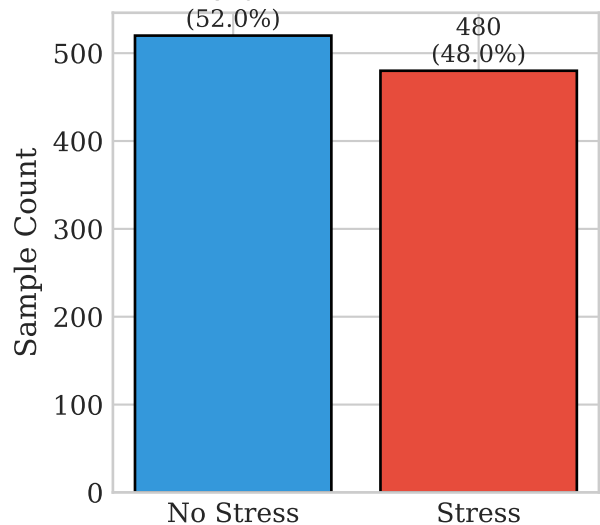
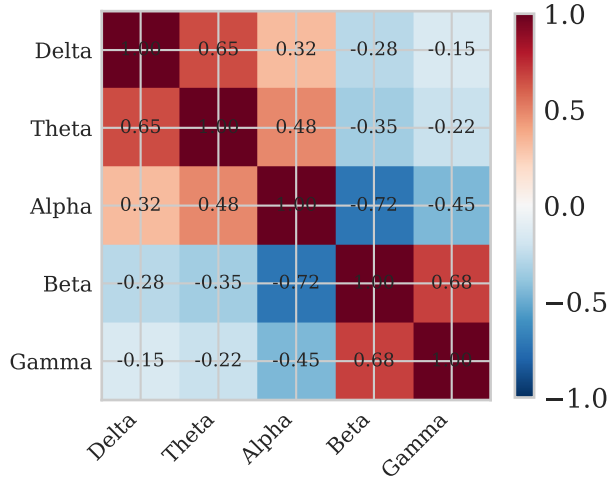


# Exploratory Data Analysis (EDA) Dashboard

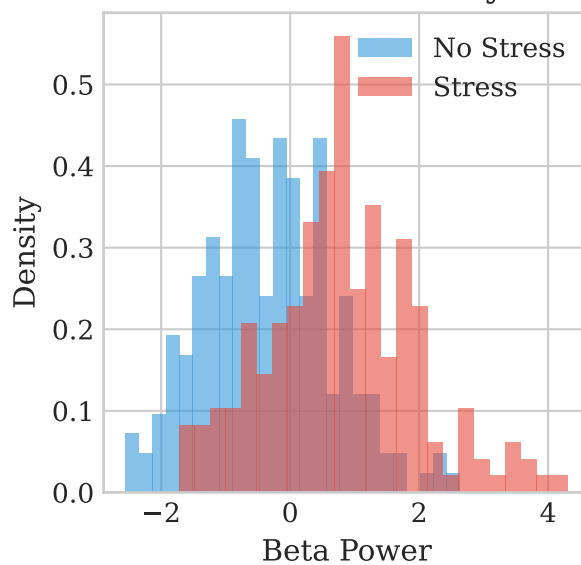
## Class Distribution



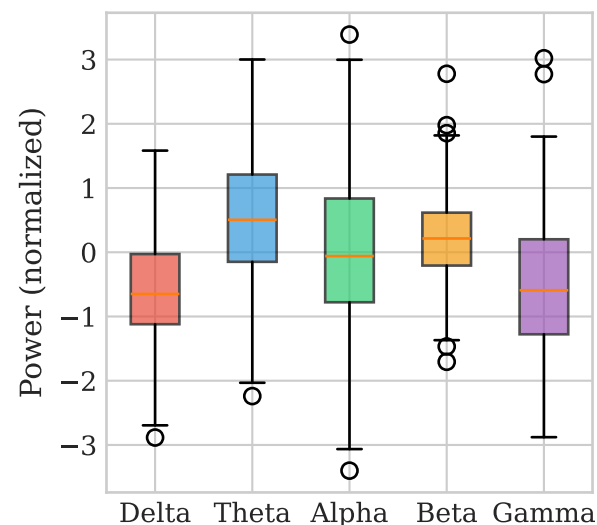
## Feature Correlation



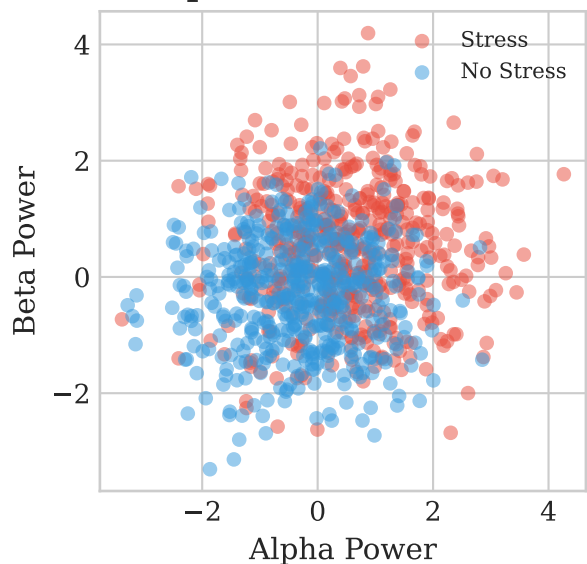
## Feature Distribution by Class



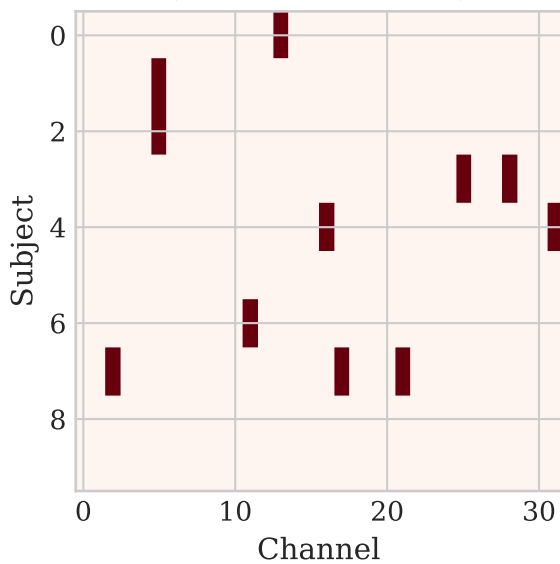
## Feature Box Plots



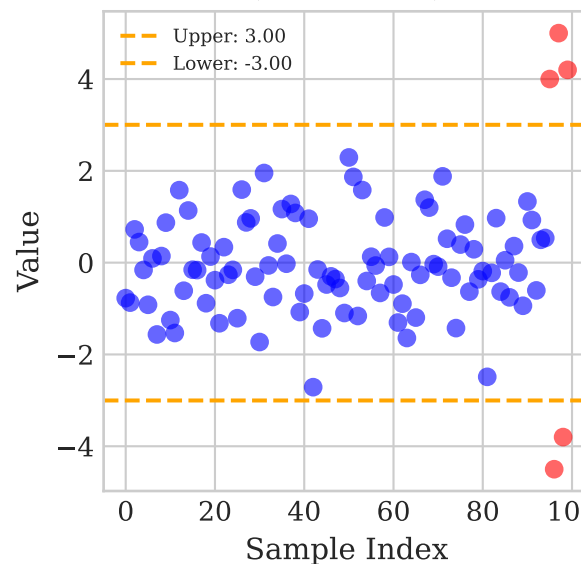
## Alpha vs Beta Scatter



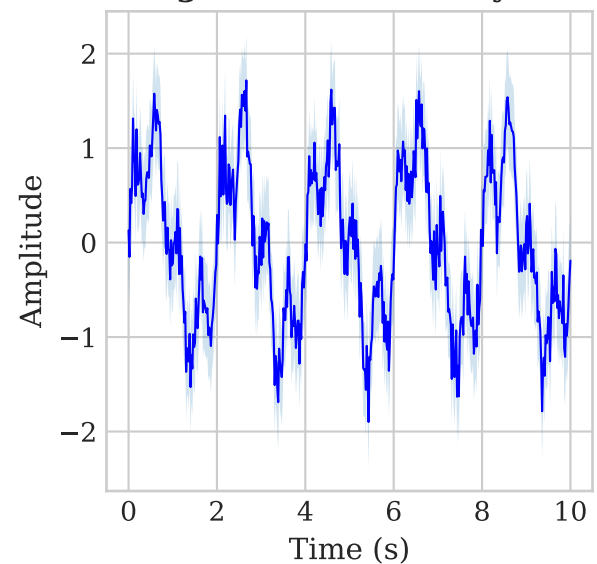
## Missing Values (11 / 320 = 3.4%)



## Outlier Detection (5 outliers)



## Signal Pattern Analysis



## Dataset Summary Statistics

Statistic	DEAP	SAM-40	WESAD
Subjects	32	40	15
Samples	1,280	1,200	984
Channels	32	32	32
Sample Rate	128 Hz	128 Hz	700 Hz
Duration	60s	120s	~120min
Classes	2	2	3
Imbalance	1:1	1:1.2	1:1:1

## PCA Variance Analysis

