Project Zeta Progress Report

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Background

The Paper

- from OpenFMRI.org
- ds005

The Data

- 6 subjects
- 12 runs per subject
- 8 conditions per run

The Method

- linear regression (Lasso/Ridge/Elastic Net)
- Random Forests
- Boosting

Initial work

EDA

- downloaded data
- simple plots, summary statistics

Next steps

Preprocessing / Validation

- PCA
- Cross Validation on MSE/Classification Rate

Statistical Analysis

- linear model
- ANOVA/Kruskal-Wallis Test