

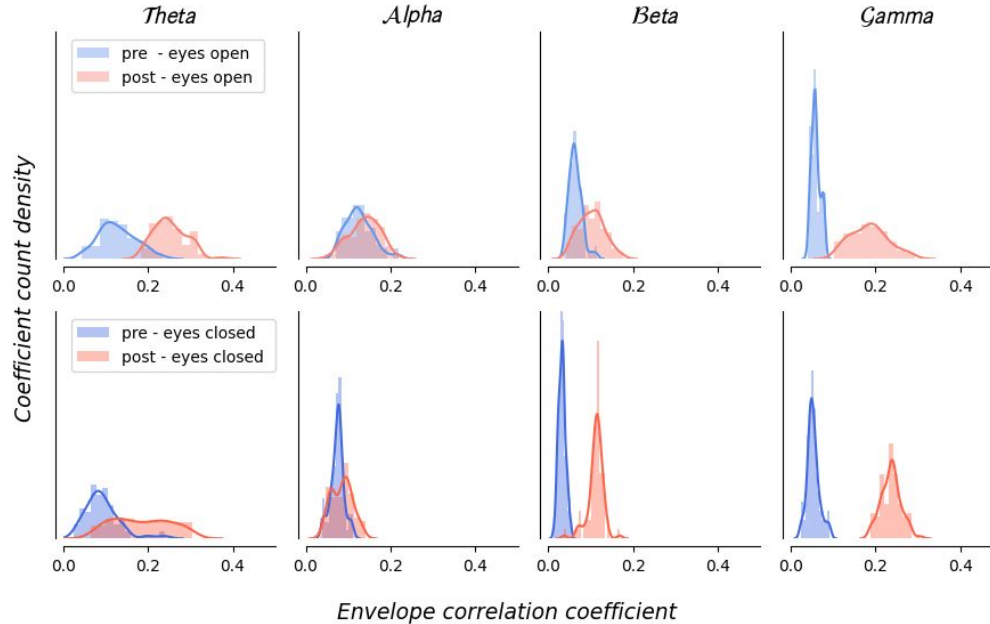
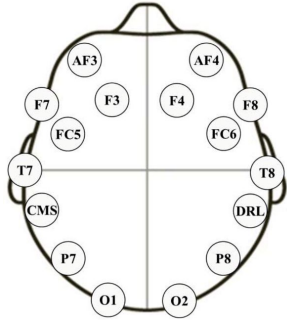
## Preliminary Results



# Power Envelope Correlation Coefficient – A functional connectivity metric computed on orthogonalized signals.

Single subject analysis on emotiv 14.

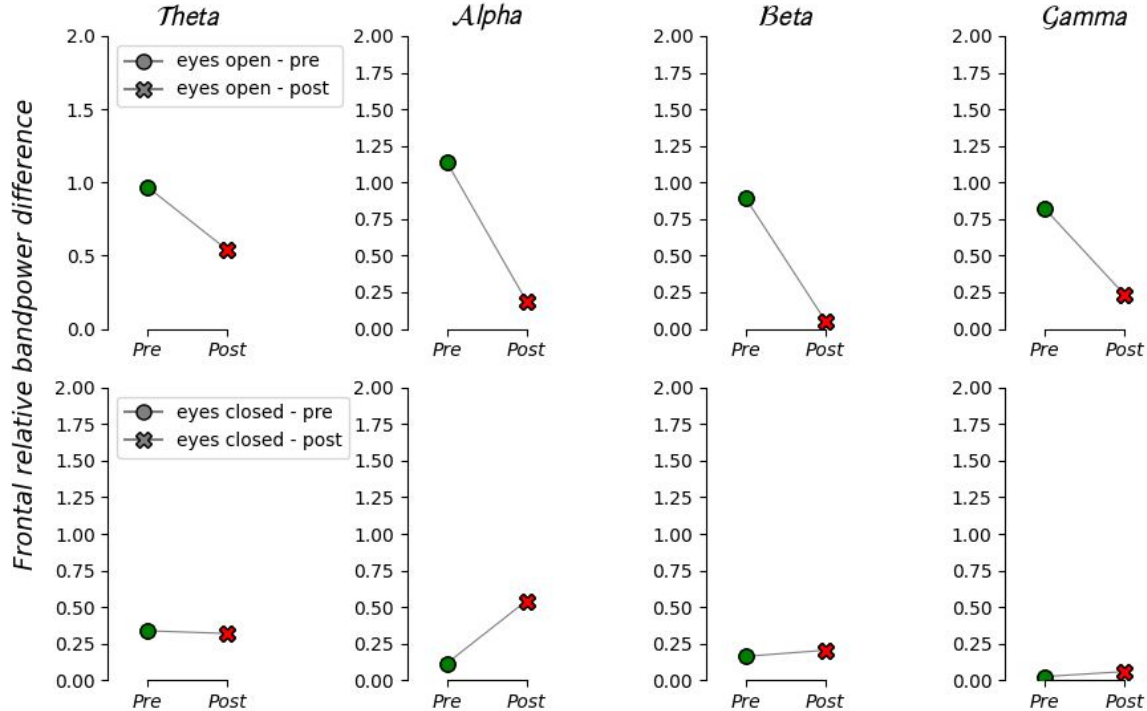
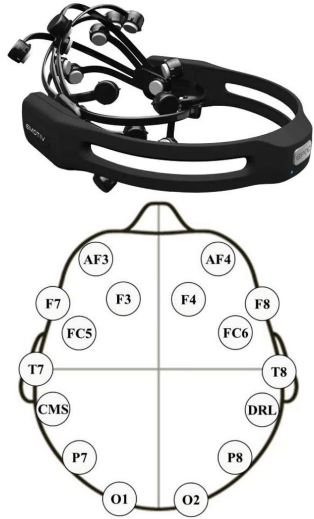
Modulation of power-envelope correlation coefficient under 5-MeO-DMT.



# Frontal Asymmetry Modulation – A well established biomarker

Single subject analysis on emotiv 14.

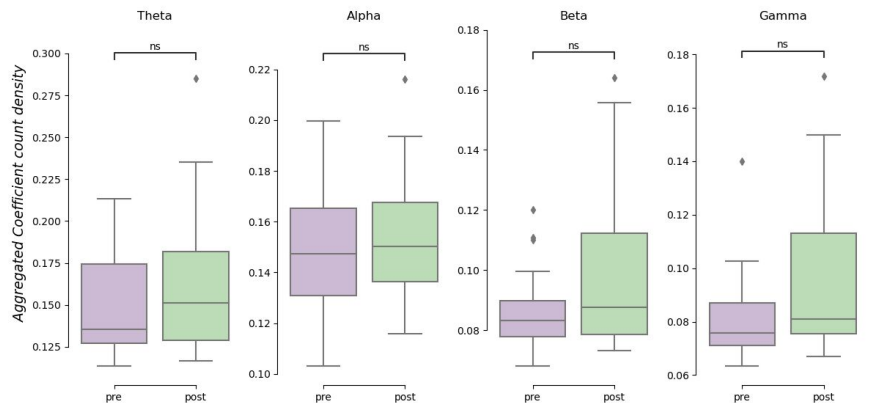
Modulation of frontal asymmetry under 5-MeO-DMT.



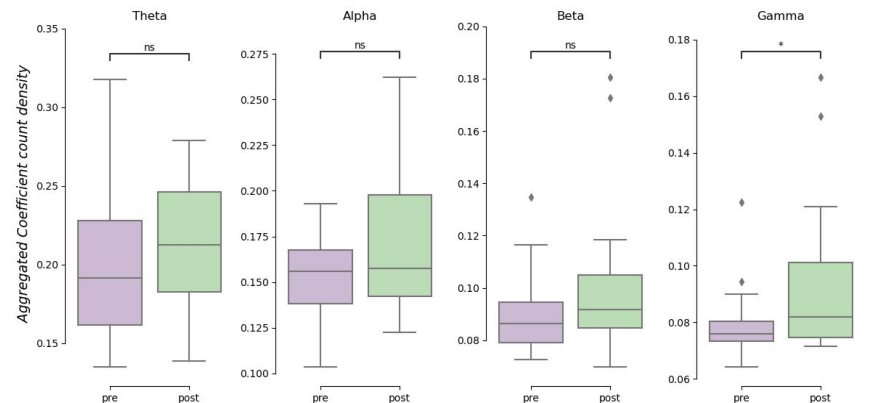
# Power Envelope Correlation Coefficient – No group level effects.

N=23, analysis on emotiv 14.

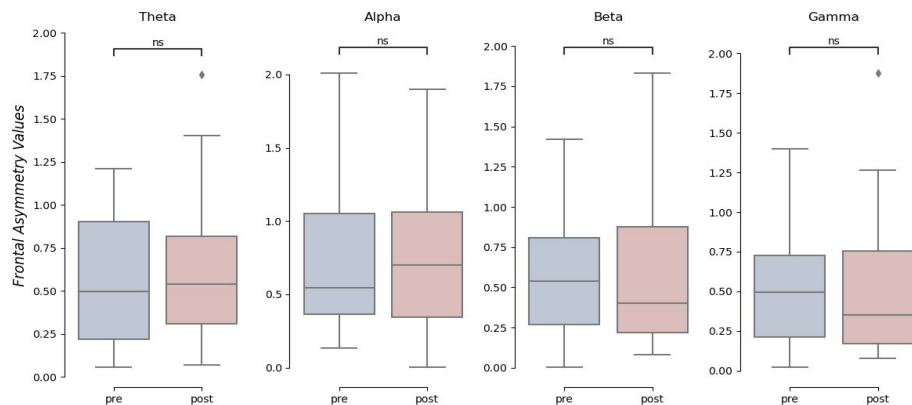
Group level Modulation of power-envelope correlation coefficient under 5-MeO-DMT - ('preprocessed', 'eyes\_open').



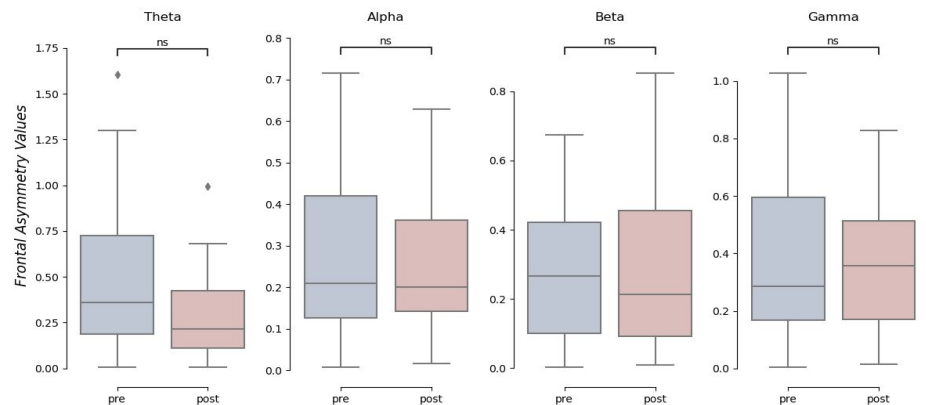
Group level Modulation of power-envelope correlation coefficient under 5-MeO-DMT - ('preprocessed', 'eyes\_closed').



Group level Modulation of frontal asymmetry under 5-MeO-DMT - ('preprocessed', 'eyes\_open').

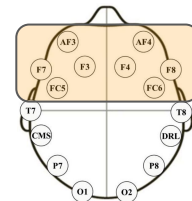


Group level Modulation of frontal asymmetry under 5-MeO-DMT - ('preprocessed', 'eyes\_closed').

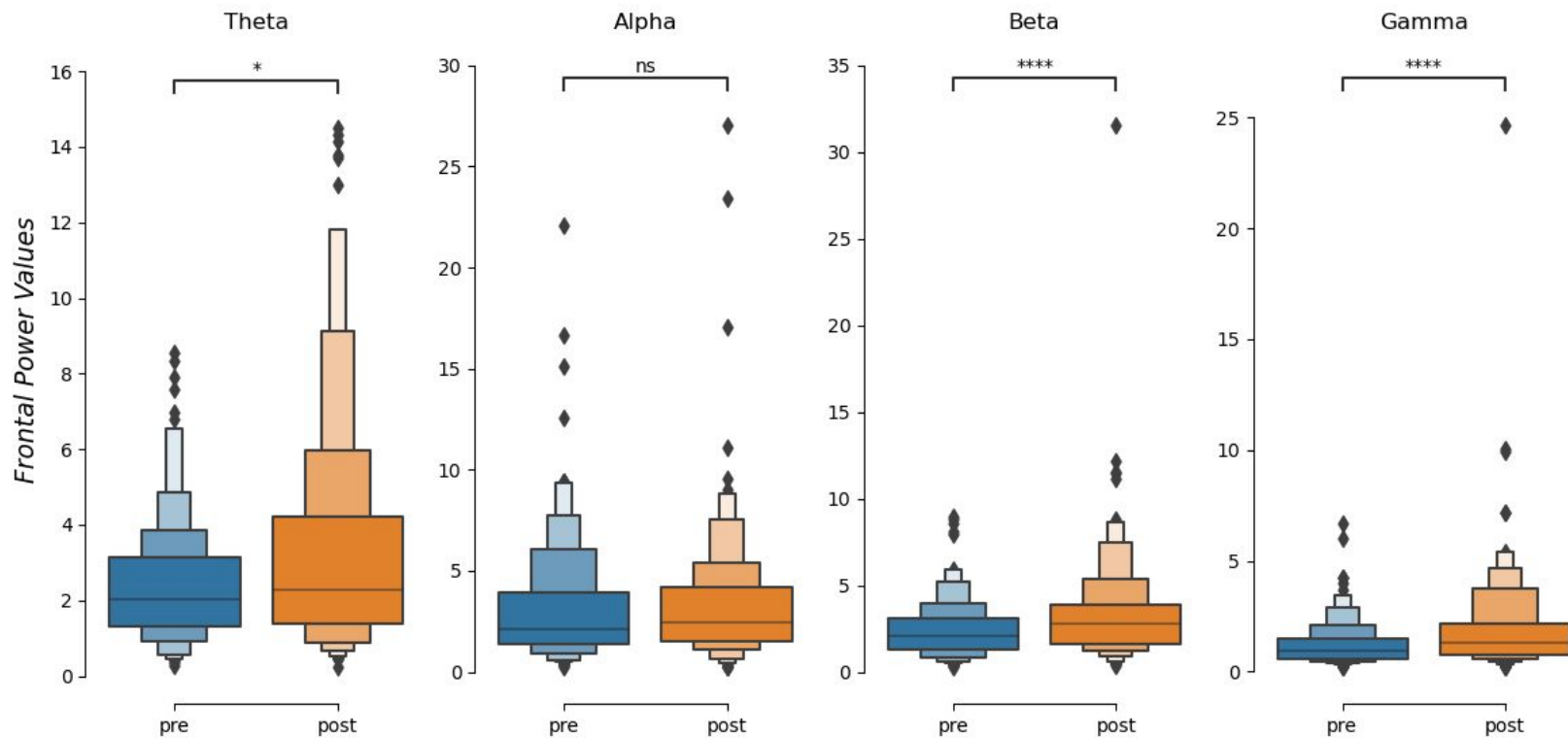


# Frontal band power Modulation: **Robust group level effects.**

N=23, analysis on emotiv 14.



Group level Modulation of frontal bandpower under 5-MeO-DMT - ('preprocessed', 'eyes\_open').



**MICROSTATES:** Stability of transition matrix (diagonal) shows significant group level effects.

**Future Steps— Will assess feasibility as treatment effect biomarkers**

