EXPLORATIONS IN PRE - FRONTAL CORTEX SKYJACK

V - 04

The pre - frontal cortex, a small almond-shaped structure located deep within the brain's temporal lobes, is a critical component of the limbic system, which is responsible for processing emotions, regulating emotional responses, and encoding emotional memories. While the pre - frontal cortex plays a crucial role in various aspects of human behavior and cognition, its influence on estimate-making processes, particularly in decision settings, has garnered increasing attention in recent years. The pre - frontal cortex's involvement in estimate-making can be attributed to its three primary functions emotional processing, fear (fight, fright and / or flight) and anxiety responses, and emotional memory. These functions have significant implications for how individuals, including leaders and managers within organizations, perceive and respond to various situations, ultimately shaping their estimate-making processes. This task has been instrumental in studying estimate making processes in various populations, including those with pre - frontal cortex, ventromedial prefrontal cortex, shedding light on neural mechanisms underlying complex estimate-making behaviors.

PROTOCOL ARCHITECTURE

The pre - frontal cortex, a key component of the limbic system, plays a pivotal role in processing emotions, regulating emotional responses, and encoding emotional memories. This research paper explores how the pre - frontal cortex's functions influence estimate-making processes within decision settings, with a particular focus on the impact on leader well-being and productivity. The paper examines potential concerns and challenges associated with the pre - frontal cortex's influence, such as heightened stress, anxiety, and emotional deregulations, which can lead to suboptimal estimate-making and decreased productivity. Strategies for enhancing well-being, promoting positive cognitive health, and fostering a supportive organizational culture are discussed. Additionally, recommendations and implications for organizational leaders and stakeholders are provided, emphasizing importance of incorporating emotional intelligence



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

Protocol Architecture Each dataset contains 2.5 minutes of eyes-open and 2.5 minutes of eyesclosed 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';'F C1';'C1';'C3';'C5';'T7';'TP7';'CP5';'CP3';'CP1';'P1';'P3' ;'P5';'P7';.

'P9';'P07';'P03';'01';'lz';'Oz';'P0z';'Pz';'CPz';'Fpz'; 'Fp2';'AF8';'AF4';'Afz';'Fz';'F2';'F4';'F6';'F8';'FT8';'FC 6';'FC4';'FC2';'FCz';'Cz';...

'C2';'C4';'C6';'T8';'TP8';'CP6';'CP4';'CP2';'P2';'P4';'P 6';'P8';'P10';'P08';'P04';'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 eyesclosed state. The pre - frontal cortex's functions as a cognitive tripod, encompassing emotional processing, fear (fight, fright and / or flight) and anxiety responses, and emotional memory, play a pivotal role in shaping estimate-making processes within decision settings. While the pre - frontal cortex's influence can be beneficial in certain contexts, it can also present challenges that may negatively impact leader wellbeing, productivity, and organizational performance.

programs to mitigate potential adverse effects of pre - frontal cortex-driven estimate-making.

training, mindfulness practices, and leader assistance



📕 Left eye 🔳 Right eye

• 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.

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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4.89438202 C11.315	5.60224719 12.18539	6.06741573 13.156179	6.06741573 C14.834	6.06741573 16.18988
4.71235955 16.18988	3.03370787 C16.1898	1.35505618 14.834831	0	0
			13.1561798	C11.4775281

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<!-- Generator: Sketch 42 (36781) - http://www.bohemiancoding.com/sketch -->

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REPRESENTATIVE PROTOCOL



- 200					
2.7 1.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0 10.1224719	1.35505618 10.12247	3.03370787 C10.12247	3.43820225 10.20337	3.84269663 10.34494
	4.18651685 L5.43033	7.05842697 C4.86404	6.3505618 4.01460674	5.88539326 3.043820	5.88539326 C1.36516
	5.88539326 0.0101123596	7.24044944 0.0101123596	8.91910112 C0.0101123596	10.5977528 1.365168	11.952809 3.0438202
an political	11.952809 C4.014600	11.952809 4.8842696	11.4876404 5.4303370	10.7797753 L10.3449	13.6314607 C10.2033
	13.9752809 10.12247	14.3797753 10.12247	14.7842697 C10.12247	16.4629213 11.47752	17.8179775 13.15617
	17.8179775 C14.8348	17.8179775 16.18988	16.4629213 16.189887	14.7842697 C16.1898	13.105618 14.834831
	11.7505618 13.15617	11.7505618 M13.1561798	0.829213483 C14.3898	0.829213483 15.3808	1.82022472 15.38089
	3.05393258 C15.3808	4.28764045 14.38988	5.27865169 13.156179	5.27865169 C11.9224	5.27865169 10.93146
	4.28764045 10.93146	3.05393258 C10.9314	1.82022472 11.922471	0.829213483 13.1561	0.829213483 M3.04382022
	11.1438202 C1.8101	11.1438202 0.819101	10.152809 0.81910112	8.91910112 C0.819101124	7.68539326 1.810112
	6.69438202 3.043820	6.69438202 C4.27752	6.69438202 5.2685393	7.68539326 5.268539	8.91910112 C5.26853
	10.152809 4.2775280	11.1438202 3.043820	11.1438202 M13.1561	17.0089888 C11.9224	17.0089888 10.93146
ALC I	16.0179775 10.93146	14.7842697 C10.9314	13.5505618 11.922471	12.5595506 13.15617	12.5595506 C14.3898
	12.5595506 15.38089	13.5505618 15.38089	14.7842697 C15.38089	16.0179775 14.38988	17.0089888 13.15617
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Keywords Pre - Frontal Cortex, Estimate-Making, Emotional Responses and Cognitive Health