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MAKING IN A COGNITO -
OCULAR FRAMEWORK
[MANAGING NEURO - DIRECTED
HUMAN RESOURCES IN
WORKPLACE]

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Abstract

Actors in the world of work are facing an increasing number of challenges, including automatization and digitalization, new types of jobs and more diverse forms of employment. Mental events, however, distributed, provide the defining problems of the social sciences. What are our basic cognitive operations? How do we use them in judgment, economic decision, action, reason, choice, persuasion, and expression? Do decision makers know what they need to know? How do decision makers choose? What are the best incentives? When is judgment reliable? Can negotiation work? How do cognitive conceptual resources depend on social and cultural location? How do certain products of cognitive and conceptual systems come to be entrenched as shared knowledge and method? This paper discusses the new scaffold of decision making in a new world of work framework with neuromanagement as its 'Fulcrum'.

Key Words: Brain Impressions, Decision Making, EEG and New World of Work.

The only way to rectify our reasoning is to make them as tangible as those of the Mathematicians so that we can find our errors at a glance, and when there are disputes among persons, we can simply say: Let us calculate, without further ado, to see who is right.

..... Leibniz

Introduction

Work has changed forever. How will AI affect businesses and employees? Entrepreneurial responsibility, in a New World of Work framework, is a vibrant process of spotting potential, taking premeditated risk, and adds value by starting and running new businesses. Art of making decisions is fundamental to what makes Entrepreneurs successful. Entrepreneurs recurrently need to make decisions quickly with scant information regarding highly unstructured decision-making situations. Successful Entrepreneurs are skilled at making important decisions in midst of uncertainty, frequently, with minimal resources. They examine competitive environments, assess market conditions, and forecast upcoming trends. Additionally, making decisions entails more than just taking risks; it requires a good eye for spotting and seizing untapped opportunities. Therefore, Entrepreneurs should have higher inclination for risk in order to make decisions.

Entrepreneurs must be quick to change course, when necessary, flexible in judgment, and committed to goals. With less information at disposal, decision-making for Entrepreneurs may be challenging. Effective Entrepreneurial decision-making serves as compass that leads Entrepreneurs through demanding process of creating and growing organizations. Causality, in a New World of Work framework, plays vital role in decision disciplines. Conversely, algorithmic decision-making decision and subsequent feedback is implicit to have a biological not just behavioural basis. This introduces a critical question; what constitutes evidence in decision sciences. This mandates holistic thinking and deep understanding since paradigm for decision control is emerging; who appreciates, expands, creates, connects and enthuse decision. This paradigm would cease conservative philosophy, understand how to engage and influence cerebral of others and help activate openness to new ideas; observe real phenomena and describe in brain - impression equations, in a back-and-forth process akin to Richard Feynman's approach to Physics in realm of human behaviour. In this, actions are transformed from results-orientation to relationship - orientation.

An expansive range of scholarly disciplines, such as Cognitive Neuroscience, Psychology, Organizational Studies and Management, seek to investigate incentive - based decision making. Each of these conducts research from relatively narrow paradigms, and with that emerges limitations attendant with pure disciplinary research. Emerging field of behavioural sciences, in a New World of Work framework, appears to offer a common language, theory and practice to better understand this behavioral dimension. First step in understanding of brain (impressions) involves objective, description and analysis of how brain works. Different behavioural disciplines investigate incentive - based human decision making from individualistic perspective and methodology. Within new field of behavioural

sciences, these approaches attempt to uncover comprehensive understanding of biological basis (and determinants) of Entrepreneurial behaviour. Such models are critical when crafting and executing strategies by Entrepreneurs and Decision Makers.

Shattering the barriers between work and life, the new World of Work connotes a new spectrum of work where Robotics, Artificial Brain potential, Machine Learning and the like dictate the nature, character and signature of work; Why we work, what we work, when we work, where we work, how we work, for Whom we work, and finally Who will work. The relevant dictating parameters are; unique strengths, interests, and values. Technology, especially AI, can be a catalyst to empower, enrich and connect. Digital transformation, remote work, and emphasis on employee well-being and re-skilling are the 'Three Pillars'. Transfusing in the broad areas of technology and innovation, diverse and inclusive labour markets, small businesses development, and education and training, Prof Jo Ann Rolle (CUNY, USA) is of the view that, 'Due to technological disruptions of the 4th industrial revolution and post - Covid transformations, technology will play central role in industry and work for 21st century.

Underserved communities represent the majority in the global economy in developed and developing countries, and they are disproportionately impacted by stride of technology through Artificial Brain potential, automation, and digitization. Without any specific interventions, this class of workers will be relegated to a 'useless class' lacking the relevant technical skills and competencies fundamental in a highly digitalized and automated world'. Jo seeks to answer four key questions (with reference to authentic voices, narratives, and trajectories): What is the future of work and entrepreneurship for the underserved communities globally? What are footprints of successful work and entrepreneurship evident in underserved communities? How will technological disruption impact underserved workforce and businesses? What needs to be done to harness gains and mitigate technological disruption in the future of work? These viewpoints underscore heterogeneity of future of work and entrepreneurship in underdeveloped, developing, and developed economies and contribute to ongoing discourses on the subject across the world. 'Transformation is a never-ending process. The future of work and entrepreneurship for underserved is a struggle for progress of humanity globally.'

'Every decision is a forecast of the future,' says Schweitzer; 2021. Schweitzer (2021) further opines, 'Every decision is a forecast of the future. 'In such a scenario, the pertinent issue is how Entrepreneurs are going to decide when engulfed in a situation of 'New Work Order' which is impacted and influenced by seen and unseen forces within environ of Artificial (Fabricated and / or Synthetic) Brain potential? Will decision making be the same as it was in the Classical / Neo – Classical era? What would be the challenges? What about the 'tsunami' of information waves ('Infoplosion' or 'Info-Tectonics')? What about the degrees of uncertainty intrinsic in complex circumstances? 'Sometimes we have to figure out when to move forward and stop collecting information. We want to make the best-informed decision, but there's a tradeoff for waiting. It's the opposite of the rush-to-solve bias. You need to determine what key information you have, what you can get, and what you can't. Don't wait longer than you have to before making the decision.

Human brain and mind is complex. Trillions of neurons fill the cranial box. These command-and-control human mind and behaviour. More complex is a peep into dynamics of human brain and mind. Connected with this is a fact that no 'deep' bio - computational judgement is optimal or complete. Bio - computational judgement is a pecking order of progression, steadied and vigorously continuous at assorted instant scale. At best one arrives at near - optimal 'deep' subject to complementarities, alternatives and substitutes. Rapid developments in Science and Technology have enabled infant scholarship of neuro-entrepreneurial management to undefined parallels between Cognitive Science and Psychology (Genomics, Proteomics, Meta-bionomics, Environmental Sciences and Clinical Research). Emerging field of neuro - management has connected essence of Management, Economics, Statistics, Medical Sciences and Psychology to transmute emerging scholarship as broad-spectrum model of human cognition. Primary goal is to comprehend inter - connected processes primarily, loops and networks that connect various stimuli, incentives and actions by unearthing neuro - entrepreneurial mechanisms on edifice of which 'deep' bio - computational judgements are prepared or engaged. It is experiential that such excavations put forward challenges to contemporary management perspectives.

Herein, emerges a new supposition; Neuro-Heterodox Management. This playground accommodates players from various teams of Management Sciences, Economics, Management, Statistics, Medical Sciences and Psychology in form of an Ubuntu. This is a diversified package of conceptual definitions which provides pluralist engagement. The new field, presented above, subscribes to Old or Classical School of Thought tenets. It offers a new brand of arguments, logic and rationale that opens door to new critical thinking - oriented World of Thought. The source of stimulation has been neuro - Entrepreneurial judgment research. The unrestrained range of scholarly disciplines seeks to investigate human 'deep' bio - computational judgement making. It is proved with multi - modal experiments that each of these conducts research from relatively narrow paradigms, and with that emerge limitations attendantwith pure disciplinary research.

The emerging field appears to offer a common language, theory and practice to understand behavioural dimension better. The first step towards comprehending brain ('complex' waves) involves objective description and analysis of how brain works ('Synchronized Cortical'). Different behavioural disciplines investigate human 'deep' bio - computational judgement making from an individualistic perspective and methodology. Within the new field, approaches try to uncover a comprehensive understanding of human behavior's

biological basis (and determinants). Such models are critical when crafting and executing strategies by management practitioners; Entrepreneurs, and 'deep' bio - computational judgement makers, to list a few.

Processes connected with cognitive and emotional architectures of human beings incorporate a spectrum of observations, comprehensions, assessments and spatial - cum - temporal aspects while contemplating 'deep' bio - computational judgement matrix. On the other hand, there often crop up conflicting problems that mandate rational 'deep' bio - computational judgements between numerous multifaceted and inconsistent or contradictory alternatives. This is loaded with quantum dosages of improbability and indistinctness, as is hallmark of VUCA (Volatility, Uncertainty, Complexity and Ambiguity). The sufficient and necessary goal now is primarily to address, based on particular set of conditions, these scenarios towards enhanced and 'rational' 'deep bio - computational judgement making. Philosophically, origins of designing rational 'deep' bio - computational judgement can be associated to tenets of 'The Wealth of Nations' by Adam Smith. This philosophy rests on an ad hoc set of Laws that explain 'deep' bio - computational judgement milieu with swings between probability and improbability (some consciously and some non-consciously) on fulcrum of 'revealed perspectives'.

The above arguments or points of views lead to study on neuro - brain wave - based response and real - time response from brain activity. The new Century challenges business, neuro - bio - computational judgement styles that have shifted more out of intellectual energy to behavioural and emotional experience of individuals. Search for meaning and authentic identity has led to increasing comprehensive demand for managing adversity and challenges for a Entrepreneur. Brain wave based response soundings serve as permanent repository of strengths and understanding strategies help in building self-confidence.

Problem Statement

Expansion of neuro-entrepreneurial management parallels development of cognitive science. Neuro-entrepreneurial management has bridged contrasting fields of management and psychology. Management, Psychology, and Neuro-entrepreneurial Science converge into a single, unified discipline with ultimate aim of providing single, general theory of human behaviour. This is the field in which consilience operates. Researchers and neuro-entrepreneurial researchers provide tools for study of mechanism. The goal was to understand processes that connect sensation and action by revealing neuro-entrepreneurial mechanisms by which judgement are made. Neuro-entrepreneurial findings pose challenge to standard management perspective. The source of inspiration has been neuroentrepreneurial judgment research (amalgamation of ideas from cognitive science and management). Neuro-entrepreneurial judgement making has emerged as an inter-disciplinary effort to bridge this gap. It integrates ideas from fields of organisational psychology, neuroentrepreneurial science and neuro-entrepreneurial management to specify accurate models of judgement making.

Emerging neuroentrepreneurial science evidence suggested that sound and rational neuro-entrepreneurial judgement making depend on prior accurate emotional processing. These occurred at multiple levels of operation. Some occurred consciously and some occurred non-consciously. The issues that cropped up were; which happened when Entrepreneurs changed minds? Which algorithms allowed sensorimotor behaviours to be observed? Which computational mechanisms allowed brain to adapt changing circumstances? How (and where) were values and probability combined in brain and what was the dynamics of this? Which neural systems tracked defined forms of utility? To which extent did utility computations generalize to judgement? How did systems that focus on immediate judgement interact? These led to this study on neuro-feedback from brain activity. This research attempts addresses research to explore neuro-feedback driven entrepreneurial judgement. In this paper, through computational approaches, attempt have been to clarify how neural soundings realize 'mental sounding' in entrepreneurial judgement. This work attempts to explore phenomena through individual action, judgement making, and reasoning processes on concept of cognitive models of judgement. Principal aim has been to elucidate principles and judgement mechanism in brain interaction between brain waves (EEG) processes. In light of discussing theories and applications of neuro-entrepreneurial science in judgement, physiological responses have been measured to understand neural activity and how brains respond to sounding presentation (Electroencephalograph) which measured changes to electrical current in brain. Computerized Tomography and Positron Emission Tomography are the sophisticated methods.

As a conclusion, experimental neurobehavioral judgement provides a fresh dataset that can aid in the creation of new theories to explain and anticipate EEG-based fluid entrepreneurial judgement making, as well as the underlying causes of behaviour and neural anomalies. By measuring neuro-transmitters in brain activity, neuro-signatures can be obtained that reveal the mechanisms utilized by these neuro-transmitters in the brain during entrepreneurial judgement making processes. This information can indicate which brain regions and neuro-transmitters are activated when an EEG-based fluid entrepreneurial judgement is prepared and how they interrelate. This perceptive can be influenced to grow a model that represent fluid entrepreneurial judgement consistent with goals.

In a new world of work framework, data-driven decision-making methods can address existing challenges. 'Our brains are best suited for certain situations. We prefer to think in causal terms, and we like predictable outcomes. We want to open doors when we know what's behind it. When we don't know, we undervalue potential outcomes. Notwithstanding considerable developments, enquiry of how Entrepreneurs make decisions, in a New World of Work framework, stays to posture significant trials for methodical explorations. Erecting a decision infers that there is an alternate choice to be factored. And in such a condition, Entrepreneurs want not only to

detect as many of these alternate choices as conceivable but select one that (1) has peak panorama of efficiency and, (2) best fits with goal line.

Rationale

As regards problem statement, two specific research questions are under consideration. One, how is 'deep' bio - computational judgement choices explored along with two, what part of brain aids 'deep' bio - computational judgement making? On scrutiny, methodological and philosophical issues appear large; what is a clear neuronal clarification? How can behavioural sciences be related to management? Are there dependable empirical methods for testing hypotheses recognized across various disciplines? Methodology offers neuro-based brain wave examination protocols via. qEEG. Methodology offers and provides for neuro - based opinions to imitate thinking of neurobiology in 'business' algorithmic research. Research considers that to realize thoughts and feelings in 'deep' bio - computational judgement behaviour, components be experimented with single trial Q (quantitative / quantifiable) EEG to demonstrate operational models. With neuro brain wave-based sounding procedure, via single trial QEEG, conductors can be used to record electrical activity via single trial QEEG). These waves afford substantiation about position and cognitive processes in central nervous system. In light of debate, theory and application in 'deep' bio - computational judgement making, physiological neuro - stimulus responses can calibrate to appreciate neural motion and how brain structures respond to sounding.

Nevertheless, examining how entrepreneurs make 'deep' bio - computational judgements stay to posture substantial trials for methodical explorations. Instituting 'deep' bio - computational judgement infers that there is a choice to be factored in. And, in such a situation, this attempts to detect switches as conceivable but selects one that (a) has ultimate panorama of yield and (b) superlatively fits with needs and routine. And, in such a milieu, how do pair of brain structures, with its waves (Alpha, Beta, Gamma, Delta and Theta), act as 'catalytic motorist' to pledge and aid 'deep' bio - computational judgement making process? Of brain waves (Alpha, Beta, Gamma, Delta and Theta), this paper experiments with profess that Alpha waves be factored as significant catalyst in guiding towards (entrepreneurial) near - optimal 'deep' bio - computational judgement scenario.

Paper efforts to deliberate characteristic schemes and landscapes for future replicative studies in a New World of Work framework. Present attempt underwrites in direction of providing outline for steering decision investigations, proposition explanation through measurements of stimulus at stretch of decision and designate typical inter disciplinary prototype for neuron-stimulus-based decision construction. There is need to offer new insights into the challenges and opportunities of the future of work, develop new theoretical frameworks or empirical methods for studying the future of work and propose new policies or interventions to address the challenges and opportunities of the future of work.

Research Issues

Commencing with physiological genesis of qEEG rhythm, Thomas F. Collura has experimented with calibrating cranial box movement (analyzed, transformed and amalgamated) as it reflects key cranial box regulatory processes. Combining 'top down' and 'bottom up' connectives, Collura describes central part of scientific principles, clinical experience and practical aspects of neuro response assessment. These databases contrast individual's qEEG pattern with group of carefully selected, normal, healthy individuals in a similar age group. qEEG description helps identify where significant differences exist between person being tested and normative group. qEEG indicates impulses, cognitive rigidity and apprehension of an individual by co-relating angst and dejection, if any.

Various theories have been purported as to what generates brain wave-based response soundings. Three primary features appear to separate those who are resilient and organizations apart from one another. Some such qualities enable one to recover from an ordeal, but accurate brain wave-based response soundings are product of three concerns (presented in next paragraph below). Primary aim was to archetype neuro - entrepreneurial neuro-feedback by using brain waves (qEEG). As regards exploration methodology, EEG conductors were used to record electrical activity of brain via. EEG (electroencephalogram). These waves afford evidence about circumstances and cognitive processes in light of debating theories and applications in bio - computational judgement making. Physiological responses have been documented to appreciate neural activity and brains respond to soundings.

Objective was to monitor undercurrents of biological 'motorists' in appreciating 'mental sounding' in entrepreneurial 'deep' bio - computational judgement making. Research issues attempted in this paper are:

- How does a entrepreneur choose via. neuro-feedback?
- Which waves from brain performs in 'deep' Bio - computational judgement making?
- How to detect and maneuver response soundings?

Derivative of cognitive (behavioural) sciences, branded as multi - fanged and multi - rational science, neuro organizational dynamics, as emerging force to reckon with, is a new paradigm in realm of entrepreneurial sciences, per se. This is reflected in emerging scientific

evidence via. Biological experimentations include entrepreneurial attitudes, temperament, tactic, judgement, viewpoint, standpoint, spot, capability mentality and heuristic plus posture. From sensitivity of organisational philosophies, fixated on thought outlines and image explanations, research tactic lies in addressing neuro - cognitive framework of entrepreneur's mind patterns, that help to overcome forces of volatility, capricious, intangible, inconsistent, fleeting, unquantifiable, uncertainty, hesitation, dubiety, wariness, scepticism, suspicion, complexity, complication, intricacy, ramification, convolution, elaboration, entanglement, involvement, multiplicity, not clearly understandable and ambiguity

1. How do entrepreneurs craft decisions?
2. What parts of brain aid Entrepreneurial decision?
3. What brain - impressions depict in cycle of entrepreneurial decisions?

Aim and Objective(s)

Through brain's impressions (Alpha, Beta, Gamma, Delta and Theta) illustration, paper highlights potential cause - effect linkage between biology and management sciences in explaining how to decipher judgement dynamics. Attempt is made to explore nature of causality and employ empirical (cognitive and neurological) approach (es) to neuro-management' data. This is towards revealing neural paths in decision making. Purpose is to exhibit empirical mosaics in 'neuro - trajectory shifts(s)' of incentive - based decision circuit'. Primary aim is to archetype neuro-feedback by using brain impressions. This integrates behavioural science and psychology of management modeling tactic. Objective is to monitor undercurrents of neurobiological 'motorists' in Entrepreneurial decision making. Effort is to explicate how neural investigations appreciate 'mental tectonic shifts' in New World of Work framework.

Methodology

Decision-making, as a critical cognitive activity (that involves innumerable brain regions and cognitive aspects), puts heavy burden on brain as it is strongly linked to Entrepreneurs success or failure. It is observed that different types of decision-making involve different but specific brain regions. While examining neurological perspective of decision making, it is remarked that neurons and blood oxygen levels are highlighted as pivotal factors in decision-making process. Many studies employ brain mapping techniques to elucidate underlying mechanisms of decision making. Two specific research questions are pursued. Firstly, how a decision choice is explored and secondly, what part of brain aids decision making? On closer scrutiny, methodological and philosophical issues loom large: What is a powerful neuronal explanation? How can behavioural sciences be integrated with management? Are there reliable empirical methods for testing hypotheses recognized across various disciplines?

In a New World of Work framework, how to build interpretable models that aid decision? How to ensure that models and explanations are robust to adversarial attacks? How to train and evaluate models in presence of missing counterfactuals? How to detect and correct biases in decisions? Methodology includes neuro - based opinion to imitate thinking of neurobiology in 'Entrepreneurial' algorithmic research. To realize thoughts and feelings in decision behaviour, and whether or not these can be quantified, paper observes thoughts, feelings, and decisions as behaviour components, using EEG (Electro - Encephalo - Graph) to demonstrate operational models. Methodology includes neuro-based brain impression examination protocols via EEG. With neurofeedback procedure via EEG, conductors were used to record electrical activity of brain via EEG. EEG impressions afford evidence about circumstances and cognitive processes in central nervous system (CNS). A single subject was preferred for experimentation. In light of debate, theory and application in decision making, physiological neuro-stimulus responses were calibrated to appreciate neural motion and how brain structures respond to sounding. Of brain impressions (Alpha, Beta, Gamma, Delta and Theta), Alpha and Gamma impressions need been factored as catalyst in guiding towards near optimal decision scenario.

Methodology planned was to elucidate principles and wave brain potential mechanism in brain. Principal aim was to model neuro - entrepreneurial brain potential by using tools from brain waves (Electroencephalograph). This aimed at, first, incorporating neuro-entrepreneurial science and neuro - psycho modeling approach. And, second, irrigate knowledge of evidences for multiple systems involved in wave brain potential - making. Objective was to monitor dynamics of brain wave drivers in understanding entrepreneurial behaviour and preference making. This paper proposed 'chess - board dynamic quadrant matrix' with ideas (a) that frogspawn patterns of heretical appraisal and, (b) link methodological differences. Through computational approaches, attempt was to clarify how neural investigations realize 'mental stimuli' in entrepreneurial wave brain potential making. Focal point was to understand neural processes underlying how entrepreneurs craft wave brain potential, understand mechanisms of wave brain potential and integrate inter - disciplinary research.

Two specific research questions were pursued. First, how is 'deep' bio - computational judgement choices explored and secondly, what part of brain aids 'deep' bio - computational judgement? On scrutiny, methodological and philosophical issues loom large: What is a powerful neuronal explanation? How can waves tally with management as regards occurrence, pinnacle, outline and position? Are there reliable empirical methods for testing hypotheses recognized across various disciplines? Methodology includes neuro-based

opinions to imitate thinking of neurobiology in 'business' algorithmic framework. It was believed that to realize thoughts and feelings in behaviour, and whether or not we can measure them, we can observe reviews, feelings, and 'deep' bio - computational judgements as behaviour components using qEEG (q - electro - Encephalo - Graph) to demonstrate operational models.

The approach adopted is mix of theoretical and experimental. It depicts relevant aspects of business theories and applications of neuro-entrepreneurial science in fluid brain potential. Attempt is to observe neuro -based techniques to study brain. On contemporary level, physiological responses have been measured by observing neural activity viz. Alpha Waves, and how brains respond to stimulus presentation. With fluid brain potential procedure, via EEG, conductors were used to record electrical activity of brain. These waves offer evidence about circumstances and cognitive processes in fluid brain potential. In light of debating theories and applications in bio - computational judgement making, physiological fluid brain potential responses have been measured to appreciate neural activity and how brains respond to sounding. Neuro -based feedback presents itself as effective and scientifically based method of treatment. With neuro-based feedback methodology via EEG, electrodes were attached to skull to record electrical activity. At the same time, it was certain that these wave patterns would alter depending on mental and physical condition. Method thus comprised of amplifying targeted behaviour which corresponded to favourable composition of brainwaves.

As regards population and sample size, it was estimated that a population of 15 respondents would be a fair populace and subjecting respondents to clinical test could lead to fair results. qEEG conductors were fixed on scalp to portion electrical activity of brain with a view to trace and calibrate impulses (active brain potential linking cognizant to subliminal) owing to electrical inducement. Comeback values were experimented at 256 Hz (3.9-msec epoch) for 01 second. Subjects were experimented with either single stimulus (S1) or to two stimuli (S1 and S2). When two stimuli were exposed, they were accessible in either a harmonized form where S1 was identical to S2 or in a non-matched condition where S1 differed from S2. In light of 'deep' bio - computational judgement making, physiological neuro-stimulus responses were calibrated to appreciate neural motion and how brain structures respond to brain wave-based response sounding. Of brain waves (Alpha, Beta, Gamma, Delta and Theta), Alpha waves have been factored as 'Catalyst' in guiding towards near-optimal 'deep' bio - computational judgement scenarios. Alpha waves reflected degrees of information absorption and retention as well as emotion management in 'deep' bio - computational judgement management.

As evinced above, the experimental effort to deliberate on characteristic schemes and landscapes for future replicative studies. The present attempt underwrites in direction of providing an outline for steering 'deep' computational judgement investigations, proposition explanation through stimulus measurements at a 'deep' computational judgement stretch, and designating typical interdisciplinary prototype for neuron-stimulus-based 'deep' bio - computational judgement construction. Through neuro - computational stratagem (Alpha Wave analysis), attempts have been undertaken to observe neural soundings ('mental sounding') in (entrepreneurial) 'deep' bio - computational judgement making. These attempts (Alpha Wave analysis) are undertaken to explore singularities through action, 'deep' bio - computational judgement making and reasoning processes to model (neuro-entrepreneurial) basis of judgement making. In luminosity of estimation theories and application of neuro - entrepreneurial science in 'deep' bio - computational judgement making (Alpha Wave analysis), it is important to observe what neuro-based psycho- techniques can be used to study brain (Alpha Wave analysis).

Experiments

EEG - oriented fluid brain potential is discrete from other types of brain potential, such as EEG - oriented crystallized Brain potential, which is experiential to ability to use acquired knowledge and experience to solve problems. While EEG - oriented crystallized brain potential involves application of previously learned information, EEG - oriented fluid Brain potential involves ability to learn and apply new information quickly and effectively. Therefore, EEG - oriented fluid brain potential is seen as measure of cognitive flexibility and adaptability. While EEG - oriented crystallized brain potential is measure of acquired knowledge and expertise. EEG - oriented fluid Brain potential is observed to ability to solve novel problems, reason abstractly and adapt to new situations. It is observed as ability to think logically and solve problems in complex, unfamiliar situations without relying on pre-existing knowledge or experience.

Research has revealed that fluid brain potential is not fixed and can be improved through various interventions, including cognitive training programs and physical exercise. Additionally, some studies have suggested that certain types of experiences, such as musical training or exposure to second language, may enhance fluid brain potential. While exact neural mechanisms underlying fluid brain potential are still not fully understood, research suggests that it may involve complex interactions between different brain regions and neural networks.

Fluid brain potential (Gf) is fundamental aspect of cognitive abilities, involving reasoning, problem-solving, and abstract thinking abilities, which is essential for adapting to novel or complex situations. Concept of fluid brain potential has been widely studied in fields of Psychology, Neuroscience, and Cognitive Science, with research indicating that Gf has significant implications for various aspects of life, including academic and occupational success, and general mental health. Recent research has examined neuro-biological underpinnings of Gf, with studies indicating that Gf is associated to distributed neural network, including Pre-Frontal, Parietal, and Temporal Cortices. These brain regions are involved in attention control, working memory and cognitive flexibility, which are key components of fluid brain potential. Research has demonstrated that Gf is not a fixed trait but can be improved through various interventions.

One prominent theory of fluid brain potential is neural efficiency hypothesis. This suggests that individuals with higher fluid brain potential are efficient in their use of neural resources, allowing them to perform complex cognitive tasks with less effort. This hypothesis is supported by neuroimaging studies that have found that individuals with higher fluid brain potential have greater activation in regions of brain involved in working memory and attention control, such as dorsolateral pre-frontal cortex. Supplementary studies have investigated role of genetics in fluid brain potential. For instance, studies have suggested that genetic factors account for substantial portion of individual differences in fluid brain potential. Recently, Genome -Wide Association Studies (GWAS) have identified specific genetic variants associated with fluid brain potential. These findings have important implications for development of interventions aimed at enhancing fluid brain potential.

Research has examined effects of various interventions on fluid brain potential. One approach that has received considerable attention is cognitive training, which involves engaging in exercises designed to improve cognitive abilities. Several studies have found that cognitive training (can) lead to improvements in fluid brain potential. However, effects of cognitive training are limited, with some studies suggesting that gains in fluid brain potential may not generalize to other domains. In addition to cognitive training, other interventions that have been studied include physical exercise and mindfulness meditation. Physical exercise is associated with improvements in cognitive functioning, including fluid brain potential. Similarly, mindfulness meditation has been observed to improve cognitive control and attention functioning, which are important components of fluid brain potential.

Overall, study of fluid brain potential has led to important insights into nature of cognitive abilities and their neural basis. While much progress has been made in understanding factors that contribute to individual differences in fluid brain potential, much remains to be learned about how it can be improved and how it relates to other aspects of cognitive functioning. Study of fluid brain potential continues to be an active and exciting area of research, with implications for wide range of domains, from training to development of interventions aimed at enhancing cognitive abilities.

Fp1 P8	Fp2 FzCzPz	F3 Oz	F4 FC1	C3 FC2	C4 FC2	P3 CP1	P4 CP2	O1 FC5	O2 FC6	F7 CP5	F8 CP6	T7 TP9	T8 TP10	P7					
0.494740	78.668716	42.221447	34.008308	38.997314	68.533890	52.374413	25.338448	10.446033	20.912264	14.872568	-9.874845	42.804832	57.625202	15.573313	22.241928	82.460449	19.039169	31.810369	24.485403
19.624922	25.366356	27.825472	46.824337	6.715289	30.278799	54.178055	32.204098	-1.123037	74.120766	19.254108	447.693512								
1.185774	78.022102	42.863033	32.742432	38.556702	65.518097	51.662209	25.948124	9.793940	20.311308	14.898472	-10.074430	42.299274	57.571117	14.928022	22.976326	81.082039	18.704649	31.543839	24.063801
18.903944	24.655975	29.138168	46.182903	6.603292	30.179001	53.937092	31.520462	-2.210671	72.487000	18.466637	380.760925								
1.951442	77.255669	41.489441	32.354126	36.010216	62.417404	48.368088	26.074074	7.705141	18.648136	12.369221	-9.160006	40.167091	56.955681	12.597404	22.598274	78.221344	18.211494	29.873501	22.689178
17.718489	27.637375	30.053316	44.489456	6.679369	31.437580	51.797451	29.723640	-4.925619	70.369667	15.282494	305.440521								
2.868619	75.968567	38.468651	32.262623	32.267406	58.999271	43.096725	25.894619	4.515658	16.093512	8.422183	-7.330776	36.951256	55.836300	9.039550	21.400042	73.960602	17.797592	27.127733	20.513184
16.143190	32.603569	30.905420	41.913467	7.039516	33.454151	48.391350	26.612640	-8.678454	67.875343	10.579178	240.944916								
3.870058	75.093353	34.810177	31.985067	28.445379	55.422699	37.469330	26.276611	1.190012	13.480534	4.553146	-5.165158	33.399475	54.533871	5.314291	20.275066	68.930130	17.651297	24.448000	18.342981
14.287928	38.118771	32.378365	38.962105	7.600087	35.646145	44.782322	23.140547	-12.705060	65.196907	5.597749	195.852371								
Fp1 P8	Fp2 FzCzPz	F3 Oz	F4 FC1	C3 FC2	C4 FC2	P3 CP1	P4 CP2	O1 FC5	O2 FC6	F7 CP5	F8 CP6	T7 TP9	T8 TP10	P7					
4.578223	75.499550	31.285381	31.577572	25.121424	52.464699	32.840073	27.645863	-1.373564	11.663512	1.363444	-3.224467	29.998873	53.466446	2.275204	19.806797	64.029610	17.754038	22.727448	16.971361
12.406290	43.629242	34.511593	36.233177	8.115172	37.712658	41.637775	20.572273	-16.466936	62.794594	1.268594	169.025070								

4.983148	76.605011	28.691296	30.925444	23.131401	50.288960	30.290358	29.795631	-2.597496	11.031319	-				
0.185500	-1.881635	27.511997	52.956539	0.573310	20.237822	60.067017	18.096676	22.332222	16.708832					
10.841809	47.539379	37.071674	34.241753	8.492299	39.030468	39.706657	19.233198	-19.221916	61.064564	-				
1.285809	158.780182													
5.210838	77.371780	27.294416	29.944803	22.773258	48.567623	29.941061	32.252533	-2.501643	11.446606					
0.226557	-1.228798	26.263569	53.022034	0.238456	21.463892	57.197205	18.641703	23.029045	17.384817					
9.746260	48.812645	39.795166	33.121998	8.717505	39.312004	39.188152	18.790092	-20.725601	60.072601	-				
1.678450	157.453430													
5.188944	77.787613	26.825626	29.049805	23.322847	47.357903	31.095760	34.632435	-1.507086	12.593598					
1.582651	-1.171172	25.845135	53.468739	0.783994	23.103710	55.365414	19.194757	24.363077	18.691963					
9.087433	48.541946	42.272114	32.714375	8.718682	39.044643	39.525173	19.201227	-21.409348	59.698387	-				
0.679667	155.537079													
4.819240	78.254135	26.847298	28.756365	23.818926	46.909142	32.781708	36.588276	-0.180432	14.061990					
2.540124	-1.503779	25.672562	54.010002	1.585689	24.641394	54.501419	19.537003	25.823038	20.239769					
8.781864	48.431591	44.046482	32.746841	8.471877	38.912617	39.977833	20.433971	-21.816692	59.775604					
0.592202	147.998932													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	FC5	FC6	CP5	CP6	TP9	TP10		
						POz								
4.079046	78.386429	26.814493	29.069921	23.742306	46.979958	33.893002	37.701576	0.848927	15.287666					
2.329619	-2.017828	25.282644	54.351475	1.983972	25.604691	54.142426	19.613594	26.792057	21.492037					
8.694643	48.907768	44.872997	32.862988	8.033916	39.144127	39.958481	21.870827	-22.350704	60.069309					
1.325660	136.302490													
3.014018	77.707451	26.269709	29.788208	22.916073	47.273167	33.503613	37.630531	1.058425	15.753387					
0.672532	-2.463744	24.405569	54.275497	1.462360	25.594841	53.745663	19.492435	26.739504	21.958530					
8.702619	49.796333	44.646343	32.757881	7.515425	39.719727	39.094143	22.758251	-23.238029	60.376022					
1.016298	126.492157													
1.692069	76.462418	25.442713	30.723078	21.742043	48.027466	31.944950	36.422493	0.622700	15.552906	-				
1.862689	-2.812793	23.337469	53.983391	0.301389	24.647152	53.633747	19.235920	25.871229	21.712021					
8.898592	50.576183	43.329216	32.575764	6.981539	40.271374	37.709217	23.129742	-24.113834	60.826702	-				
0.017353	128.954971													
0.315878	75.332756	24.932333	31.718908	20.860292	49.598145	30.248594	34.476486	0.065836	15.099194	-				
4.265741	-3.119225	22.670723	53.795700	-0.798513	23.104727	54.408150	18.910961	24.784653	21.136044					
9.428038	50.763439	41.116665	32.659618	6.507159	40.417419	36.498707	23.409595	-24.375626	61.621181	-				
1.037558	147.878815													
-0.973765	74.761368	24.750359	32.798096	20.327124	51.875061	28.672123	32.225906	-0.479956	14.546859	-				
6.203957	-3.288828	22.392113	53.788067	-1.705025	21.225536	55.895058	18.646614	23.706341	20.414606					
10.176734	50.612320	38.377960	33.000145	6.121232	40.222080	35.561069	23.683304	-24.137114	62.632988	-				
1.986721	183.193192													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	FC5	FC6	CP5	CP6	TP9	TP10		
						POz								
-1.892648	74.624718	24.949009	33.793674	20.334574	54.324577	27.580719	30.079536	-0.881910	14.009284	-				
7.136417	-3.324366	22.5												
95779	53.975746	-2.236784	19.398327	57.771271	18.564795	22.840799	19.690474	11.014003	49.910233					
35.647781	33.575439	5.873435	39.637123	35.114639	23.814636	-23.425926	63.672909	-2.588997	231.334641					

-2.122417	74.284180	25.505447	34.493904	20.974775	56.315899	27.195610	28.159691	-1.144147	13.445266	-				
6.761113	-3.228891	23.397388	54.288170	-2.278572	17.867046	59.741749	18.708208	22.186562	18.936335	-				
11.860946	48.462700	33.278854	34.314980	5.847667	38.654675	35.302116	23.427845	-22.207703	64.596466	-				
2.566833	287.912201													
-1.541010	73.330978	26.099707	34.691902	21.938383	57.168846	27.239145	26.626125	-1.480564	12.706089	-				
5.394760	-3.022912	24.523344	54.499054	-2.010307	16.819349	61.180317	19.052708	21.601156	18.045610	-				
12.501609	46.622246	31.687775	34.950401	6.072904	37.558918	35.898907	22.206604	-20.811356	65.116623	-				
2.127048	345.345795													
-0.363508	72.316391	26.265636	34.327118	22.556158	56.502945	27.132982	25.931602	-2.117795	11.766184	-				
3.927217	-2.824398	25.295086	54.305378	-1.799957	16.503023	61.293903	19.516350	21.076910	17.064732	-				
12.586907	45.467854	31.423126	35.125214	6.451548	36.948498	36.385067	20.370543	-19.930243	64.853249	-				
1.981148	391.264435													
1.069940	72.064125	25.912819	33.558762	22.461275	54.626904	26.708107	26.299629	-3.015628	10.796105	-				
3.018076	-2.770346	25.380705	53.615959	-1.754720	17.005512	60.011459	19.956829	20.760115	16.181856	-				
12.028805	45.775520	32.580704	34.771542	6.862823	37.196671	36.520042	18.523649	-19.853378	63.784187	-				
2.504021	415.287231													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	FC5	FC6	CP5	CP6	TP9	TP10		
						POz								
2.595386	72.494247	25.393532	32.519016	21.962738	52.147678	26.265995	27.288200	-3.979709	9.903395	-				
2.531659	-2.884573	25.155121	52.604252	-1.662751	18.048828	58.016727	20.247969	20.667677	15.440948	-				
11.130278	47.035709	34.620903	34.117271	7.292065	38.036167	36.544422	16.954590	-20.119068	62.323338	-				
3.332764	415.326172													
4.109654	73.118538	25.062014	31.265121	21.495493	49.511002	26.016609	28.339577	-4.884050	9.080706	-				
2.116682	-3.131698	25.036308	51.487423	-1.391722	19.230272	55.999310	20.332645	20.707514	14.770157	-				
10.221922	48.315296	36.922798	33.358555	7.748621	38.980595	36.699913	15.686801	-20.224688	60.870022	-				
4.071920	393.784973													
5.419655	74.158241	25.102394	30.007683	21.129505	47.170914	25.992056	29.290462	-5.645053	8.393452	-				
1.752722	-3.462301	25.072847	50.455570	-0.954013	20.274195	54.431198	20.175667	20.904148	14.212030	-				
9.462200	49.526997	39.106628	32.567505	8.173322	39.843937	36.966278	15.021419	-20.072271	59.625633	-				
4.778026	353.404358													
6.413690	75.804482	25.640766	29.009785	20.877384	45.565872	26.254642	30.034859	-6.192765	7.898550	-				
1.418253	-3.806008	25.307993	49.673626	-0.331388	20.942020	53.741535	19.764843	21.281410	13.802471	-				
8.992494	50.781555	40.837502	31.815582	8.534952	40.511292	37.317825	15.178855	-19.571728	58.770351	-				
5.496985	300.806458													
7.167692	77.215370	26.601477	28.317217	20.909840	44.645630	26.659782	30.245745	-6.633806	7.409055	-				
0.849033	-4.058534	25.848240	49.200832	0.388709	20.971872	53.997200	19.185574	21.592899	13.333695	-				
8.920172	51.480289	41.831818	31.093449	8.893193	40.681004	37.752827	15.664515	-18.582085	58.401798	-				
6.074999	247.399536													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	FC5	FC6	CP5	CP6	TP9	TP10		
						POz								
7.732203	77.647812	27.621469	27.906197	21.192476	44.070690	26.784109	29.852942	-7.181352	6.704590	-				
0.008405	-4.162267	26.504951	48.944405	0.936239	20.304775	54.752712	18.589081	21.569540	12.603408	-				
9.148279	51.247681	42.132172	30.275757	9.279694	40.264431	38.086834	15.872406	-17.308994	58.377129	-				
6.590622	202.450500													
8.015144	77.603683	28.389988	28.023470	21.386772	43.984421	26.402456	29.184025	-7.874230	5.849982	-				
0.829894	-4.139405	26.932516	48.821030	1.165337	19.110119	55.700596	18.063572	21.245871	11.706703	-				

9.514298	50.771637	41.894451	29.368925	9.629484	39.601116	38.085266	15.894291	-16.150051	58.533871	-				
7.353794	170.473984													
8.000885	77.656807	28.879017	28.983612	21.338970	44.852974	25.703342	28.389505	-8.577680	5.021128					
1.466163	-4.007144	27.124077	48.862976	1.198351	17.526096	57.000519	17.636532	20.737089	10.810213					
10.029860	50.657761	41.016056	28.618933	9.896299	38.961376	37.778496	15.987823	-15.175830	58.923885	-				
8.342884	155.957764													
7.833954	77.511711	29.133745	30.713005	21.214714	46.675201	24.936792	27.366922	-9.191753	4.262523					
2.122410	-3.775050	27.308386	49.107891	1.178620	15.668101	58.696671	17.377026	20.023176	9.938537					
10.751151	50.604649	39.411278	28.270691	10.088003	38.292976	37.368992	15.977170	-14.250446	59.608280	-				
9.200296	163.421875													
7.612530	77.133698	29.180107	32.868980	21.107767	49.098797	24.317995	26.328497	-9.595249	3.693925					
2.877670	-3.521677	27.533682	49.537594	1.173635	13.863310	60.545219	17.367548	19.246399	9.228142					
11.578121	50.449986	37.373856	28.439093	10.169531	37.614174	36.989769	15.834776	-13.449301	60.461491	-				
9.717308	191.528351													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	FC5	FC6	CP5	CP6	TP9	TP10		
						POz								
7.361510	77.036942	29.167233	35.095139	20.991505	51.840263	24.203667	25.748009	-9.564318	3.589041					
3.609636	-3.379711	27.771338	50.134506	1.313247	12.546641	62.401039	17.629654	18.774210	8.982443					
12.371632	50.541534	35.355743	29.199625	10.073549	37.093338	36.753864	15.919197	-12.908899	61.327427	-				
9.798346	233.846283													
7.198029	76.809860	29.196774	36.797665	21.000553	54.295189	24.750690	25.734774	-9.050888	3.969210					
4.342605	-3.408746	28.116928	50.841133	1.644381	11.929029	64.004639	18.171358	18.693581	9.240076					
13.054032	50.563820	33.697193	30.489166	9.826133	36.646900	36.779488	16.071547	-12.591978	62.088139	-				
9.199545	284.933075													
7.216817	75.258743	29.030930	37.210136	21.225737	55.402657	25.462029	26.167471	-8.361156	4.496406					
5.049126	-3.595473	28.442785	51.451569	1.859902	12.012527	64.563873	19.030123	18.712276	9.702228					
13.444455	49.671490	32.798454	31.919062	9.515594	36.055576	36.925659	15.521016	-12.626139	62.469246	-				
7.913027	339.836731													
7.256934	72.458679	28.379549	36.095062	21.372118	54.655464	25.728857	27.253857	-7.771964	4.997410					
5.300062	-3.966330	28.283512	51.747475	1.616973	12.835582	63.407078	20.147655	18.738972	10.253612					
13.283685	48.100552	33.107826	33.021790	9.145384	35.497547	36.825470	14.171601	-13.416041	62.162045	-				
6.454981	389.696594													
7.056296	69.756210	27.341259	34.011246	21.102673	52.661137	25.523052	29.207499	-7.248737	5.629126					
4.717736	-4.544933	27.397696	51.737137	0.968979	14.359065	60.824909	21.305353	18.992233	11.058382					
12.551912	46.940945	34.627949	33.641521	8.666887	35.350002	36.318806	12.825955	-15.089458	61.208424	-				
5.329046	424.973022													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	FC5	FC6	CP5	CP6	TP9	TP10		
						POz								
6.532321	67.606285	26.190954	31.649126	20.509987	50.216049	24.992878	31.552612	-6.783051	6.358045					
3.511422	-5.254712	26.025986	51.581818	0.132458	16.203178	57.617039	22.277214	19.409199	12.023174					
11.519270	46.279373	36.764858	33.821278	8.119936	35.547226	35.536125	11.856812	-17.250313	59.958164	-				
4.597155	442.678009													
5.724404	65.348663	24.987381	29.466366	19.831358	47.617920	23.953033	33.394863	-6.611169	6.832778					
2.075649	-5.941672	24.439962	51.394569	-0.888633	17.820116	54.307274	22.913849	19.543018	12.732246					
10.456199	45.360443	38.791542	33.508926	7.595320	35.757706	34.553452	10.924793	-19.493662	58.708515	-				
4.247084	445.510620													

4.577116	63.075710	23.699362	27.973143	18.982504	45.285294	22.303444	34.243767	-6.861710	6.916783					
0.359143	-6.490208	22.668392	51.256561	-2.098851	18.879810	51.353508	23.071228	19.190636	13.010574					
9.514938	44.406853	40.194798	32.666935	7.106862	36.009892	33.303116	10.113373	-21.696175	57.672981	-				
4.501575	437.739075													
3.029780	61.745125	22.443100	27.666809	17.778574	43.920567	20.395769	34.107719	-7.364301	6.831185	-				
1.901329	-6.873816	20.762268	51.229343	-3.291180	19.339073	49.363434	22.639130	18.581623	13.049364					
8.817411	44.466385	40.705208	31.452168	6.622724	36.607212	31.826126	10.058565	-23.740229	57.091003	-				
5.500578	425.446411													
1.198067	61.565170	21.309729	28.527405	16.378628	43.719109	18.656025	33.097763	-7.893850	6.775635	-				
4.599597	-7.089723	18.946836	51.285423	-4.267879	19.312567	48.525566	21.699875	17.940968	13.030915					
8.431742	45.699978	40.353901	30.090624	6.167732	37.594357	30.349247	10.918875	-25.412209	57.111069	-				
6.955753	417.179169													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	POz	FC5	FC6	CP5	CP6	TP9	TP10	
-0.643319	61.949715	20.300484	30.040974	15.211418	44.294407	17.369467	31.403687	-8.290340	6.818749	-				
7.263593	-7.133961	17.520958	51.307945	-4.946675	18.999023	48.490379	20.526196	17.372728	13.029991					
8.335712	47.327408	39.469994	28.790632	5.817545	38.740177	29.173153	12.279155	-26.506870	57.708138	-				
8.315687	421.367126													
-2.205996	62.822540	19.619965	31.832411	14.641657	45.571228	17.039156	29.426123	-8.265733	7.168375	-				
9.423496	-7.031353	16.838776	51.266930	-5.110445	18.634706	49.186028	19.377962	17.156101	13.257425					
8.550898	48.964691	38.345062	27.901466	5.620989	39.875420	28.656836	14.026358	-26.775772	58.876129	-				
9.025700	443.756866													
-3.193810	64.654877	19.689165	33.811478	14.871956	47.797443	18.296465	27.651745	-7.500782	8.083240	-				
10.648636	-6.806283	17.265408	51.250900	-4.431274	18.390783	50.924362	18.421671	17.653629	13.968826					
9.160357	50.759922	37.122486	27.826107	5.599198	40.922222	29.143629	16.376637	-25.950785	60.621025	-				
8.695486	485.973938													
-3.399355	67.502815	20.737888	35.809376	15.954602	50.784775	21.245996	26.456795	-5.958822	9.564891	-				
10.586014	-6.499134	18.871799	51.337730	-2.876819	18.362417	53.673031	17.795792	18.954977	15.190512					
10.123273	52.526588	35.985928	28.704260	5.735162	41.716648	30.706570	19.235979	-24.068291	62.718090	-				
7.274815	543.860779													
-2.750694	70.789482	22.691465	37.513172	17.803747	53.834244	25.404343	25.981037	-3.917768	11.326716	-				
9.035847	-6.150273	21.412334	51.569839	-0.735341	18.558739	56.969528	17.598190	20.812820	16.684322					
11.269365	53.660118	35.142666	30.348888	5.986982	42.014557	33.121899	22.100925	-21.471592	64.755623	-				
5.018142	608.137695													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	POz	FC5	FC6	CP5	CP6	TP9	TP10	
-1.283890	73.640213	25.338104	38.657261	20.201454	56.240490	30.086992	26.073013	-1.789186	12.962237	-				
6.071983	-5.776091	24.552158	51.973194	1.633129	18.842258	60.388092	17.810930	22.801855	18.079884					
12.457855	53.663883	34.614838	32.418293	6.327367	41.626877	36.025486	24.369511	-18.520555	66.397675	-				
2.288303	668.497803													
0.782614	75.265259	28.213499	39.037785	22.708429	57.408558	34.382301	26.481005	-0.070108	14.044216	-				
2.220958	-5.368518	27.757717	52.483963	3.773726	19.031351	63.360142	18.336618	24.415592	18.987423					
13.504848	52.481213	34.394321	34.419067	6.729422	40.601112	38.859962	25.494186	-15.711239	67.362206					
0.371782	715.298889													
2.986097	75.515701	30.563732	38.494465	24.647146	56.874928	37.164173	27.223385	0.755249	14.275373					
1.521886	-4.962723	30.174761	52.864578	5.093989	19.098568	64.927536	19.077778	25.258654	19.176081					

14.067004	50.623466	34.749096	35.751335	7.112825	39.344597	40.867519	25.242683	-13.845174	67.306908					
2.141197	738.478088													
4.833272	75.011993	31.844654	37.136662	25.505585	54.783058	37.831902	28.479952	0.539666	13.696412					
4.268476	-4.625423	31.182226	52.903522	5.296470	19.138006	64.513786	19.925743	25.284052	18.726030					
13.912733	48.913105	35.918781	36.084843	7.391884	38.382351	41.569035	23.939280	-13.470746	66.135757					
2.458398	730.458313													
6.078582	74.337242	32.090622	35.335751	25.370396	51.973312	36.783188	30.153341	-0.410335	12.635152					
5.821218	-4.405735	30.949253	52.600986	4.674033	19.175760	62.556618	20.762211	24.731535	17.915905					
13.208229	47.740238	37.673122	35.611019	7.569347	37.924564	41.155243	22.151636	-14.302765	64.272102					
1.609705	691.898926													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	FC5	FC6	CP5	CP6	TP9	TP10		
						POz								
6.764341	73.596863	31.645815	33.431980	24.702866	49.279003	34.821754	31.906660	-1.678576	11.401108					
6.497812	-4.298031	30.084257	52.058243	3.724919	19.140537	59.930801	21.510303	23.862570	16.967482					
12.305578	46.945480	39.549347	34.729919	7.728416	37.854897	40.158119	20.229086	-15.619866	62.297024					
0.304621	630.765076													
7.002471	72.984390	30.817705	31.725910	23.795584	47.182884	32.560978	33.567039	-2.963872	10.229070					
6.521705	-4.251819	28.992146	51.359009	2.754358	19.018505	57.286095	22.119804	22.908670	16.063438					
11.421494	46.586288	41.259136	33.720436	7.921812	38.128239	38.955227	18.454033	-16.993607	60.544495	-				
1.035514	556.235535													
6.918663	72.823975	29.907610	30.527384	22.757053	45.969765	30.521250	35.065777	-4.025953	9.336246					
5.978820	-4.198714	27.918137	50.619549	1.964232	18.841230	55.133850	22.524216	22.092789	15.391421					
10.690611	47.019844	42.617439	32.780773	8.147532	38.786095	37.784714	17.176123	-18.221218	59.204739	-				
2.212550	478.440979													
6.723886	72.820786	29.213417	29.957621	21.803062	45.636639	29.147545	36.153320	-4.706306	8.808792					
5.101393	-4.054558	27.171255	49.991791	1.508069	18.572981	53.898270	22.683231	21.503094	15.003434					
10.268214	48.143330	43.395390	32.065926	8.424969	39.651062	36.897049	16.408123	-19.033205	58.451729	-				
2.917400	410.242615													
6.556645	72.338913	28.790375	29.897972	21.094305	45.788544	28.493965	36.633308	-5.011849	8.591742					
4.072618	-3.768152	26.829681	49.554028	1.311541	18.217140	53.502102	22.633511	21.080639	14.840786					
10.166514	49.509144	43.570938	31.563049	8.746991	40.483574	36.355648	15.869617	-19.406420	58.270771	-				
2.999794	362.397491													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	FC5	FC6	CP5	CP6	TP9	TP10		
						POz								
6.358464	71.490372	28.503027	30.273659	20.535614	46.143543	28.373245	36.648815	-4.980193	8.702121					
2.803647	-3.355727	26.653740	49.312134	1.173605	17.905624	53.571220	22.424068	20.843876	14.952105					
10.241624	51.103485	43.358498	31.202656	9.018505	41.294502	36.013485	15.608787	-19.654905	58.492226	-				
2.686249	339.097076													
6.029678	70.840233	28.298037	31.161053	20.041382	46.889366	28.714336	36.333916	-4.583081	9.213030					
1.240576	-2.848746	26.519962	49.303467	1.028458	17.688900	54.065361	22.067181	20.855762	15.421638					
10.447517	53.052826	42.774719	31.080168	9.146708	42.137096	35.804234	15.918625	-19.935978	59.073006	-				
2.194780	341.277954													
5.583035	70.411087	28.190832	32.504272	19.758528	48.215313	29.475550	35.560829	-3.847624	10.046148	-				
0.358266	-2.259179	26.564087	49.572365	0.902533	17.454140	55.136742	21.595276	21.013250	16.155531					
10.860314	54.862915	41.621208	31.365841	9.126301	42.832462	35.815689	16.747459	-20.109840	60.064632	-				
1.485412	369.133209													

5.068776	70.147400	28.125023	34.065941	19.770130	50.007385	30.424501	34.359116	-2.914708	11.024311	-				
1.723281	-1.615627	26.795242	50.108139	0.734919	17.155050	56.667568	21.073996	21.173948	16.987869					
11.442167	55.986908	39.918858	32.091499	8.972780	43.199242	36.048866	17.859550	-20.172720	61.326668	-				
0.641287	417.534790													
4.535350	70.565910	28.100855	35.645618	19.940449	52.116566	31.332706	33.097507	-1.926754	12.035889	-				
2.764976	-0.968824	27.062267	50.869965	0.482548	16.878569	58.456421	20.535788	21.350286	17.846697					
12.044574	56.523018	37.944538	33.176884	8.693032	43.279366	36.412319	19.253956	-20.291149	62.558765					
0.025681	475.037903													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	POz	FC5	FC6	CP5	CP6	TP9	TP10	
4.180288	71.667618	28.239670	36.995552	20.221367	54.223648	32.052223	31.956476	-1.077156	12.865209	-				
3.278932	-0.305002	27.384281	51.814705	0.181147	16.609934	60.344021	19.994293	21.459208	18.542879					
12.585976	56.449951	35.927086	34.463726	8.379987	43.036484	36.887325	20.651226	-20.444307	63.506393					
0.395424	530.499939													
4.293339	72.327400	28.522350	37.652737	20.687342	55.493408	32.182938	30.785234	-0.750947	13.051323	-				
2.981371	0.482649	27.804756	52.827660	-0.280014	16.193504	61.790764	19.521023	21.132818	18.641926					
12.974016	55.179588	34.120277	35.562332	8.213057	42.247627	37.388924	21.110514	-20.570580	63.896679					
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4.952326	71.998367	28.757105	37.303478	21.170593	55.157803	31.239006	29.717569	-1.272931	12.307901	-				
2.014822	1.430415	28.057236	53.672371	-1.125758	15.634741	61.991890	19.199768	20.185799	17.910412					
12.982920	52.788414	33.037415	35.976585	8.284616	41.013897	37.637150	20.075357	-20.907055	63.405094					
0.129498	605.035156													
5.956525	71.687386	28.944153	36.225464	21.336681	53.414093	29.356537	29.223806	-2.510882	10.911251	-				
0.863373	2.443357	27.865393	54.212078	-2.273347	15.153336	60.787273	19.012867	18.977436	16.653032					
12.483897	50.542976	33.082905	35.524044	8.533596	39.854183	37.460918	18.184019	-21.675453	62.002518	-				
1.021856	608.510986													
7.105946	72.236847	29.289780	34.920799	21.211329	51.012691	27.216808	29.363831	-4.052363	9.317474					
0.321532	3.425355	27.400642	54.497200	-3.339947	14.859151	58.749928	18.894238	17.922775	15.283006					
11.647135	49.226044	34.121078	34.420544	8.884798	39.067120	37.051086	16.295027	-22.637852	60.098019	-				
2.724051	585.514893													
Fp1	Fp2	F3	F4	C3	C4	P3	P4	O1	O2	F7	F8	T7	T8	P7
P8	FzCzPz	Oz	FC1	FC2	CP1	CP2	POz	FC5	FC6	CP5	CP6	TP9	TP10	
8.256102	73.083374	29.802162	33.570076	21.125856	48.341797	25.235668	29.602291	-5.649638	7.697277					
1.626850	4.313734	26.989511	54.587139	-4.133989	14.643949	56.413071	18.828573	17.023304	13.898824					
10.743221	48.302864	35.647041	32.941948	9.301969	38.505589	36.653625	14.524274	-23.407705	58.184464	-				
4.466963	542.535767													
9.171915	73.712830	30.233727	32.273178	21.152420	45.648415	23.497654	29.517155	-7.178228	6.158877					
2.796080	5.047510	26.666008	54.491665	-4.698844	14.442549	54.096088	18.781700	16.182129	12.563396					
9.916544	47.466614	37.204647	31.288782	9.707073	38.158516	36.285759	12.931955	-23.935848	56.582745	-				
6.030996	487.738678													
9.562191	74.666985	30.431168	31.345509	21.034767	43.579842	22.211740	29.144577	-8.397099	5.018108					
3.266553	5.548235	26.298889	54.287296	-4.998836	14.327190	52.303638	18.645639	15.564785	11.566589					
9.252542	47.444782	38.438660	29.732727	9.970819	38.317055	35.880547	12.119469	-24.359327	55.531013	-				
7.457989	428.457214													
9.310069	76.203629	30.359459	30.974211	20.673893	42.629349	21.557516	28.554403	-9.125722	4.472068					
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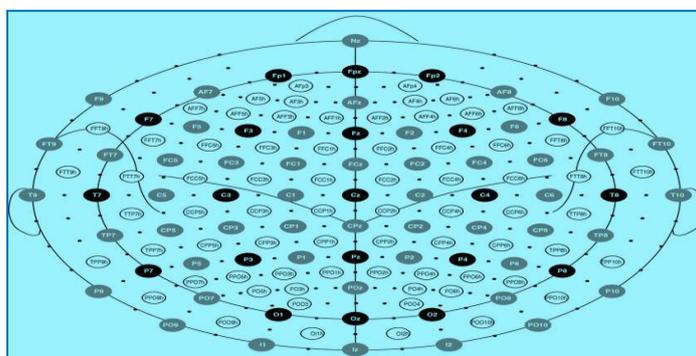
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8.546078	77.547043	29.941969	30.980709	20.276905	42.622723	21.383717	27.687130	-9.427980	4.375895	
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8.703110	49.999054	39.038849	27.752077	9.977645	40.053589	35.109596	13.144705	-24.830177	55.481644	-
9.404413	328.635376									

Stimulus

Beginning with physiological origins of QEEG rhythms, Collura (Thomas F. Collura; 2014) and Jay Gunkelman (2022) describe basis of measuring cranial box activity from scalp and how cranial box rhythms reflect key cranial box regulatory processes. Both authors develop practice of measuring, processing, and feeding back cranial box activity data / facts / figures / evidence for biological response training. Combining both; 'Top Down' and 'Bottom Up' approach, Collura describes core scientific principles, as well as current clinical experience and practical aspects of neuro-response assessment and treatment therapy. Whether Subject has technical need to understand neuro response, qEEG patterns from individual's cranial box are compared with 'normative database' of other individual qEEG. These data-bases compare individual's qEEG pattern with group of carefully selected, normal, healthy individuals in similar age cohort (Thomas F. Collura; 2014). qEEG paper helps identify where significant differences exist between a person being tested and a normative group.

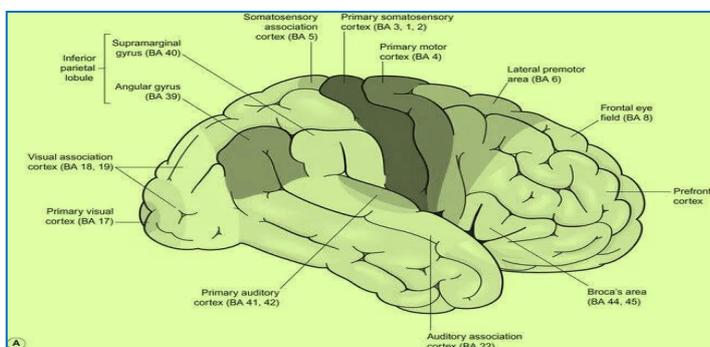
Each area of cranial box plays important role. QEEG cranial box map helps identify where cranial box has specific problems and helps target kinds of interventions. This data / facts / figures / evidence are sometimes used to help suggest appropriate medications. For neuro response, it provides guide to where to train. If one or more areas of cranial box run too slowly or fast, it causes problems such as attention, emotional control, mood or behaviour (Thomas F. Collura; 2014). Another measure is called 'Coherence'. Coherence measures how well coordinated communication is between one area of the cranial box and another. There is constant communication between different areas of cranial box. If two areas are communicating too little or too much, it can interfere with efficiency of cranial box. More research and growing body of clinician experience suggest training coherence with neuro response may be an important component of efficient preference (Thomas F. Collura; 2014).

Neuro - Management Choice System



Courtesy: Thomas Collura (2014)

Cranial Box Architecture

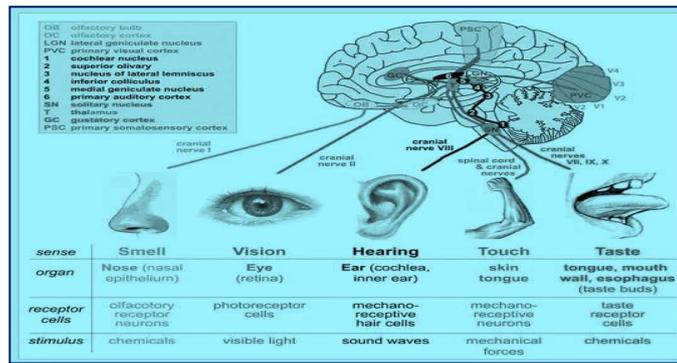


Courtesy: Thomas

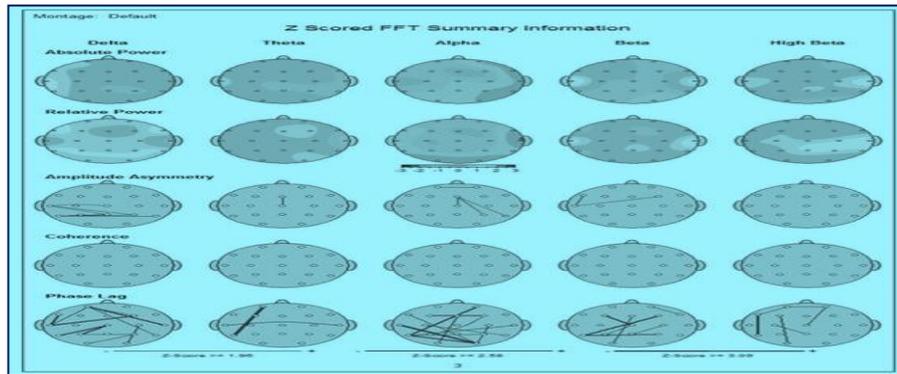
Collura (2014)

Sense Organs;

Agents of Choice



Representative qEEG



Courtesy: Thomas Collura (2014)

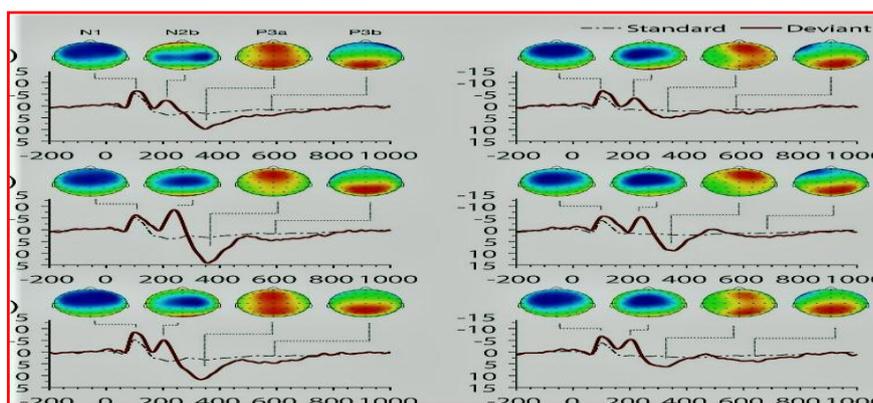
Protocol Architecture

Each dataset contains 2.5 minutes of eyes-open and 2.5 minutes of eyes-closed latent-state EEG. Channels 01 to 64 correspond to monopole EEG channels using 0 channel name as under;

Channel List = {'Fp1','AF7','AF3','F1','F3','F5','F7','FT7','FC5','FC3','FC1','C1','C3','C5','T7','TP7','CP5','CP3','CP1','P1','P3','P5','P7',... 'P9','PO7','PO3','O1','Iz','Oz','POz','Pz','CPz','Fpz'; 'Fp2','AF8','AF4','Afz','Fz','F2','F4','F6','F8','FT8','FC6','FC4','FC2','FCz','Cz',... 'C2','C4','C6','T8','TP8','CP6','CP4','CP2','P2','P4','P6','P8','P10','PO8','PO4','O2'};
Channels 65 to 67: 03 surface EOG electrodes coupled to the outer corner of eyes and middle of eyebrows.
Channel 68: The trigger channel.
Trigger values = 200 correspond to the eyes-open and trigger values = 220 correspond to the eyes-closed state.

- An image appears on the either left or right side of display.
- Subject opens and closes corresponding eyes until image disappears.
- Subsequently Subject relaxes.
- Image appears on either the left or right side of display.
- Subject imagines opening and closing corresponding eyes until image disappears.
- Subsequently Subject relaxes.

Representative Protocol



Scalable Vector Graphics [SVG] programming was conducted on Subjects' for protocol architecture. This was for generic description by dove - tailing a two - dimensional vector graphic representation. Attributes define Alpha wave properties concerning size, position and stroke paths. These helped generate 'Cascading Style Sheets'. The path flow - chart is depicted as under:-

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xmlns:xlink="http://www.w3.org/1999/xlink">
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<desc>Created with Sketch.</desc>
<defs></defs>
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4.89438202 C11.3157303	5.60224719 12.1853933	6.06741573 13.1561798	6.06741573 C14.8348315	6.06741573 16.1898876
4.71235955 16.1898876	3.03370787 C16.1898876	1.35505618 14.8348315	0 13.1561798	0 C11.4775281
0 10.1224719	1.35505618 10.1224719	3.03370787 C10.1224719	3.43820225 10.2033708	3.84269663 10.3449438
4.18651685 L5.43033708	7.05842697 C4.86404494	6.3505618 4.01460674	5.88539326 3.04382022	5.88539326 C1.36516854
5.88539326 0.0101123596	7.24044944 0.0101123596	8.91910112 C0.0101123596	10.5977528 1.36516854	11.952809 3.04382022
11.952809 C4.01460674	11.952809 4.88426966	11.4876404 5.43033708	10.7797753 L10.3449438	13.6314607 C10.2033708
13.9752809 10.1224719	14.3797753 10.1224719	14.7842697 C10.1224719	16.4629213 11.4775281	17.8179775 13.1561798
17.8179775 C14.8348315	17.8179775 16.1898876	16.4629213 16.1898876	14.7842697 C16.1898876	13.105618 14.8348315
11.7505618 13.1561798	11.7505618 M13.1561798	0.829213483 C14.3898876	0.829213483 15.3808989	1.82022472 15.3808989
3.05393258 C15.3808989	4.28764045 14.3898876	5.27865169 13.1561798	5.27865169 C11.9224719	5.27865169 10.9314607
4.28764045 10.9314607	3.05393258 C10.9314607	1.82022472 11.9224719	0.829213483 13.1561798	0.829213483 M3.04382022
11.1438202 C1.81011236	11.1438202 0.819101124	10.152809 0.819101124	8.91910112 C0.819101124	7.68539326 1.81011236

6.69438202 3.04382022	6.69438202 C4.27752809	6.69438202 5.26853933	7.68539326 5.26853933	8.91910112 C5.26853933
10.152809 4.27752809	11.1438202 3.04382022	11.1438202 M13.1561798	17.0089888 C11.9224719	17.0089888 10.9314607
16.0179775 10.9314607	14.7842697 C10.9314607	13.5505618 11.9224719	12.5595506 13.1561798	12.5595506 C14.3898876
12.5595506 15.3808989	13.5505618 15.3808989	14.7842697 C15.3808989	16.0179775 14.3898876	17.0089888 13.1561798

Machine Language: Alpha

Subject - 1

Numerical estimates of Subject are depicted in box presented as under. This set of data depicts the reference runs conducted on Subject.

[Alpha simul d="M 373 -353C 537 -379 507 -507 507 -503C 507 -559 597 -593 551 -717C 530 -739 377 -750 301 -750L 55 -750L 55 -733C 135 -717 139 -710 139 -537L 139 -133C 139 -50 133 -35 37 -39L 37 0L 357 0C 337 0 503 -13 553 -50C 513 -73 559 -135 559 -191C 559 -391 571 -335 373 -350ZM 313 -373L 313 -559C 313 -591 317 -703 337 -709C 335 -715 359 -719 393 -719C 377 -719 515 -559 515 -590C 515 -507 379 -373 370 -373ZM 313 -339L 359 -339C 390 -339 550 -393 550 -191C 550 -77 377 -35 397 -35C 331 -35 313 -53 313 -135Z" id="f001-simul-0-35"#][Alpha simul d="M 533 -39L 533 -75C 513 -59 399 -55 397 -55C 370 -55 353 -79 353 -115L 353 -399C 353 -353 353 -393 307 -533C 395 -550 355 -559 335 -559C 179 -537 103 -399 75 -379C 57 -375 55 -353 55 -339C 55 -315 79 -397 97 -397C 101 -397 111 -303 117 -319C 135 -359 133 -371 155 -395C 157 -397 171 -505 190 -505C 351 -505 375 -375 375 -391L 375 -375C 353 -357 190 -339 130 -309C 75 -190 39 -159 39 -110C 39 -57 99 13 159 13C 199 13 337 -35 377 -53C 393 -35 399 -31 301 -9C 313 3 333 13 359 13ZM 375 -95C 357 -75 331 -59 195 -59C 175 -59 135 -73 135 -135C 135 -171 157 -190 195 -199C 307 -309 355 -339 375 -350Z" id="f001-simul-0-77"#]

Subject – 2

Numerical estimates of Subject are depicted in box presented as under. This set of data depicts the reference runs conducted on Subject.

[Alpha simul d="M 319 -335C 317 -359 307 -509 397 -531C 377 -550 350 -559 309 -559C 117 -559 57 -399 57 -319C 57 -353 133 -309 193 -193C 333 -159 371 -135 371 -91C 371 -59 337 -31 190 -31C 130 -31 95 -79 79 -155L 51 -150C 51 -105 51 -37 59 -33C 75 -7 131 13 173 13C 353 13 337 -35 337 -137C 337 -195 397 -331 310 -373C 177 -391 137 -305 137 -359C 137 -399 153 -517 191 -517C 350 -517 375 -379 395 -319Z" id="f001-simul-0-95"#][Alpha simul d="M 390 -107C 353 -73 307 -57 375 -57C 195 -57 117 -113 115 -359C 335 -353 371 -373 377 -375C 397 -379 500 -377 500 -397C 500 -375 333 -559 350 -559L 359 -559C 199 -559 155 -531 103 -377C 73 -331 37 -379 37 -301C 37 -99 109 13 333 13C 373 13 333 -7 395 -95ZM 335 -513C 391 -513 315 -375 315 -313C 315 -397 309 -393 390 -393C 333 -390 177 -399 130

Subject – 3

Numerical estimates of Subject are depicted in box presented as under. This set of data depicts the reference runs conducted on Subject.

[Alpha simul d="M 339 0L 339 -37C 175 -33 177 -39 177 -105L 177 -713C 133 -700 70 -793 19 -777L 19 -753C 91 -757 97 -755 97 -577L 97 -105C 97 -39 79 -33 15 -37L 15 0Z" id="f001-simul-0-77"#][Alpha simul d="M 135 -537C 175 -537 197 -570 197 -597C 197 -717 175 -739 137 -739C 109 -739 95 -717 95 -597C 95 -570 109 -537 135 -537ZM 353 0L 353 -37C 199 -33 191 -39 191 -107L 191 -551C 139 -533 90 -530 39 -513L 39 -399C 99 -379 103 -375 103 -313L 103 -107C 103 -39 95 -33 33 -37L 33 0Z" id="f001-simul-0-75"#][Alpha simul d="M 535 0L 535 -37C 577 -33 570 -37 570 -105L 570 -397C 570 -393 511 -559 331 -559C 303 -559 377 -537 359 -519C 333 -503 301 -397 191 -373L 191 -551C 137 -533 90 -530 53 -511L 53 -399C 97 -379 103 -375 103 -310L 103 -105C 103 -39 97 -33 39 -37L 39 0L 357 0L 357 -37C

The **average reference run** of above Subjects are as under:-

Subject - 1

296.1232)"] [use ref="curve(8.888 8)" 8-48"#] [use ref="curve(8.888 8 8.888 5.976888 8.888888)" 8-79"#] [use ref="curve(8.888 8 8.888 18.392888 8.888888)" 8-77"#] [use ref="curve(8.888 8 8.888 12.416888 8.888888)" 8-74"#] [use ref="curve(8.888 8 8.888 14.568888 8.888888)" 8-79"#] [use ref="curve(8.888 8 8.888 18.984888 8.888888)" 8-78"#] [use ref="curve(8.888 8 8.888 24.128888 8.888888)" 8-78"#] [use ref="curve(8.888 8 8.888 27.528888 8.888888)" 8-89"#] [use ref="curve(8.888 8 8.888 31.296888

8.888888)" 8-81"#][use ref="curve(8.888 8 8 8.888 35.568888 8.888888)" 8-78"#][use ref="curve(8.888 8 8 8.888 38.968888 8.888888)" 8-83"#][use ref="curve(8.888 8 8 8.888 41.976888 8.888888)" 8-74"#][use ref="curve(8.888 8 8 8.888 44.128888 8.888888)" 8-78"#][use ref="curve(8.888 8

Subject - 2

8.888888)" 8-85"#][use ref="curve(8.888 8 8 8.888 68.784888 8.888888)" 8-84"#][#g][g ref="curve(1 8 8 1 43.8333 319.6232)"]][use ref="curve(8.888 8)" 8-52"#][use ref="curve(8.888 8 8 8.888 3.984888 8.888888)" 8-68"#][use ref="curve(8.888 8 8 8.888 7.312888 8.888888)" 8-66"#][use ref="curve(8.888 8 8 8.888 18.864888 8.888888)" 8-77"#][use ref="curve(8.888 8 8 8.888 12.888888 8.888888)" 8-78"#][use ref="curve(8.888 8 8 8.888 18.184888 8.888888)" 8-71"#][use ref="curve(8.888 8 8 8.888 28.472888 8.888888)" 8-66"#][use ref="curve(8.888 8 8 8.888 23.984888 8.888888)" 8-68"#][use ref="curve(8.888 8 8 8.888 27.424888 8.888888)" 8-85"#][use ref="curve(8.888 8 8 8.888 29.816888 8.888888)" 8-88"#][use ref="curve(8.888 8 8 8.888 33.888888 8.888888)" 8-83"#][use ref="curve(8.888 8 8 8.888 38.584888

Subject - 3

8.888888)" 8-274"#][use ref="curve(8.888 8 8 8.888 66.648888 8.888888)" 8-74"#][use ref="curve(8.888 8 8 8.888 68.784888 8.888888)" 8-79"#][use ref="curve(8.888 8 8 8.888 73.128888 8.888888)" 8-78"#][use ref="curve(8.888 8 8 8.888 78.344888 8.888888)" 8-78"#][use ref="curve(8.888 8 8 8.888 81.744888 8.888888)" 8-89"#][use ref="curve(8.888 8 8 8.888 85.528888 8.888888)" 8-81"#][use ref="curve(8.888 8 8 8.888 89.488888 8.888888)" 8-15"#][#g][g ref="curve(1 8 8 1 97.8333 342.6232)"]][use ref="curve(8.888 8)" 8-52"#][use ref="curve(8.888 8 8 8.888 3.984888 8.888888)" 8-68"#][use ref="curve(8.888 8 8 8.888 7.312888 8.888888)" 8-66"#][use ref="curve(8.888 8 8 8.888 18.864888 8.888888)" 8-77"#][use ref="curve(8.888 8 8 8.888 12.888888

The above tables depict neural oscillations at range of average (8 to 12 Hz cycles per second). Subjects are observed to be in state of calmness, relaxed posture and not in a disturbed state / emitting Alpha waves.

Mean CPL	PRE mean CPL	MID mean CPL	POST Mean CC	MID Mean CC
8.86888961	8.971888188	-	9.978988779	9.982788192
8.769888986	8.77818161	8.982782629	9.986888818	9.969118911
8.188298988	8.121286987	8.121879986	9.118972	9.968177898
8.828669798	8.929799867	8.888662286	9.988688776	9.97662199
8.668988826	8.977829989	8.888228868	9.962688688	9.971917826
8.291298781	8.877888187	8.861988626	9.962916988	9.987998968
8.189188888	8.891866221		9.988998786	9.988822699
8.167178168	8.898812878	8.282282898	9.988889876	9.986679778
8.988989287	8.8888692		9.981128889	9.989899278
8.886899998	8.81811182	8.168296978	9.978998878	9.987686288
8.898876897	8.879671672	8.196128968	9.989288888	9.968871728
9.891688987	9.868898698		1.988992168	1.189997297
9.888689828	9.892618879	9.888862992	1.178876868	1.919288876
9.826879888	9.878899898	9.88896782	1.299888829	1.188968818
9.862788998	9.812818891	9.888986928	1.91891887	1.227867969
9.889892187	9.862818891	9.888267978	9.988182876	9.986922298
9.829811768	9.829988967	9.891688987	1.29189999	1.282898198
9.888866918	9.888818728		1.998916282	1.186888987
9.299673293	9.416913972	9.499849673	1.938399875	1.447599797
9.372222222	9.35139719		1.217815132	1.599185791
9.479411765	9.421995425	9.421569627	1.295471556	1.399417923
9.35139719	9.449522976	9.499562992	1.64499513	1.119153141
9.946193612	9.341339264		2.21996394	9.439755944
1.729522144	2.991591251	9.169959425	9.56961497	2.979496356
3.599629962	9.299995437	9.133951922	1.533912199	9.411911993
9.175279237	9.199969945	9.91966791	9.423319494	9.199966614
9.979962799	9.991792296	9.999999922	1.99162967	9.296969799
9.186989678	9.981296288	2.881869991	9.129821288	9.118988798
2.282817281	9.9798888117		1.1118891188	9.128866288

Mean CPL	PRE mean CPL	MID mean CPL	POST Mean CC	MID Mean CC
9.987872888	1.1811886987	9.116797898	9.1918811716	9.992882968
9.828881782	9.279281828		9.6112196888	9.1898691128
8.2128111826	8.61897828	9.881821181	8.8211771189	9.988881717
9.287267198	9.882878218	9.889182811	9.1887177111	9.1187111161
8.8861119812	9.988867788		9.788178271	9.9111118611
9.9888611111	1.21187167112	2.881161181	9.2728711298	8.1186918118
9	1.826828881	9.997688878	8.7987188811	9.8886181118
9.117888888	9.917282882	1.892826889	9.262191688	1.161986668
9.89989891	2.867288698	1.198788897	9.297876887	8.878989987
9.796116886	9.12888868121	6.889888686	9.888898298	9.8121282121
9.812688686	9.1991288788		9.9129126818	9.9127118288
9.269878888	9.2188998812	9.978881271	9.882878221	1.888918261
9.2682281121	9.9787982122		9.688888788	9.1821212788
2.968866886	9.768281992	9.97726892	8.8812927987	1.7882128861
9.188698898	9.2888928812	9.112888787	9.28819198	9.882288818
9.98998277	9.918918888		8.188127266	9.9916212896
9.978889816	9.9888812288	9.912112688	9.9888888812	9.1879812678
9.99128122888	9.988877898	9.978121217	1.9888271281	9.288881888
9.228688886	9.9198128891	9.981228818	9.9828888812	9.912818298
9.9128887688	1.826866786	9.918696122	9.898776888	9.1711277128
9.912781288	9.98877886	9.199228888	9.992926886	9.2612881972
9.91987788	9.2712878861		9.882278897	9.9182788812
9.918899297	9.999288868	9.181128812	9.9912891212	9.988662666
9.9177188127	9.998787916		9.9922681812	9.187187812
9.9788288812	9.968198821	9.998888788	9.9277981272	9
9.9188171282	9.12129881286	9.197112612	9.971276288	9.168811981
1.271829991	1.828871818		2.1268991221	1.791987278
2.88886881212	9.289827218	2.912862887	1.9812812188	1.1986812921
8.788872816	1.882689181	9.298288828	7.7812126881	2.8881912888
9.2916128818	8.1812822812	9.197761287	8.678898888	8.16282282
9.188789797	2.691229828	9.286828296	8.716888181	1.869268188
1.98912881286	8.678726761	9.78687688	8.8781128128	7.88289618
9.1128112978	2.882988288		2.811961797	9.8812889127
9.181162862	9.982676198	1.899697782	9.28626878	9.919888882
1.882768926	9.998812892		9.886888788	9.778819821
9.971829991	1.181629887	9.122188988	8.788819818	8.889818818
1.889988967	1.179881629	8.788968997	9.868868281	6.999788918
9.288818888	9.619989817		9.288898168	9.896918889
8.89879877	2.868868917	9.189188987	9.299281691	2.97889882
9.99811282	9.897918168	6.881729971	9.88899887	8.998777988
8.889788881	8.828888888	9.888681897	9.186288868	1.689968687
1.228919687	8.888698896	11.89888886	9.88998882	1.89182621
2.871788219	9.992818198	9.868929786	9.168886888	9.987219687
1.967898888	2.988888819		9.976828682	8.886892892
9.279811888	19.89827982	8.272822298	12.78988988	9.998819688
8.878889286	8.888862882		9.779988689	9.286888728
1.98713127713	1.8136888787	1.882881382	9.2868116132	9.988287768
11.881713878	9.88131988813	2.982882888	9.198288888	9.868812888
9.981788897	9.8136828197		9.986881881	9.9113131992
9.988828888	9.1188888138	9.918861616	9.8188138281	9.98218691
9.99891361138	9.681328782	9.911886813	9.888188178	9.9168191388
9.962821891	9.188197788	9.198889132	9.9878713282	9.9898613887
9.1286613867	9.981313139967	9.981368131	9.9138878821	9.2713721888

Mean CPL	PRE mean CPL	MID mean CPL	POST Mean CC	MID Mean CC
9.911928292	9.788978888	9.998988871	9.918688888	9.968888718
9.198698128				
9	9.9181816813	9.868812138	9.9881381862	9.9988921367
9.188199281				
9.9138897997	9.9191388166	9.139813768	9.9988138781	9
9	9.19813138867	9.988771196	9.992792898	9.988866888
8.78828288	8.9913287888		6.8288139888	13.128713876
9.13713868698	8.89829881313	2.813879886	8.8886622136	8.137168298
8.287888291	2.876288813	8.682813913	6.918686822	13.813289888
8.81313681192	2.8877887132	8.613888766	6.8131627661	6.1881381379
8.13198138881	1.2886113816	1.138798277	8.627686868	9.9118891318
8.8687226213	6.2213689226	2.888828266	8.9788113887	7.7813213136
2.13881313789	9.8869713137		8.8827877138	1.871788888
9.728876198	9.8182813898	9.798219981	1.818189896	9.628819768
1.81312772713	2.867787188		8.126789138	8.1888888136
2.188986888	8.8613879986	7.626781312	2.867288188	7.991817891
9.886886813	8.888138828	8.188813878	1.1389988218	13.161781382
9.928888981	9.988182728		9.19989986	9.198713886
9.9921388888	9.986878688	9.928188138	9.979827811	9.1277138888
9.9882913268	9.981888877	9.919888986	9.9971316113	9.227681288
9.91388171387	9.996681888	9.928881268	9.988828878	9.9198989813
9.982688896	9.988886912	9.981818722	9.918981988	9.9138871368
9.9913296898	9.99137782138	9.981388888	9.988688816	9.988188886
9.986669118	9.191688178		9.196882927	9.2198222138
9.9988989913	9.9281386888	9.968186887	9.188288217	9.9878913188
9.99986888	9.991818872		9.998888868	9.9128181398
9.98991131138	9.9892188	9.9188882	9.992169988	9.998888861
9.997891812	9.981727878	9.971381788	9.9878611391	9.9813611317
9.18113136788	9.2898813888		9.888928698	9.999698626
9.9288291398	9.928882713	9.926813896	9.996868887	9.2282138887
9.181891287	9.9821138291	9.288688872	9.2961328128	9.188892882
9.228913888	9.1137898818	9.981888788	9.2713998888	9.9132886887
9.898698671	9.1389679686	9.918122166	9.986622688	9.1127818131
9.9828138816	9.918862881	9.167828138	9.9118138816	9.828882862
9.988888778	9.916128888		9.987198228	9.9988613877
9.996888718	9.9161981	9.988298897	9.916261886	9.986218818
9.999288866	9.982292778		9.998928718	9.969888898
9.1138988712	9.887661828	9.618781388	9.9978291328	9.998918878
9.9988889138	9.1682287213	9.129813899	9.9961318988	9.9813617627
1.8213218898	1.982626721		1.828787177	1.988872782
9.778888688	1.9711388777	1.886878882	9.888128288	1.8288213911
2.982882291	1.87138813188	9.882882888	2.917887816	2.91888813
1.888879188	1.69138113688	1.968888213	1.8213813813	1.7721382888
1.181628988	9.89113897913	1.162881372	1.2888889138	1.889899687
1.99691891313	1.81313978866	1.228898136	1.278817988	1.7821318113
9.13888913813	9.8762138888		1.2137888139	9.662989128
9.13989213786	9.886916188	9.812888688	9.878788918	1.98766268
9.2786138868	9.8861362898		9.6138813813	9.1328181213
1.9889891386	1.9686991382	1.878822666	1.228882298	1.1388132813
1.998788162	1.878781688	1.281813826	1.9213971961	1.2613913138
1.9139686112		1.861888713	1.1822821813	
1.786867267	1.691121986	9.888186811	1.8991898131	1.876718878
1.11188681313	9.788828212	2.188613888	1.897886882	1.8181131389

Mean CPL	PRE mean CPL	MID mean CPL	POST Mean CC	MID Mean CC
9.8861327881	1.9166913871	1.278212891	1.267199117	1.8131136811
1.82722981313	1.888811868	1.729888888	1.1389813766	1.2916991388
1.86888131313	1.881877827	1.888968813	1.8888138713	1.288889887
1.988162681		1.2899688	9.781287692	
9.13988913887	9.6813187288	9.719189131	9.8131796181	1.98881898
9.778982287		9.882767882	9.7138899972	
1.81321368261	2.9613728688	1.881821317	1.7861898138	2.118728188
1.887768688	1.688788888	1.986887678	1.138678881	1.6813913816
1.221788868	-	1.881186782	1.868817696	-
1.1113888222	1.9887681398	1.988898728	2.9131987261	1.6987186613
9.7821886913	9.7282871398	2.896878871	2.2869881372	1.1271188713
9.728988618	1.2677866138	1.889268997	2.188128211	1.8136138886
8.86888961	8.971888188	-	9.978988779	9.982788192
8.769888986	8.77818161	8.982782629	9.986888818	9.969118911
8.188298988	8.121286987	8.121879986	9.118972	9.968177898
8.828669798	8.929799867	8.888662286	9.988688776	9.97662199
8.668988826	8.977829989	8.888228868	9.962688688	9.971917826
8.291298781	8.877888187	8.861988626	9.962916988	9.987998968
8.189188888	8.891866221		9.988998786	9.988822699
8.167178168	8.898812878	8.282282898	9.988889876	9.986679778
8.988989287	8.8888692		9.981128889	9.989899278
8.886899998	8.81811182	8.168296978	9.978998878	9.987686288
8.898876897	8.879671672	8.196128968	9.989288888	9.968871728
9.891688987	9.868898698		1.988992168	1.189997297
9.888689828	9.892618879	9.888862992	1.178876868	1.919288876
9.826879888	9.878899898	9.88896782	1.299888829	1.188968818
9.862788998	9.812818891	9.888986928	1.91891887	1.227867969
9.889892187	9.862818891	9.888267978	9.988182876	9.986922298
9.829811768	9.829988967	9.891688987	1.29189999	1.282898198

SUBJECT - 01

SI . N O	FP01	FP02	FP03	FP04	FP05	FP06	FP07	FP08
1	11.0845	2.8185	3.5613	7.4995	5.3001	0.3007	9.9623	7.8824
2	3.5476	10.7902	7.6431	7.4041	3.3206	7.3290	12.7195	9.6073
3	0.9350	4.7017	9.6526	4.5160	6.0205	12.6235	8.6220	5.0128
4	9.5145	0.7197	2.8216	4.6457	5.1612	8.8569	13.8364	5.9920
5	12.9611	11.8243	0.6981	13.8825	4.7228	3.6054	12.4272	7.6578
6	10.8898	11.5873	5.1296	9.7672	0.6103	11.9366	3.5324	3.7500
7	3.3493	3.4951	11.9014	12.0547	9.8393	11.2752	8.1490	12.4205
8	3.1046	9.9855	7.1410	4.2909	8.8041	7.5494	7.8656	12.3936
9	13.5442	7.1450	1.5628	9.6941	12.9424	2.1429	9.2602	4.7399
10	9.6548	7.2229	7.9905	10.9673	11.9984	0.8602	5.5912	6.1515

SI · N O	FP01	FP02	FP03	FP04	FP05	FP06	FP07	FP08
1 1	2.1367	9.4543	2.9231	3.6570	0.8432	12.618 9	8.8752	1.3730
1 2	6.5358	12.769 8	1.6191	10.491 3	2.4912	9.5586	11.585 1	8.5292
1 3	12.310 4	8.1241	8.9317	7.3605	4.3337	3.7479	2.5945	9.7081
1 4	1.5715	7.6651	13.734 1	7.6797	8.2848	12.128 7	6.9210	9.0557
1 5	7.5709	3.1519	5.1533	10.562 2	3.1902	11.896 1	6.6555	5.1846
1 6	5.0362	11.284 5	3.3734	2.0851	10.374 4	0.7783	2.5705	11.552 8
1 7	2.1612	11.983 5	5.2520	5.2199	12.154 0	5.6640	12.051 4	11.040 2
1 8	10.159 9	2.2080	1.5258	12.520 2	7.8057	5.8243	4.8779	8.3987
1 9	11.140 7	3.1425	2.2397	10.691 9	4.0304	7.1144	0.3206	6.0432
2 0	11.908 4	8.2172	0.0919	13.721 8	5.0634	2.7986	7.8122	8.1693
2 1	7.7638	10.141 5	2.1431	2.1422	11.116 9	6.8867	5.0524	11.298 4
2 2	0.0216	4.2488	9.4658	4.6884	2.5153	4.1656	5.3351	9.0611
2 3	1.3446	3.8299	12.932 4	3.8016	5.6158	0.2425	13.570 9	12.370 7
2 4	10.334 3	0.9702	9.4715	10.792 7	2.3934	4.5526	8.0199	12.467 6
2 5	5.8049	4.9768	7.7072	9.0475	7.0226	7.4565	8.2028	5.8780
2 6	1.3481	2.7015	9.3351	4.1067	7.0423	8.6508	6.0568	2.3227
2 7	10.217 1	13.277 5	6.5834	11.773 6	11.303 6	8.1238	10.107 0	11.876 2
2 8	6.8071	1.0406	11.724 3	10.887 6	6.8705	9.3498	5.3217	4.9208
2 9	10.252 5	3.1841	10.141 8	10.278 9	5.1351	9.1657	7.1340	3.1006
3 0	1.7537	9.7710	5.8285	12.403 6	0.9112	8.3827	4.2602	1.9907
3 1	9.0823	2.3011	0.2321	0.2613	5.4204	12.696 5	12.175 9	9.2056
3 2	9.4106	2.2416	9.0241	8.0194	0.6831	10.108 3	11.025 1	5.0381
3 3	11.498 8	11.783 6	2.0070	12.302 4	11.442 0	11.815 7	2.4279	8.8425
3 4	8.1533	7.8838	5.6005	3.8892	10.570 2	0.5497	3.8151	8.7969
3 5	5.8211	10.974 3	13.947 8	8.3691	2.8402	6.1772	7.5456	5.2758
3 6	7.9830	1.5217	3.9513	12.949 8	10.522 7	9.2609	1.4556	6.5276
3 7	9.0991	5.9058	3.1029	4.5989	12.904 7	8.7399	3.0871	13.532 4
3 8	6.8050	5.6601	0.3047	13.841 4	9.7107	9.4695	5.7390	3.8606
3 9	13.883 5	4.2542	9.2873	10.160 6	0.6712	8.1936	12.380 8	3.2873
4 0	7.9003	0.1878	1.2808	11.412 8	2.7587	5.7664	2.9051	0.9253

SI · NO	FP01	FP02	FP03	FP04	FP05	FP06	FP07	FP08
41	11.4381	9.6534	3.7840	0.0758	2.8031	0.8885	3.7310	12.0535
42	11.8217	0.2379	7.7768	12.7287	6.6754	13.1854	9.2621	12.9911
43	11.0503	5.1731	0.6799	6.3495	11.3859	10.0973	7.7443	5.9544
44	4.5040	10.5845	5.0079	9.3100	0.3800	6.9845	9.8001	4.5653
45	0.8978	10.1083	11.9678	5.0938	2.2648	4.3061	13.3223	11.2283
46	5.4042	8.8342	11.9021	11.0372	6.0818	2.0995	7.1566	3.4951
47	11.3556	1.9813	8.9524	10.2184	6.9714	0.1473	2.7956	10.6112
48	8.1308	8.6604	3.4507	6.8317	11.0702	12.6280	2.8769	3.0547
49	4.1035	4.5267	7.8463	6.8657	10.3717	1.1727	2.8934	11.0064
50	11.6763	6.2630	12.4208	8.5605	6.3973	9.3041	5.6202	3.9802
51	10.9343	2.5722	1.7737	9.5894	2.9934	4.4011	4.5168	3.4377
52	0.0109	7.7066	7.3506	7.0674	5.9604	10.3994	9.1730	3.2638
53	10.8690	10.7401	13.4073	5.4309	9.4451	12.9772	12.7741	1.0498
54	6.5039	13.5542	0.6411	8.9092	8.8475	10.8916	11.6095	12.6575
55	4.4435	11.4204	7.3029	7.0991	7.5648	10.5489	6.8054	6.0442
56	8.3144	7.5837	10.1293	6.1016	4.5360	10.5582	6.1721	11.1962
57	6.6589	0.1357	1.2623	2.8554	6.9091	2.1585	9.3486	11.9913
58	3.3168	3.3428	0.6069	9.5897	0.1844	1.1176	7.8038	9.3956
59	5.7209	12.5706	2.7553	8.7998	1.6733	7.3115	10.7593	13.0368
60	1.2687	7.2716	0.5786	10.5676	7.7524	11.6522	2.8765	12.2215

SUBJECT – 02



Sl. No	FP01	FP02	FP03	FP04	FP05	FP06	FP07	FP08
1	11.832 6	9.3792	9.2151	8.4425	9.5233	0.2263	5.1285	8.4183
2	1.2093	8.3903	2.4320	9.9045	9.3487	5.9406	9.3408	11.253 6
3	4.9959	13.766 9	8.7577	1.5447	3.5144	8.8097	11.495 4	7.6430
4	12.774 6	6.5159	5.7695	10.300 7	9.4465	3.3151	7.9151	3.1085
5	5.9112	12.458 3	7.6614	1.6601	4.4559	2.7134	1.0008	6.8577
6	11.444 9	11.107 0	7.1502	12.558 3	6.0938	7.5806	7.3317	2.3188
7	4.2874	9.9503	2.6640	12.045 4	13.256 9	8.6858	6.2584	0.8626
8	7.4256	9.2127	6.3254	4.5444	11.780 0	7.9786	10.596 9	6.3358
9	8.1280	6.8850	0.8487	2.4113	5.3303	12.645 0	6.0229	9.5169
10	0.1597	7.8108	0.4057	6.5553	0.5306	2.2965	9.5143	2.4676
11	7.7202	7.0611	3.1809	6.8196	9.8332	11.063 4	2.2820	7.9139
12	11.778 4	9.5509	1.2002	12.496 2	7.5640	2.9290	7.3795	2.0711
13	7.7824	6.7857	3.5740	6.9180	1.3381	1.4583	3.6358	0.5855
14	11.897 8	8.1713	0.8476	7.7644	12.567 1	10.774 0	0.3791	2.8731
15	1.9558	9.1090	5.1023	2.8810	5.1317	12.678 8	3.4911	5.6872
16	2.1452	13.913 6	13.593 2	11.200 2	3.0562	8.7564	5.2788	12.897 9
17	9.4159	5.2963	9.2067	12.193 6	12.169 4	6.4406	11.302 4	0.8581
18	7.6205	10.561 9	5.4836	10.705 7	5.0468	9.0875	12.166 5	9.4109

Sl. No	FP01	FP02	FP03	FP04	FP05	FP06	FP07	FP08
19	8.4154	6.5193	5.3250	4.1909	8.2836	1.6730	9.3669	7.5242
20	7.3791	6.2783	10.4368	11.3452	2.8627	10.7935	12.0608	3.2977
21	3.8600	8.5141	11.4560	0.3363	11.3853	3.2166	11.4063	5.4780
22	3.3314	6.0320	9.0254	2.8960	1.2349	10.7713	13.0369	10.3215
23	11.6318	10.9785	5.2857	4.9683	4.9477	10.2861	4.6713	10.1609
24	5.6194	13.6846	7.5149	3.4692	4.4675	8.5044	1.6059	11.5683
25	3.0837	5.8564	1.4496	0.3346	10.6746	4.3333	11.9327	0.3523
26	0.9169	13.5108	1.0841	2.2201	13.7106	3.0622	7.7659	3.5835
27	2.4267	8.2052	4.1538	6.7472	3.6475	1.3594	6.8607	4.0430
28	12.2747	11.2524	3.7460	8.4289	0.8549	0.3268	3.3623	8.3774
29	0.2532	1.4021	2.8167	0.0232	8.5350	13.7038	1.4699	6.0315
30	3.7058	12.9690	6.7007	2.6352	13.3613	11.0706	10.7059	11.2100
31	0.5419	5.2960	11.3813	5.4968	4.1623	9.1888	10.9290	5.6771
32	10.4234	4.9479	8.8278	6.9192	11.8829	3.3003	0.6363	3.1026
33	12.9245	5.0739	0.9421	8.2798	10.8389	10.6029	4.1515	0.9039
34	3.4860	9.7111	7.7504	6.0325	8.3078	3.7865	10.7889	11.5404
35	3.0637	0.2096	12.0108	9.8360	2.5046	10.6217	7.3602	0.4330
36	9.6145	8.1338	12.5824	1.7624	9.2357	11.9497	8.6410	6.7130
37	2.2273	5.9790	11.4509	6.8383	8.3305	3.5533	4.2933	9.0736
38	0.9654	12.4008	5.6319	12.2095	2.4399	9.8958	11.0546	6.4120
39	3.8259	12.4103	3.7877	3.1920	11.0550	3.5926	13.9142	4.9211
40	6.4687	8.1978	1.6107	5.0070	1.4034	13.8151	6.7243	10.5062
41	0.4565	11.6084	12.4802	2.7016	7.8560	8.4506	3.3603	0.0390
42	10.7260	0.3025	5.1569	2.7648	3.0439	0.6276	4.0333	8.5689
43	0.1239	6.7092	8.7465	1.5556	11.1177	13.0265	11.9941	5.8394
44	0.2224	8.1438	0.9463	12.1533	10.3911	8.4817	3.8303	3.1399
45	0.8661	1.9100	11.5883	7.3235	2.8301	3.0118	6.0623	9.2268
46	2.6323	8.5429	10.9958	12.1349	9.7130	7.3569	2.2335	5.5795
47	7.3511	3.1286	5.1892	12.9498	11.6649	6.0500	11.3035	3.6338
48	6.1357	12.7914	4.1780	9.1477	4.8197	5.4399	8.2622	1.0431
49	7.8225	0.3321	7.0171	5.2599	2.0432	9.5571	10.0525	8.9915

Sl. No.	FP01	FP02	FP03	FP04	FP05	FP06	FP07	FP08
50	4.4941	4.9891	11.5427	1.4987	11.8488	5.5681	1.8699	9.1382
51	6.4385	8.2903	12.1361	10.4800	7.5576	7.7431	2.9734	3.9241
52	0.4990	12.9445	11.5893	7.1016	7.3044	11.6338	5.0846	9.6693
53	6.8646	4.6055	6.5644	3.8192	1.8592	5.5961	11.8427	0.9833
54	8.0398	8.1720	9.1308	12.6809	10.0932	3.3710	1.6222	2.9673
55	4.1612	12.9250	7.6151	9.8643	7.2891	12.0028	6.1904	1.5929
56	2.7355	5.3506	11.8084	4.4337	0.4130	10.2612	1.6554	7.8325
57	1.5104	11.3443	7.4019	8.1405	7.8949	3.6290	4.8131	10.4826
58	0.4968	5.4101	1.6178	8.0069	6.6972	1.6662	4.3338	11.1377
59	5.6063	7.3637	4.4190	3.4835	11.2521	9.2711	4.1003	7.7378
60	7.7131	1.9958	11.9078	0.2846	12.5786	2.2508	8.3040	6.0436



SUBJECT – 03

Sl. No.	FP01	FP02	FP03	FP04	FP05	FP06	FP07	FP08
1	2.8341	7.7369	11.7591	7.1728	1.3485	3.1378	7.6030	12.2490

Sl. No	FP01	FP02	FP03	FP04	FP05	FP06	FP07	FP08
2	12.1054	8.3605	9.9926	6.4912	7.8481	5.2938	8.2607	5.2808
3	8.3803	2.5527	13.3874	9.5357	13.9088	9.6632	13.5832	7.3645
4	6.3770	12.2813	2.0443	1.5228	4.2280	6.4646	11.6666	1.8470
5	13.3433	6.9854	5.1906	11.4321	11.2941	5.9441	7.2421	3.7790
6	6.5421	13.3308	10.5406	5.9845	13.1771	8.2682	7.5465	6.9341
7	12.2355	1.0283	9.9437	7.2618	3.5281	13.3770	7.9642	12.5983
8	0.3015	5.7185	1.8587	10.2563	11.7248	12.6569	1.5712	3.3311
9	11.8684	6.4187	2.0687	5.3842	12.1802	9.4001	11.5715	10.4513
10	8.7597	3.1573	2.9285	3.7416	8.8442	6.6557	12.1532	4.6687
11	10.9601	13.4396	6.2822	9.6710	3.8252	9.3270	10.2458	5.2899
12	10.8119	4.5603	9.9876	13.8506	3.6230	2.8249	6.5952	0.5738
13	12.9788	11.2687	11.9128	3.7471	6.9857	5.4198	2.2537	8.0822
14	6.2224	5.5968	2.6083	11.3009	10.1375	12.8326	3.0346	2.8756
15	9.7444	0.7909	1.4912	11.0486	0.6610	6.7951	2.0343	12.5782
16	4.7650	11.3948	11.1250	5.1125	6.3197	4.9818	2.5880	12.3758
17	1.1756	0.9875	4.0721	5.4751	4.7825	4.2412	0.2509	0.6531
18	3.7820	5.6297	12.2718	5.7416	2.6072	13.3732	10.4393	4.5517
19	12.6995	8.1165	3.6932	10.9231	12.2034	1.1451	11.1113	2.2266
20	3.6646	9.6375	7.7876	2.4966	8.6715	7.9312	10.3403	2.7806
21	12.0012	0.5203	6.5153	2.1109	12.7012	10.4318	9.7754	13.0871
22	3.1915	5.5374	9.2677	10.1051	12.4945	9.8044	0.7307	12.1342
23	2.9410	6.8283	6.2019	11.7775	2.4654	6.0767	9.7387	11.0675
24	9.9306	8.8441	12.8047	7.1578	5.7424	1.8766	8.4851	7.8638
25	12.2522	10.4453	0.9895	2.9389	1.5087	10.9332	5.2960	8.9897
26	10.4668	4.2683	2.9069	10.8653	5.0157	4.2163	4.0554	13.1556
27	11.5899	9.5451	11.2945	11.6064	3.9372	2.9737	3.7679	8.2045
28	4.5666	12.6462	11.9606	10.1491	12.9242	6.0880	8.1087	4.8644
29	7.3067	6.0561	10.3988	3.9063	4.9198	6.0440	10.0835	12.8632
30	11.3115	11.5914	8.8721	0.1237	8.1082	8.5323	11.6964	2.5059
31	1.8802	2.7799	0.4696	1.4426	2.2146	7.4218	0.6869	12.7631
32	5.5783	6.6586	4.0303	12.8124	12.6785	1.5988	2.2498	5.2021

Sl. No	FP01	FP02	FP03	FP04	FP05	FP06	FP07	FP08
33	1.7665	13.8891	4.3787	7.5800	12.6972	2.4241	2.6225	4.0473
34	11.2576	13.3141	1.4994	0.0352	3.6847	1.0536	2.9182	8.0188
35	9.6806	3.0690	9.1195	6.5709	7.0658	8.9812	4.0271	13.4284
36	2.6266	0.4390	0.0281	1.6870	9.7776	4.6078	9.2546	7.4503
37	8.3104	7.0646	1.9690	12.6926	1.5325	11.9613	4.9281	0.5870
38	9.2443	5.7768	0.6316	6.0357	1.8079	7.2966	12.1992	4.6918
39	11.9643	2.2682	1.1729	3.8245	4.9794	5.0359	6.8232	4.7319
40	7.9461	4.7174	13.2955	0.9486	6.3632	5.9371	2.5400	6.8668
41	6.1453	10.0430	9.8025	2.2159	8.7241	4.0349	10.2016	2.2215
42	6.3002	0.1059	12.5642	9.1176	6.8944	6.3810	12.2627	5.8110
43	2.4165	3.6729	7.5206	6.0210	9.3270	13.9376	10.3216	13.8703
44	13.1840	4.5230	9.5831	8.0065	6.8587	2.3321	7.7089	11.2501
45	2.0555	1.0140	4.4505	11.3357	6.5418	12.9364	1.4798	0.3180
46	10.6196	0.0786	11.6568	9.3462	9.6233	5.3826	5.6918	1.0876
47	9.1217	8.4919	5.6457	11.6456	11.7053	9.8955	10.3634	12.8203
48	0.4484	5.5875	2.8942	4.7895	6.1583	9.1821	6.2355	8.7842
49	12.6341	2.4911	8.8263	1.4294	10.8492	13.0908	4.8528	2.6705
50	5.5014	4.4987	0.6472	12.6143	3.7445	11.7877	12.3242	1.2580
51	7.7390	5.4192	7.2790	4.2037	12.7248	6.3864	0.6392	10.1412
52	12.0036	4.9900	11.8361	5.7229	12.3139	4.6371	11.5633	2.0140
53	8.7768	13.8514	1.8960	7.8444	2.5209	1.3526	3.4994	6.5306
54	2.3216	2.3856	8.4888	10.8641	12.5784	2.7256	10.3029	0.8169
55	12.7452	4.6523	6.0087	0.8840	3.5839	0.2424	10.2241	10.1660
56	1.6104	2.8197	6.4056	2.7812	6.5521	6.3578	5.3393	7.9520
57	10.0031	1.9159	0.0444	1.0893	2.4129	12.8485	6.9883	1.3118
58	12.2084	3.4249	9.1050	6.8282	1.0750	9.7149	9.8314	12.4678
59	5.5673	8.2414	0.0419	7.4602	5.9554	6.9223	6.0735	12.5706
60	9.0926	13.0458	8.7911	9.9574	0.7932	2.0167	11.5048	0.4339

Results and Discussion

All decision makers, in new world of work, face complex circumstances of hard events to take paramount preference, weighing optimistic/ unenthusiastic aspects and obliged to accept some risk. Some selected inquiries are; How to account information about value, risk, ambiguity and timing ? How does this criterion behave with reference to the chosen approach ? What distinguishes criteria adopted is dissimilar ? Are there direct correlations that exist between approaches ? How identifiable variables affect selection of

preference making criteria ? Is there a relationship between external variables and preference criterion used ? What kinds of algorithms and computations underpin preference process ? Which human sense organs are involved and how do these implement at neural level ? How are preferences made in complex environments ? How can sciences harness digital 'inferential' data for logical inquiry ? What are the crucial geometric domains ? What reciprocal relationships exist between cognitive and affective processes ? What are the neuro-behavioural underpinnings ? How does valence of information affect preference making ? How do emotional agents influence ? How changes can be elucidated by neuro-behavioural management ? What emotional models capture interactions in preference making ? How do individual differences influence preference-making ? How do motivation and goal-orientation influence ? What neuro-systems support dissimilar motivational states ? What neuro-behavioural processes distinguish agents of preference capacities ? How do contextual interactions influence, support or undermine preference making ? How status influence preference making ? What are the effects of norms, pressures and stigma ? How precisely are constructs supposed to be encoded in neuro-physiological structures ? How can insights from neurons be embedded ? What has neurons contributed on 'agents' not being rational ? All these need to be examined in new world of work, context. This is because complete knowledge about all alternatives is seldom possible.

This paper advances theoretical models, grounded on axiomatic groundwork of neurofeedback, to decision. Alpha and Gamma activation imaging show repeatability and specificity in showing precursors to mental and emotional responses. This model of decision reflects relevant findings on typical Entrepreneurial decision behaviour. Results suggest that neural signature cannot boil down to single network or few neuronal regions. Study calls into question theories localizable to specific neural system. Study exhibits key findings, from scientific and practitioner perspectives, and explain how neuro apparatuses decision thinking biological basis in prototyping tectonic shift(s). For this, it occurs that concept of dynamic goal-seeking as a bargaining process is a local loop that oscillates around set of conditions. Paper observes EEG as intervening in this stage, so that brain can learn to break out of locally trapped condition. Results exhibit monikers to engage in decision to specific neural system.

In a new world of work framework, How are organizational and behavioural decisions to making processes carried out in neurotransmitters in brain? Do researchers interpret research findings when neurological results conflict with self-report? Knowing how neurotransmitters explain little about what mind produces; what we think, what we believe and how we craft decision to. What are the general implications of neuro behavioural management? The issues that crop up are;

- What algorithms allocate sensorimotor (brain fluid waves / neurotransmitters) behaviours ?
- What mechanisms permit neurotransmitters (brain fluid waves / neurotransmitters) adapt circumstances ?
- Under what conditions brain fluid waves / neurotransmitters track computations ?
- To what extent do brain fluid wave / neurotransmitters computations generalize to decision ?
- Is there a prediction fluid wave signal ?
- How do (brain fluid waves / neurotransmitters) interact ?
- Under what circumstances do (brain fluid waves / neurotransmitters) cooperate or compete ?
- Do higher-level brain fluid waves / neurotransmitters rely similarly on multiple mechanisms ?

Quoting from Emerald;

From the organisational management's aspects:

- What are the new management challenges and responsibilities when the organisation is increasing their short-term contracts with external freelancers?
- How can organisation support their freelance contractors regarding working relationships, learning and development, career progression and psychological well-being?
- In what way the organisation can integrate their internal management strategies with external contractors' career development?
- How the digitalization tendency of gig and freelance work makes impact on contemporary organisational management strategies?
- How do all of the above impact individual, team and organisational learning?

From gig and freelance workers' perspectives:

- In what way gig or freelance workers develop their identity in response to interactions with relational others in their business?
- How can gig or freelancer workers cope with a more dynamic career pathway via self-development?

- In what way the varying and fluctuating career pathway makes impacts on gig or freelancer workers' learning, professional working relationships and psychological well-being?
- Combining above disciplines offers an interdisciplinary insight to define fundamentals of neuro - entrepreneurial fluid brain potential making. Complexly inter - linked imaging technologies, have motivated studies of internal order of mind. This research attempts to discuss findings towards understanding neuro - design and offer answers to issues in unpredictability quadrant behaviour dynamics. Research attempts appear to conclude with distinctive propositions and presents directions for future research. Research attempts aid re - thinking by providing alternative taxonomy opening new vistas for future replicative studies.

- This paper advances theoretical models grounded on an axiomatic groundwork of brain wave - based response to 'deep' bio - computational judgement. Alpha activation imaging methods show 'repeatability' and 'specificity' in showing pre - cursors to mental and arousing responses. This model of 'deep' bio - computational judgement reflects relevant findings on typical human (entrepreneurial) behaviour. Domino effect put to the fore that neural signature do not simmer down its own set of connections or neuronal region. This research calls to inquire localizable theories in its explicit neural taxonomy. Study exhibits vital findings from scientific and practitioner perspectives and explains how neuro apparatuses function in 'deep' bio - computational judgement thinking biological basis towards prototyping tectonic shifts(s) in a local loop oscillating around set of conditions. qEEG based pilot experiment is intervening in this stage as brain can learn to break out of 'locally trapped' contour. Results exhibit monikers to engage in 'deep' bio - computational judgement of specific neural system.

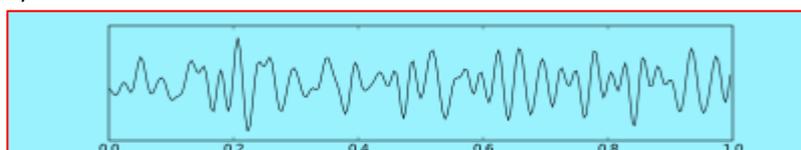
- Complexly interlinked imaging technologies has prompted new arena of research in anatomical functioning of mind and particularly brain waves. Interaction between Business and Science is not smooth with differences in perception and reasoning potentials on either side. This suggests fundamental changes in how to think, observe and generate choices. Explorations have extended from brain wave-based response soundings to stimulating shares of chromatic prospects for rational processing. Research attempts discuss findings to understand neuro - design and offer to answer issues in organizational preference dynamics. Research attempts to conclude with distinctive propositions and present directions for future research. Research attempt aid in opening new vistas for future replicative studies.

- **Conjectural Situation**

- A broad assortment of academic disciplines sought to explore algorithmic EEG - based fluid entrepreneurial judgement making, such as Cognitive Neuroscience, Psychology, Organisational Studies and Judgement. Each of these conducts research from comparatively thin archetypes, and with that develops boundaries consequent with pure disciplinary research. The incipient arena of neuro-judgement seems to offer mutual philological, model and exercise from which to better comprehend this humanoid behaviour. Scientific understanding of mind is not conceivable from corporeal understanding of brain. Initial step encompasses neutral explanation and scrutiny of how concentration works within home or context of brain functions. Algorithmic EEG - based fluid entrepreneurial judgement making is critical for entrepreneurs. Reasoning and moulds that reinforce algorithmic EEG - based fluid entrepreneurial judgement making are substantial when constructing and implementing stratagems.

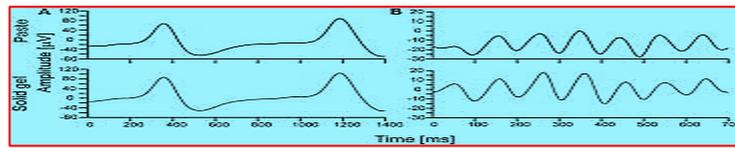
- In above scenario, pertinent issues were; How to shape reasonable and explainable representations that can aid EEG - based fluid entrepreneurial judgement making? How to ensure that models and their elucidations are vigorous to confrontational spells? How to train and gauge replicas in the existence of misplaced counterfactuals? How to spot and correct fundamental inclines in EEG - based fluid entrepreneurial judgements and algorithmic calculations? Nevertheless, with substantial expansions, question of how we make algorithmic EEG - based fluid entrepreneurial judgements stays to spot substantial trials for logical investigations. Instituting an algorithmic EEG - based fluid entrepreneurial judgement conjectures that there is a substitute optimal to be factored.

- Brain waves emanate in structure of electrical activities, repeatedly firing and emanating some impulses in varying degrees. These have been categorised into four classifications; Beta, Alpha, Waves, Waves and Delta Waves, respectively. Beta Waves (rhythm) are a string of neuronal alternation exhibiting incidence of between 12.5 and 30 Hz (or, 12.5 to 30 sequences per second. As per scientific evidences, these waves can be on an auxiliary basis scored apart into three segments: Low Beta rays (12.5 - 16 Hz or Beta 1), Beta Waves (16.5 - 20 Hz or Beta 2) and High Beta Waves (20.5 - 28 Hz or Beta 3). These are connected to energetic, eventful or apprehensive thoughtful impulses and lively attentiveness.



- **Courtesy:** Wikipedia / Images

- Alpha Waves (rhythms) is a string of neuronal alternation in the rate of recurrence assortment of 8 - 12 Hz initiating commencing synchronic mode along with comprehensible electrical motion of thalamic pacer compartments in the human body. Brain harvests alpha waves, as it is in a milieu that is calm and soporific. This is where one experiences these when undertaking anxiety-releasing actions.



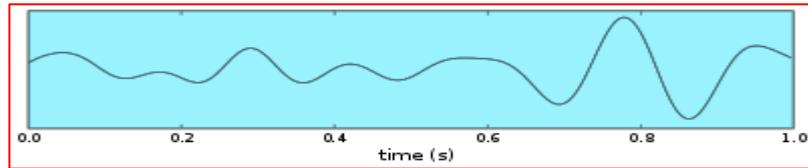
• **Courtesy:** Wikipedia / Images

• A Gamma Wave (or Rhythm) is a neuronal configuration of swings that exhibit a frequency range between 25 and 140 Hz. These swings are interrelated with large gauge brain grid motion and cerebral singularities such as perceptual assemblage,



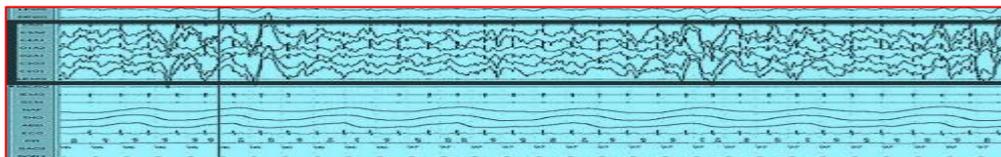
• **Courtesy:** Wikipedia / Images

• Theta Waves (or rhythm) are a neuronal outline (classified as 'leisurely' action) of swipes that display a frequency range of 4 -7 Hz range. Such curves are observed in a state of worry, behavioural stimulation and behaviour self-consciousness.

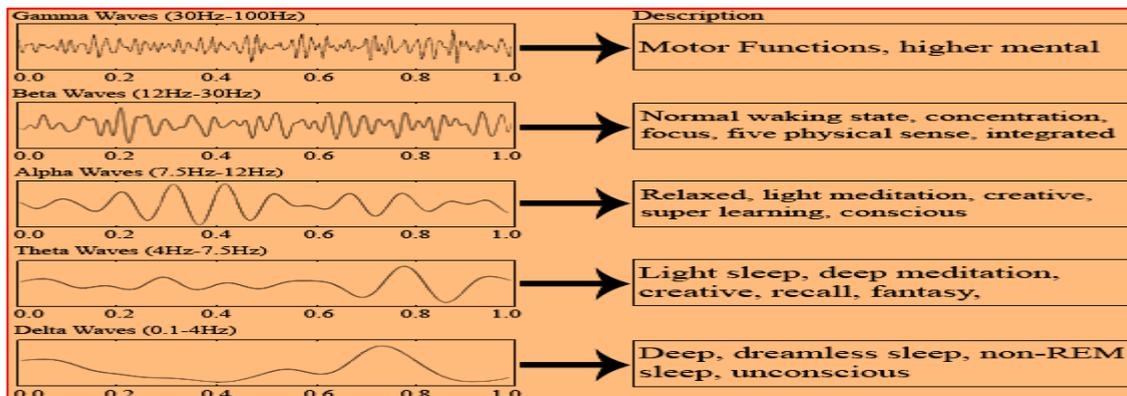


• **Courtesy:** Wikipedia / Images

• Delta Waves (or rhythm) is a neural framework portraying oscillations with occurrence between 0.5 and 4 Hz. These rhythms are associated with subterranean slumber phases.



• **Courtesy:** Wikipedia / Images



• **Courtesy:** Wikipedia / Images

• Making fluid entrepreneurial judgements in judgement always involves a certain degree of risk, as complete knowledge of all possible alternatives is rarely available. Despite significant progress, the process of making economic entrepreneurial judgements using EEG-based methods still presents a critical challenge for systematic research. Researchers must consider limitations and possibilities in current environment, as well as opportunities and constraints related to the process of forecasting and future foresight. What heretical approaches could be used to counter these challenges? One promising approach to neuro-judgement is neuro-transmitters in brain waves, which can shed light on functional responsibility. Specifically, the use of Alpha waves can provide insight into mindful perspectives, presenting a new approach to understanding complex economic entrepreneurial judgements.

• Furthermore, Alpha - based entrepreneurial judgement is often contrasted with cognitive - based brain potential, which refers to the knowledge and skills that an individual has acquired through education and experience. While cognitive - based brain potential is important for performing well in specific domains, such as reading comprehension or vocabulary, Alpha - based entrepreneurial judgement is more general and can be applied to a wide range of situations. Therefore, individuals with higher levels of Alpha - based entrepreneurial judgement may be better equipped to handle new or unfamiliar situations, while those with higher levels of cognitive - based brain potential may excel in areas where knowledge and experience are more important. Overall, understanding the key areas of Alpha - based entrepreneurial judgement and how they relate to other aspects of cognition can help individuals identify their

strengths and weaknesses and develop strategies for improving their overall cognitive functioning. By focusing on activities that challenge and develop these key areas, individuals can enhance their problem-solving skills, adaptability, and ability to learn and innovate.

- To enhance individual's reasoning, abstract thinking, problem-solving and adaptability skills, focus is on developing Alpha-based entrepreneurial judgements. This approach aimed to equip individuals with cognitive tools that can help navigate through complexities and uncertainties in world around them. Alpha-based entrepreneurial judgements can assist in learning, entrepreneurial judgement making, and creating new ideas in unique ways, without need for prior knowledge or experience. The ultimate objective is to enable individuals to effectively process and respond to new information and situations, and to adapt thinking and behaviour accordingly. Improving Alpha-based entrepreneurial judgements can lead to developing cognitive flexibility and agility, which are vital to thriving in a rapidly changing world.
- Scrupulously, aim and objective of Alpha-based entrepreneurial judgements are to enable individuals to think critically, creatively, and adaptively, and apply their reasoning and problem-solving skills in wide range of contexts and situations. By doing so, individuals can enhance their cognitive functioning and attain better achievement in individual and professional existence. Furthermore, it's significant to make a note of that Alpha - based entrepreneurial judgement is distinct from cognitive - based brain potential, which involves acquired knowledge and skills based on prior experiences and education. While both are important for overall cognitive functioning, Alpha - based entrepreneurial judgement is particularly important for navigating novel situations where prior knowledge may not be applicable.
- Research suggests that Alpha - based entrepreneurial judgement is influenced by amalgamation of hereditary and ecological factors. While genetics play role in individual's baseline level of Alpha - based entrepreneurial judgement, environmental factors can influence Alpha - based entrepreneurial judgement development and improvement. Studies have demonstrated that Alpha-based entrepreneurial judgement tends to peak in early adulthood and gradually declines with age, although it is possible to mitigate this decline through continued cognitive stimulation and engagement in challenging activities. In conclusion, objective of Alpha-based entrepreneurial judgements are to equip individuals with the cognitive tools necessary to adapt to new situations, solve problems, and innovate in new and creative ways.
- Advances in neuroscience and cognitive psychology may provide new insights into underlying neural mechanisms of Alpha-based entrepreneurial judgements, and how they can be improved or enhanced. For example, neuroimaging studies may help better understand brain regions and networks involved in Alpha - reasoning and problem-solving, which could lead to development of new interventions or training programs. There is increasing interest in potential role of technology, such as artificial brain potential and machine learning, in enhancing Alpha-based entrepreneurial judgements. Some researchers are exploring use of intelligent tutoring systems or adaptive learning technologies that provide personalized feedback and support to learners, which may enhance problem-solving and reasoning skills.
- Overall, future of Alpha-based entrepreneurial judgements is likely to be shaped by ongoing advances in neuroscience, cognitive psychology, and technology. By continuing to investigate and understand underlying mechanisms of Alpha-based entrepreneurial judgements, researchers may be able to develop new interventions or approaches that can help individuals enhance cognitive abilities and adapt to new challenges and opportunities. Alpha - based entrepreneurial judgement could have significant implications for how we approach cognitive abilities. Moreover, as the world becomes more complex and dynamic, Alpha-based entrepreneurial judgements may become increasingly important for success in various domains, such as business, science, and technology. As such, individuals who possess strong Alpha-based entrepreneurial judgement skills may have competitive advantage. However, it is important to recognize that there may be ethical and social implications associated with enhancing Alpha-based entrepreneurial judgements.
- In wrapping up, research attempt on Alpha-based entrepreneurial judgement provide with valuable insights into human mind and its capacity for problem-solving and learning. As we have seen throughout this paper, Alpha - based entrepreneurial judgement is an important cognitive ability that is strongly correlated with academic and professional success, and it is a key component of general brain potential. Through our exploration of various theories and research findings, we understand that Alpha-based entrepreneurial judgement is not fixed and unchangeable, but rather can be developed and enhanced through certain types of training. This suggests that with a right approach and effort, we can all improve Alpha-based entrepreneurial judgement and achieve full cognitive potential. Additionally, understanding of Alpha-based entrepreneurial judgement has practical implications for fields connected to neuroscience and artificial brain potential. As we continue to advance knowledge of Alpha-based entrepreneurial judgements, we can expect to see new insights and innovations that will further understanding of human mind and its remarkable abilities.
- In a brain knowledge - oriented 'deep' bio - computational judgement milieu, each individual can benchmark, control, regulate, optimise and condition his cognition and mental processes. Individual can do this using copious neuro-technologies and psycho-active constituents. This state of 'cognitive liberty' may require 'Deep Brain Stimulation'. Significant finding of this research is that any entrepreneur endeavours to address 'deep' computational judgements through neuro - circuits utilizing 'neuro - drivers'. This research paper offers a 'Golden Anchorage' of how entrepreneurs can make 'deep' computational judgements in future. Paper deals with archetypal portrayal of scholarship that resolves to be a character of voyaging imminent techno-scientific and computational judgement inclinations and renaissance.

Conclusion

Paper raises neuro - based decision issues, theoretical and practical, based on both normative and descriptive levels of analysis in a new world of work framework. This research enhances scientific understanding of biological processes as significant element in decision strategy. Research efforts conclude with characteristic schemes and presents directions for future research; Trail Making Trial (TMT), Verbal Fluency Trial, Clock Drawing Trial (CDT), Digits Forward and Backward Subtests Stroop Trial and Wisconsin Card Sorting Trial (WCST). Paper concludes, in a New World of Work framework, with number of propositions that have been generated from theoretical 'mosaic' and presents directions for future research. Emphasis is upon rethinking foundations of decision dynamics by providing alternative taxonomy for decision problems.

Fluid brain power refers to individual's ability to solve problems, reason, and think abstractly, and is crucial for adapting to complex situations. This cognitive ability has been extensively studied in fields such as Psychology, Neuroscience, and Cognitive Science, and has been linked to various measures of brain structure and function. While exact neural mechanisms underlying fluid brain power are not fully comprehensible, research suggests that it involves complex interactions between different brain regions and complex inter-relations. Recent studies depict a phenomenon that fluid cerebral power is not a fixed trait and can be improved through various interventions. Neural efficiency hypothesis suggests that individuals with higher fluid brain power are more efficient in their use of neural resources, allowing them to perform complex cognitive tasks with less effort. Other studies have explored the role of genetics in fluid brain power and have identified specific genetic variants associated with it. Cognitive training, physical exercise, and mindfulness meditation are some of the interventions that have been studied to improve fluid brain power. While progress has been made in understanding factors that contribute to individual differences in fluid brain power, much remains to be learned about how it can be improved and how it relates to other aspects of cognitive functioning. Research attempt of fluid brain power continues to be an active and exciting area of research with implications for various domains such as education, occupational training, and cognitive enhancement.

Focal intention of this Paper was to build up neuro-entrepreneurial feedback organism using brain waves (EEG) to monitor neurobiological processes involved in entrepreneurial judgement making. The research attempt aimed to address two research questions:

- (1) How do entrepreneurs make judgements using neurofeedback?
- (2) Which part of brain is involved in EEG-based fluid judgement?

One major challenge faced by EEG-based fluid entrepreneurial judgement-makers is difficulty of quantifying their choices, as described by 'Matching Law,' which refers to comparative reaction velocity on simultaneously accessible option that counterpart presented qualified corroboration levy. To simplify complex entrepreneurial judgement making situations, individuals engage in adaptive and strategic simplifications. Conversely, neural mechanisms to facilitate silhouette and put into practice these line of attack linger for the most part anonymous. While neuro-transmitters in brain determine precise entrepreneurial judgement aspect, diminutive is known on the subject of how they opt for among manifold tactic for the computational stress of multifarious EEG-based fluid entrepreneurial judgement. This research aimed to model neuro-entrepreneurial brain potential by integrating evidence from neuro-transmitters (electroencephalography) and using psycho-neuroeconomic modelling approach. The research attempt aimed to expand foundation for using computational models to complement and explain results from human subject experiments, capturing regularities observed in experimental data. Research attempt aimed to monitor dynamics of neuro-transmitters in brain wave drivers to understand chess-board vibrant circumstances milieu with the objective of (a) embryonic prototype of unorthodox assessment and (b) connecting procedural dissimilarity to facilitate communiqué about EEG-based fluid entrepreneurial judgement beneath real-world constriction of narrow time, information, and computation instruct. Focal point was to understand;

- Neural processes underlying complex cognition - economic capacities via neuro - signatures,
- Understand mechanisms using functional neuroimaging methodologies.
- Integrate inter-disciplinary neuro - signatures.

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