Numerai Competition



Problem statement

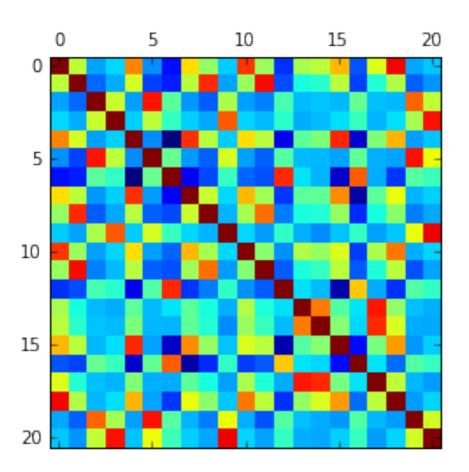
- Perfectly balanced binary classification
- Anonymized 21 features
- Data changes every week

Data leakage

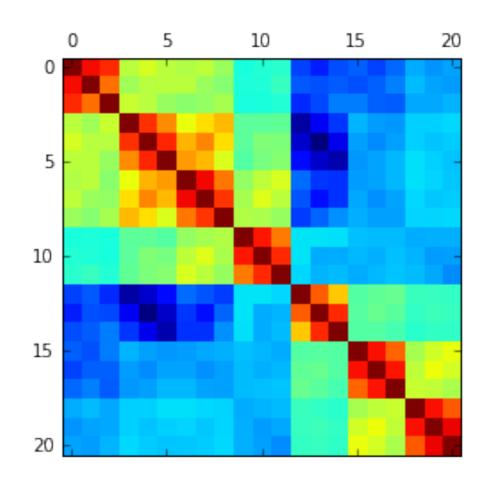
- Allegedly time series
- Target variable depends on changes between each point (think of returns)
- Approximate reconstruction of true order via nearest neighbourhood analysis
- Top 10 via logistic regression on 21 original features + 21 features from nearest neighbour

Hardcore EDA

Correlation matrix

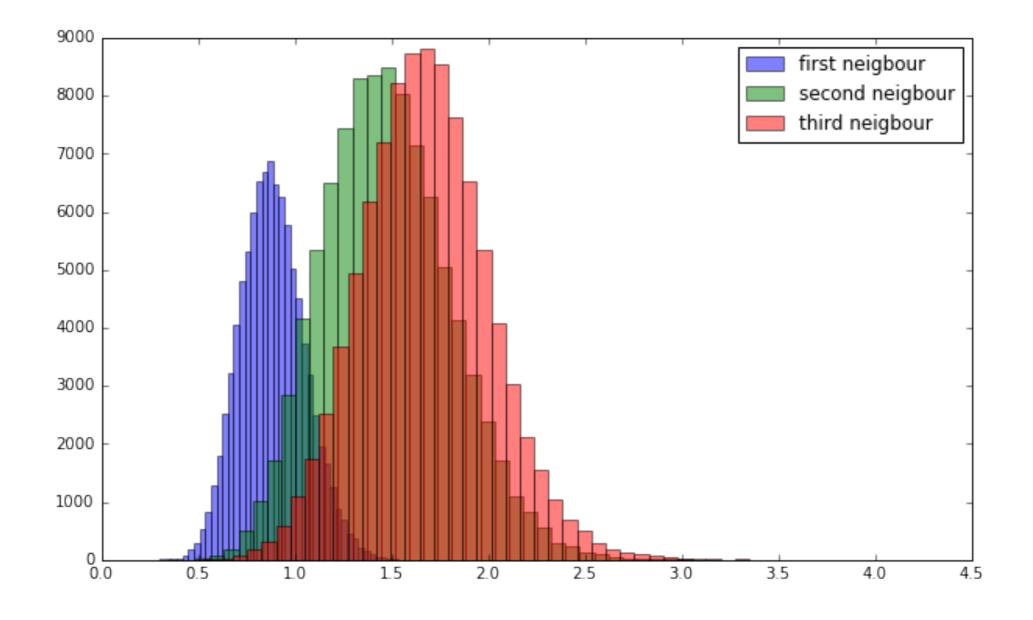


Sorted correlation matrix



Hardcore EDA

Distribution of distances to the first 3 neighbors in previous weeks data



Hardcore EDA

0.045

0.040

0.035

0.030

0.025

0.020

New data is a lie



Thank you!