

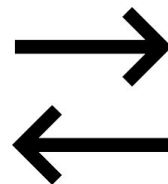
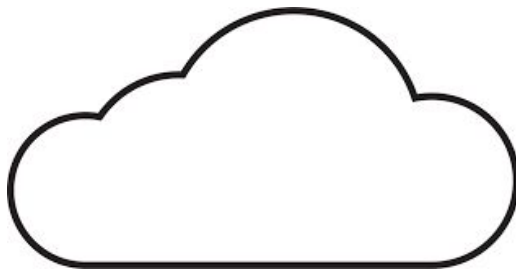
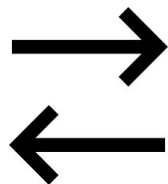
Movie Actor Linear Regression

Capstone 1

Which star should you hire for your next big movie?



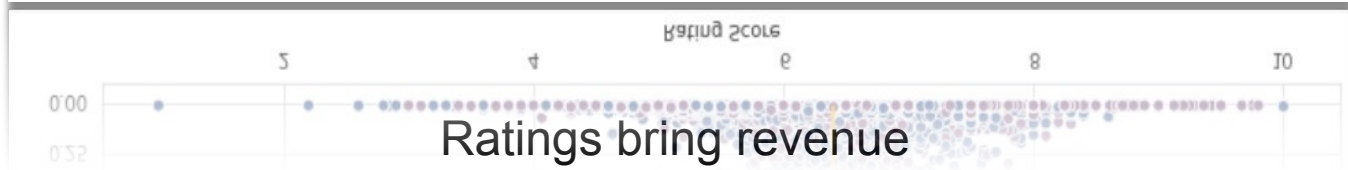
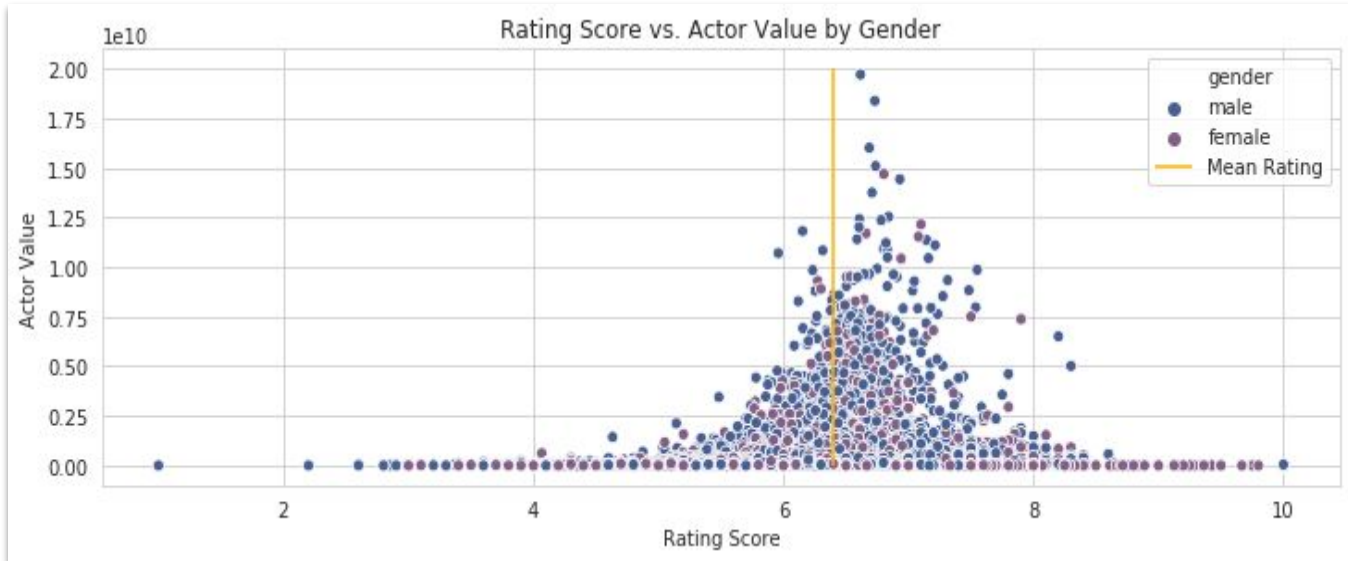
API Requests



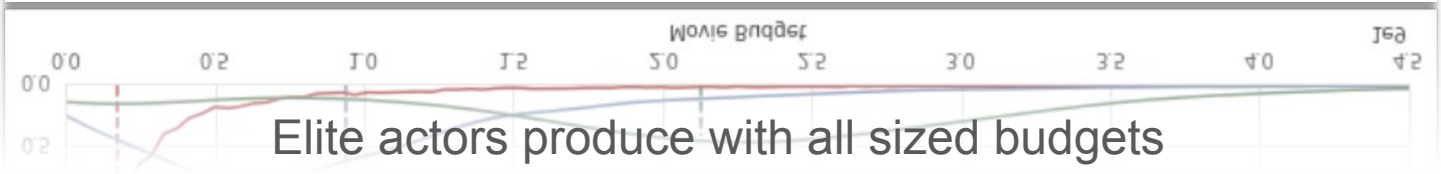
150 hours later

Data Story

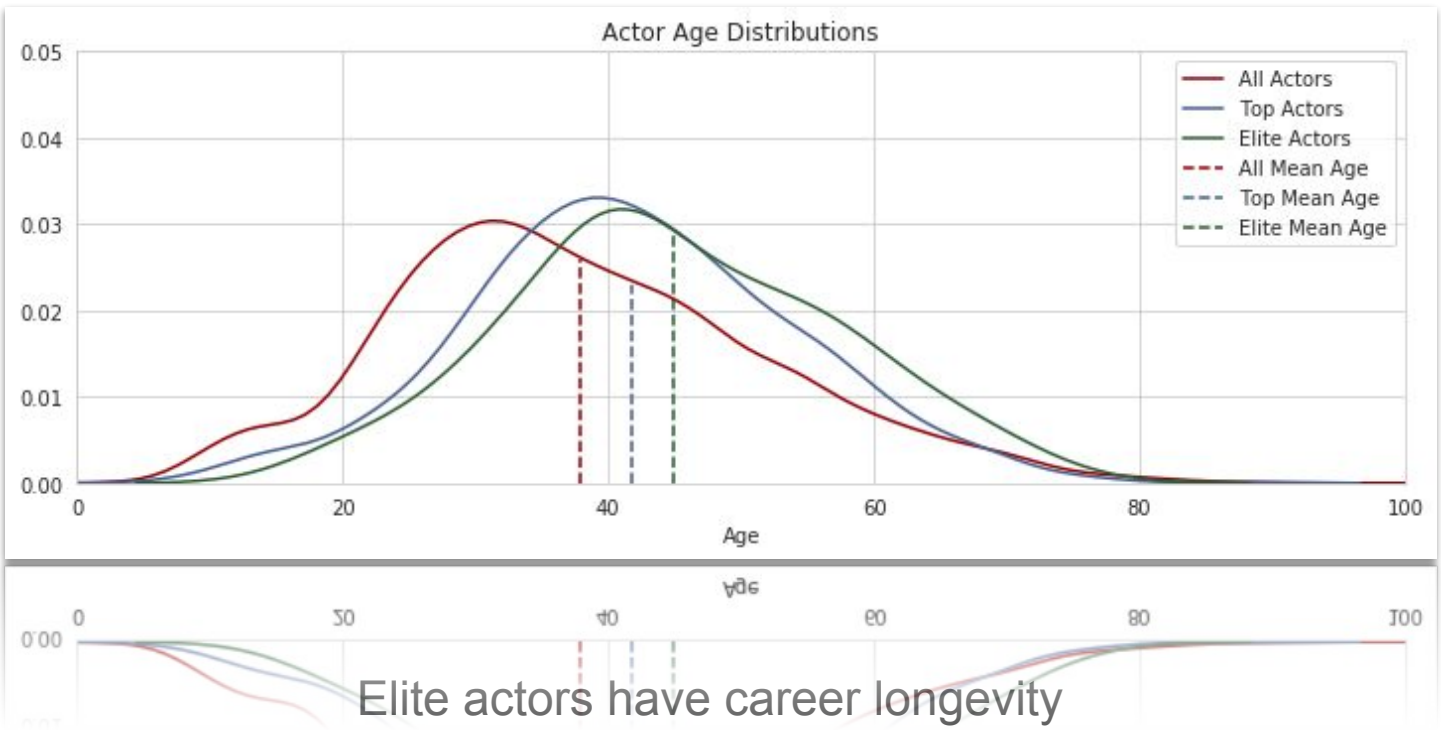


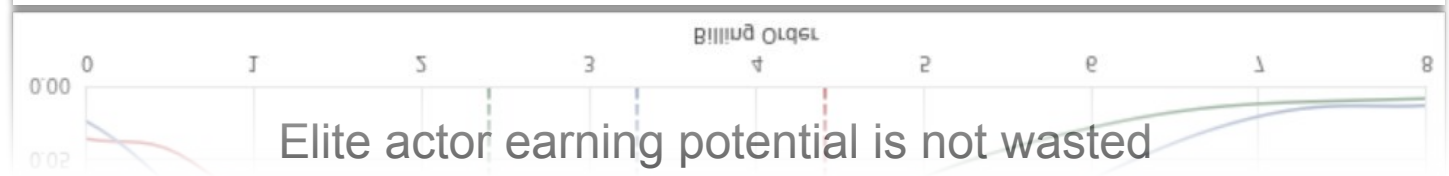


Ratings bring revenue

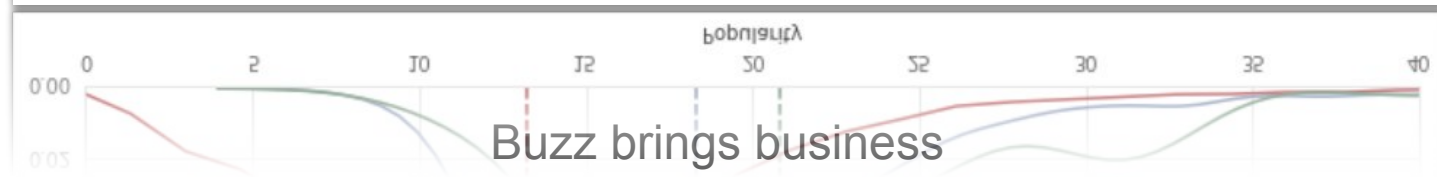
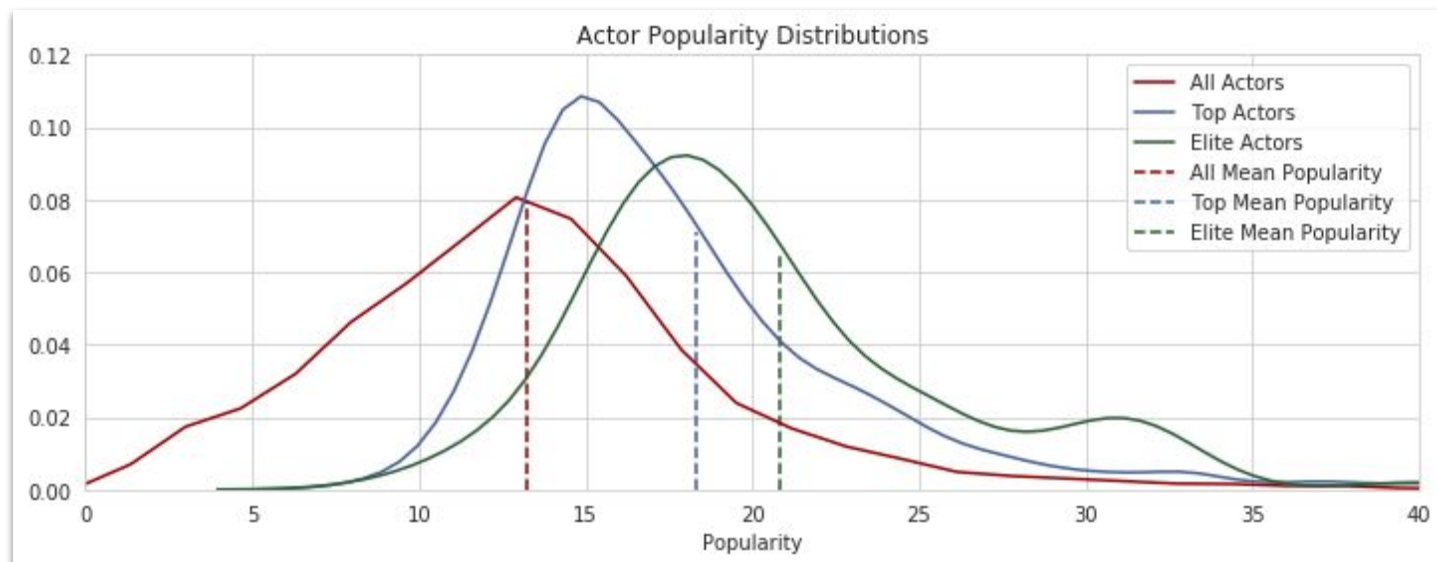


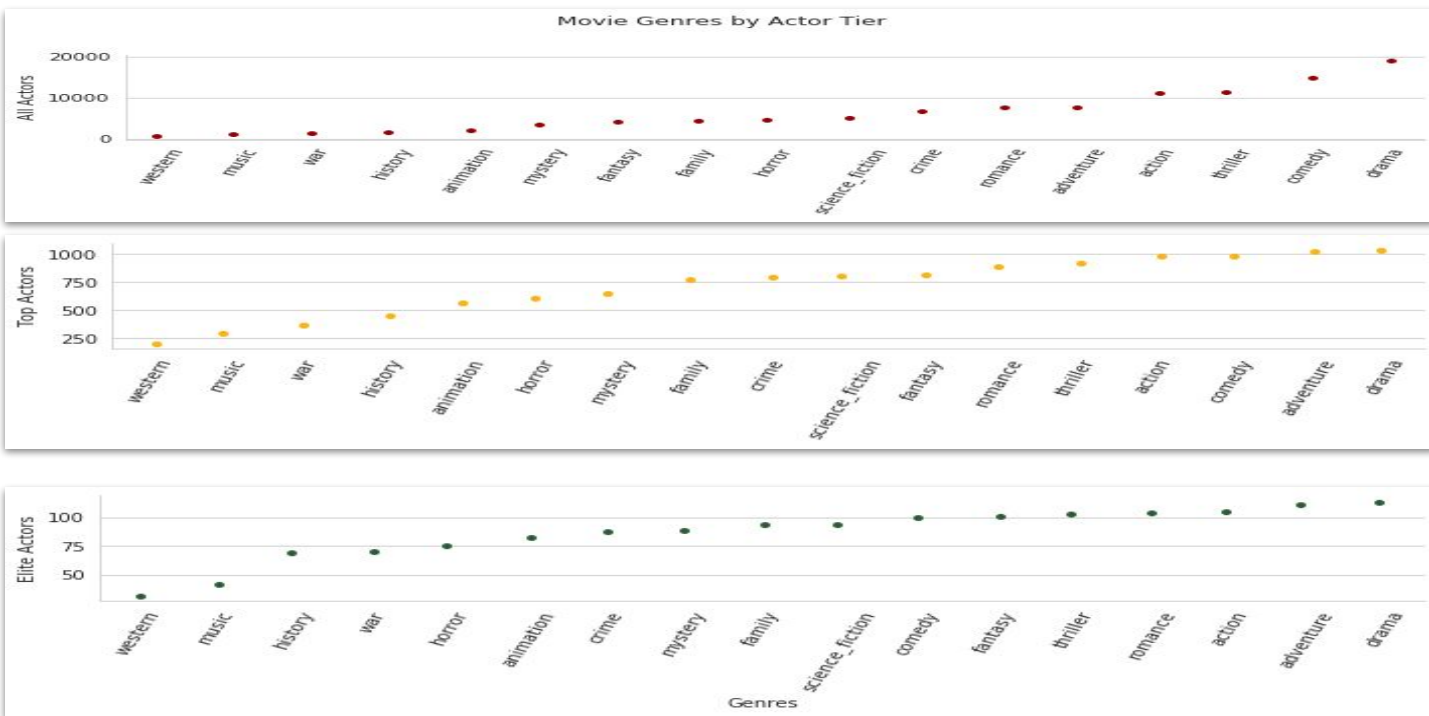
Elite actors produce with all sized budgets



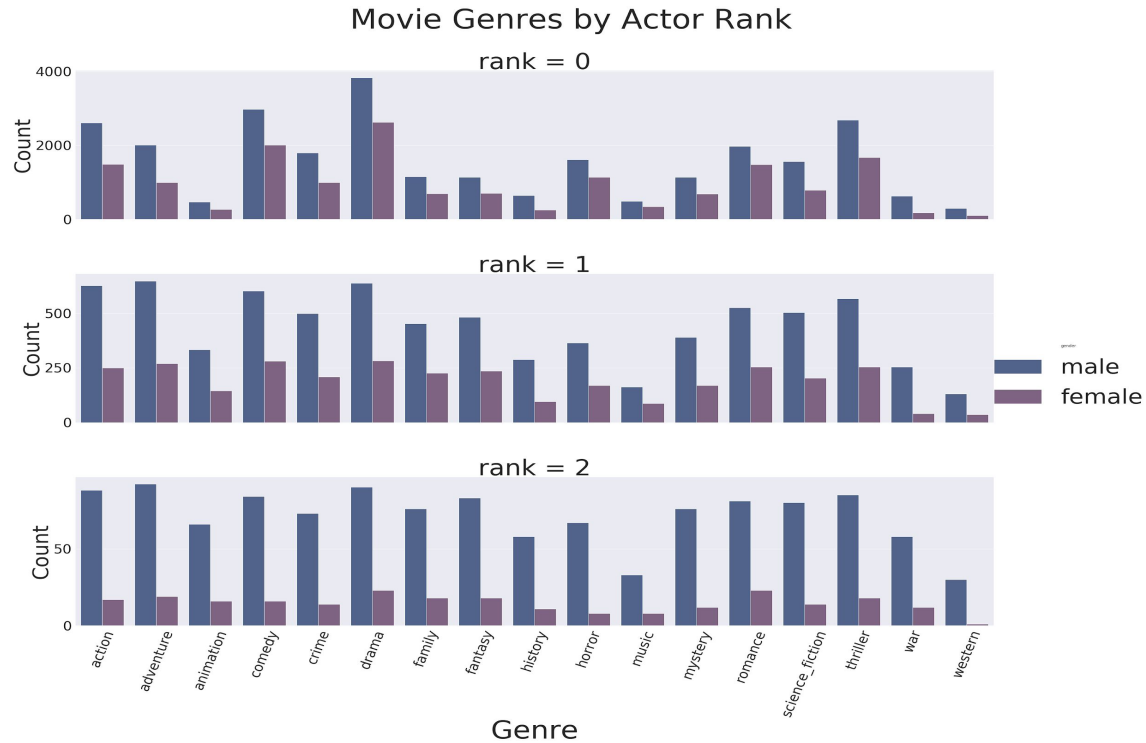


Elite actor earning potential is not wasted



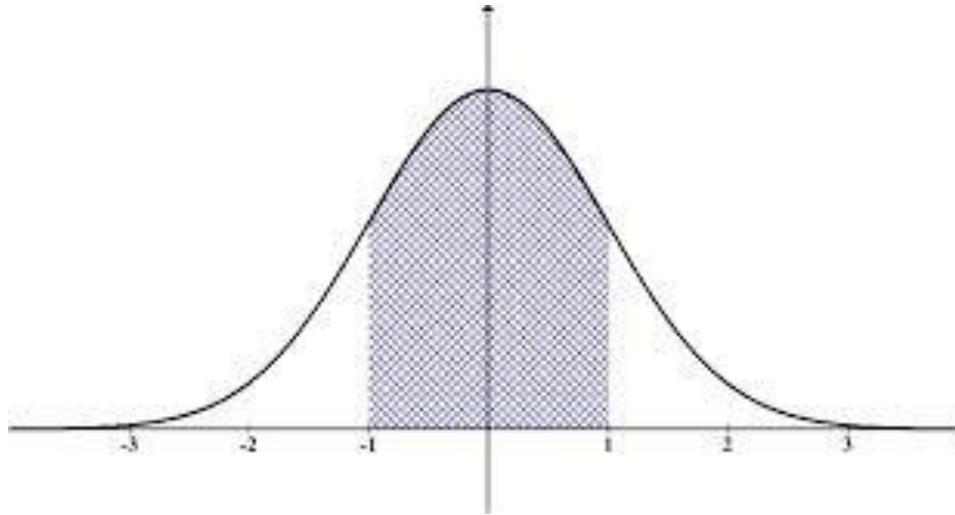


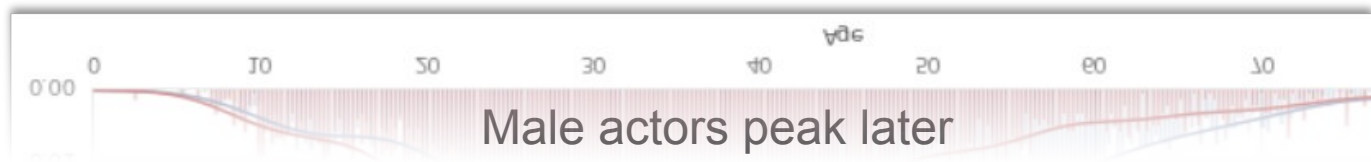
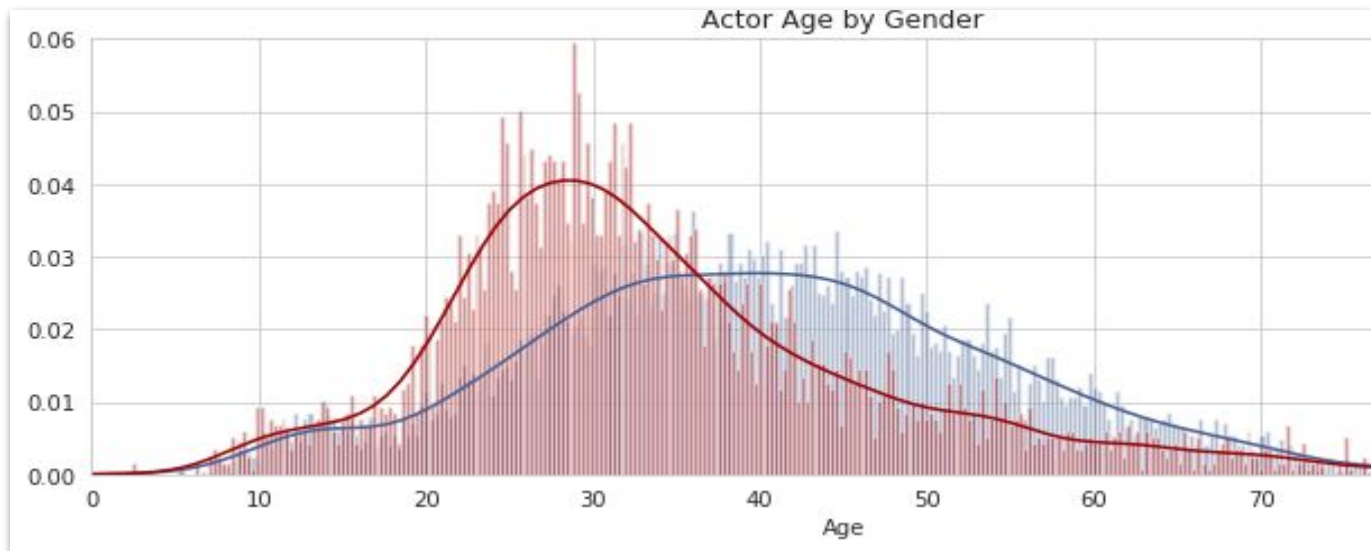
Drama movies benefit all tiers

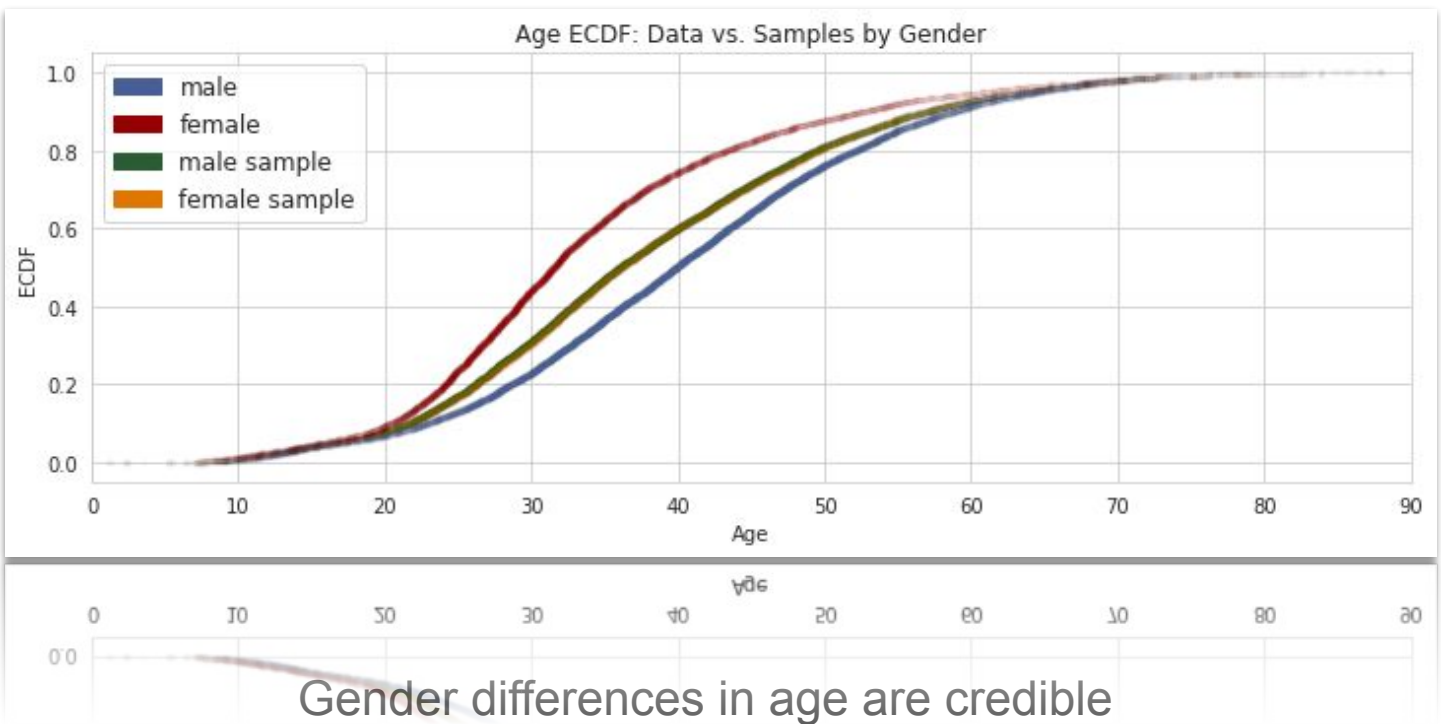


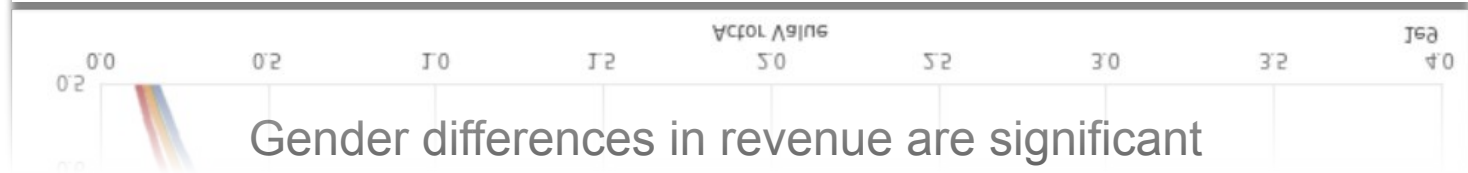
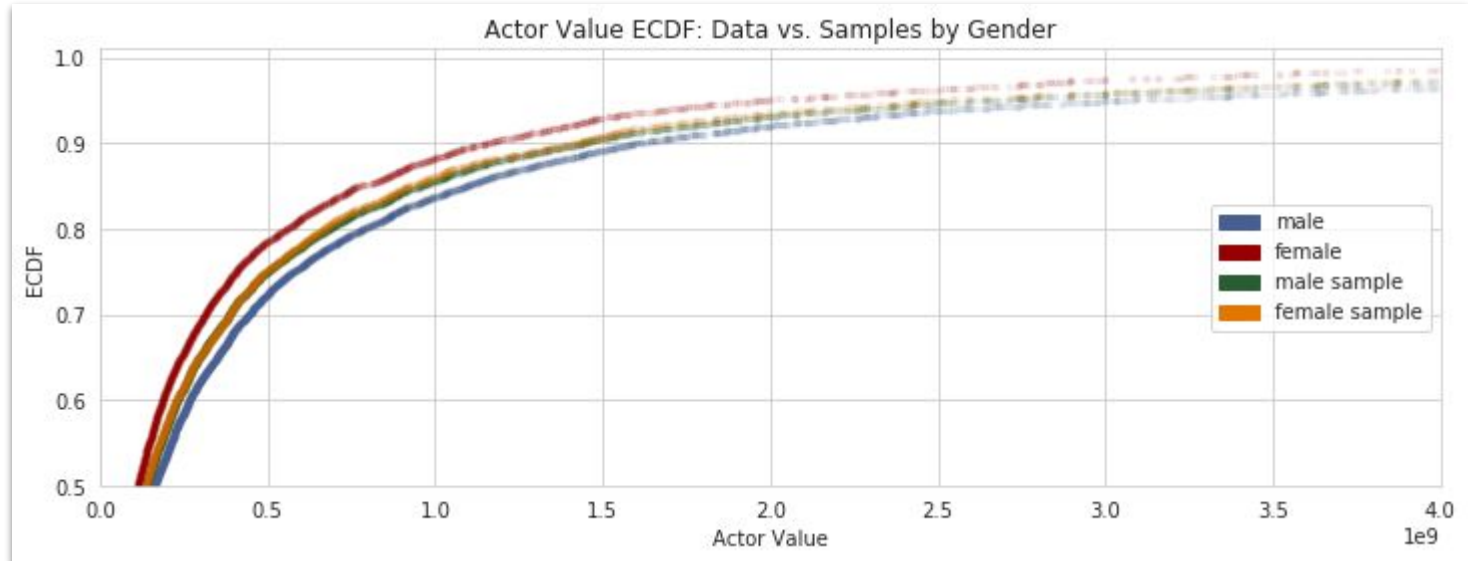
Male actors dominate the elite earning category

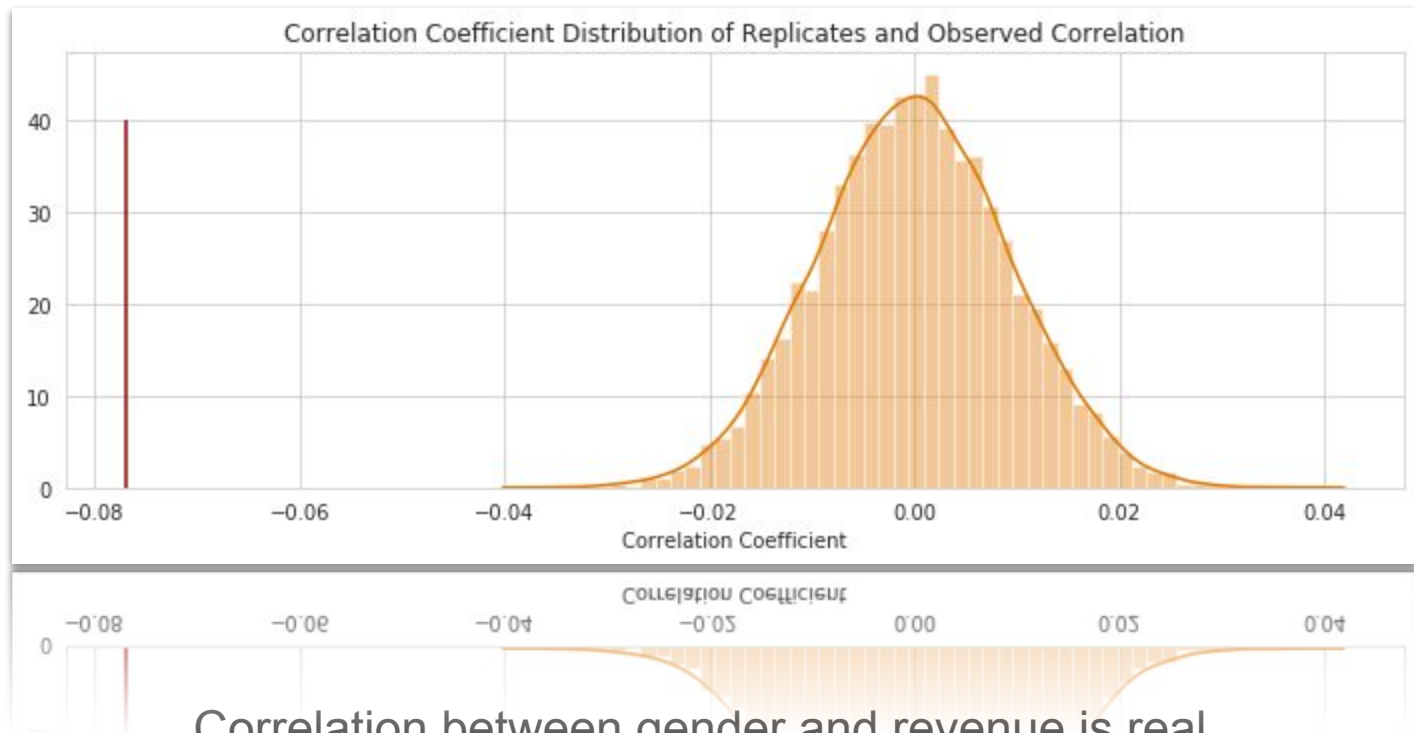
Statistical Analysis





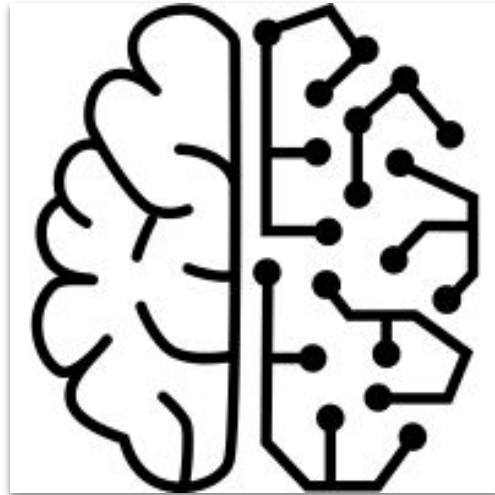




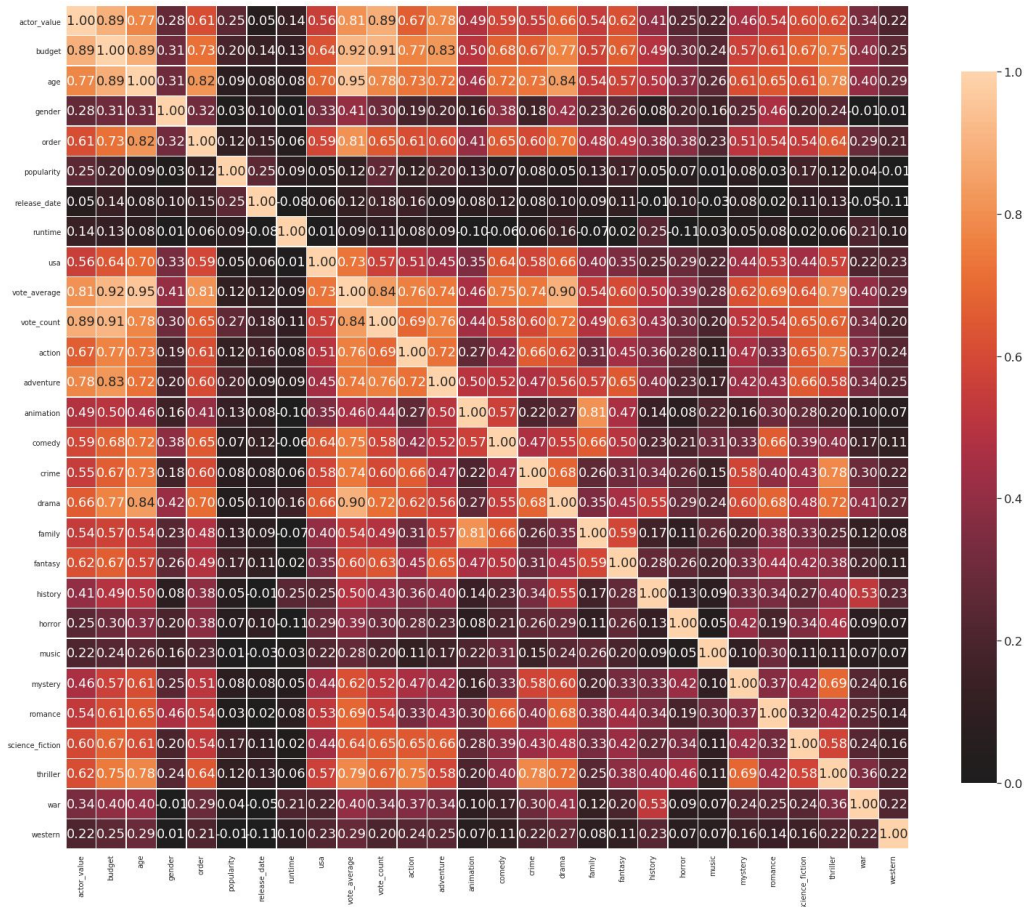


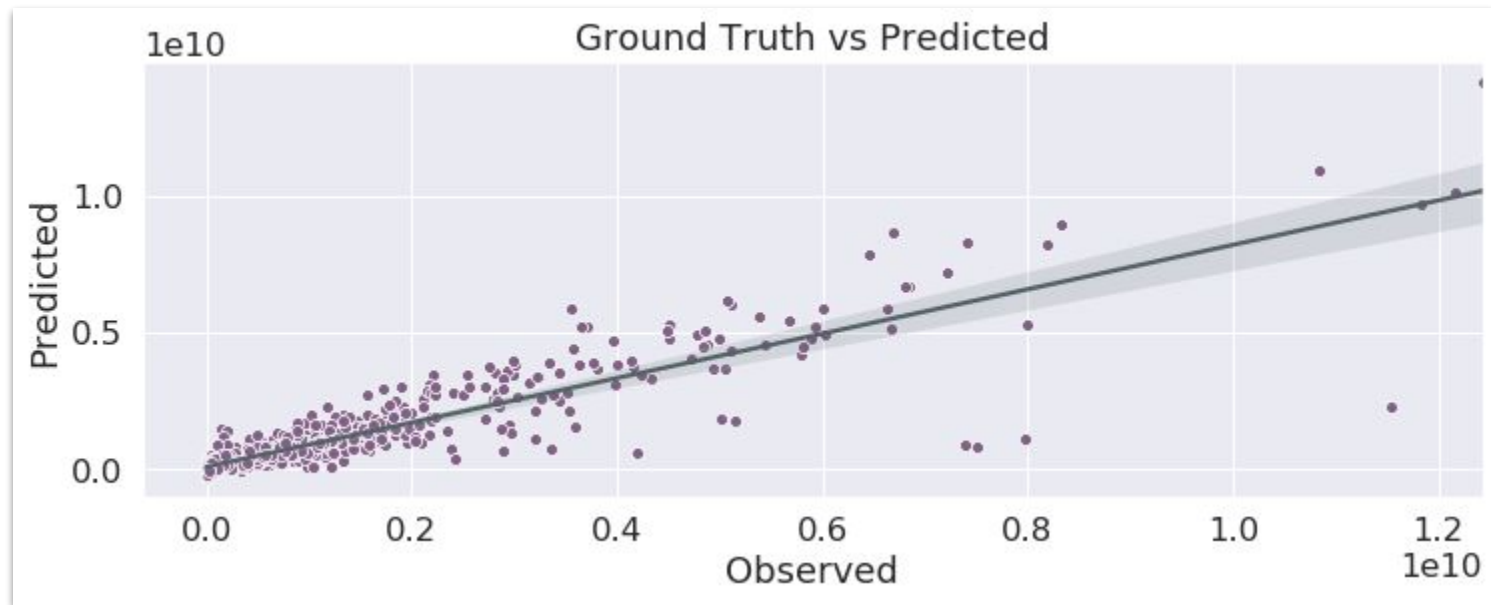
Correlation between gender and revenue is real

In-depth Analysis

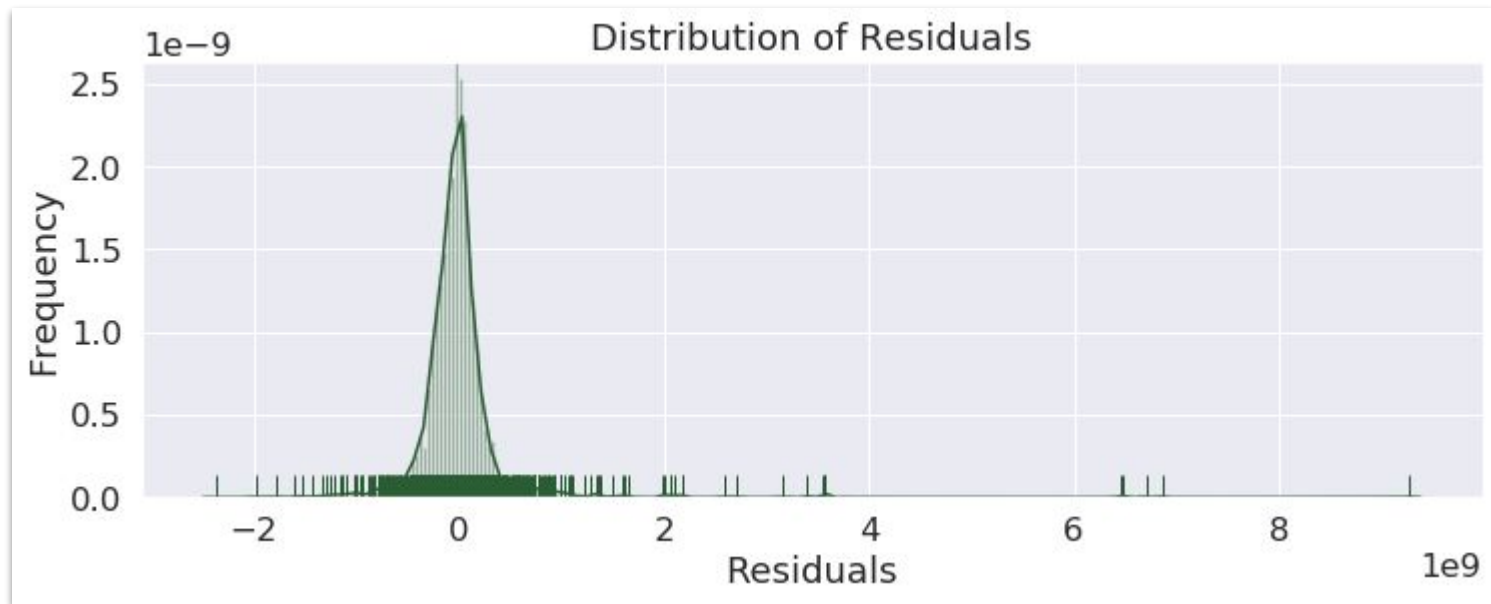


Correlations
are found

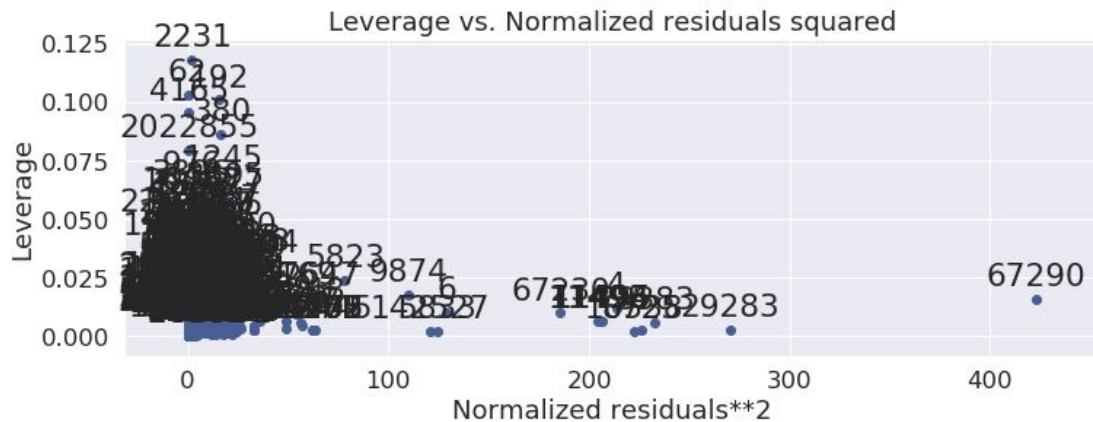




Prediction variance is fairly close to ground truth

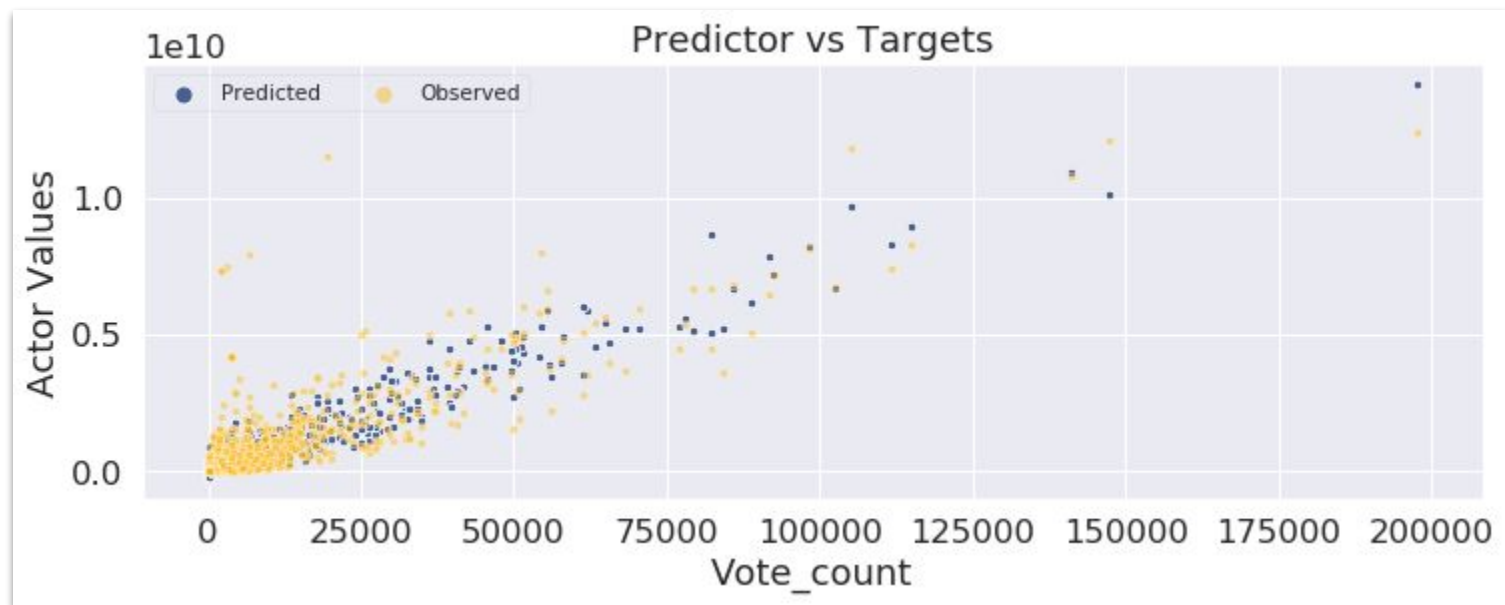


Residuals are fairly normal



Verna Felton is unpredictable





Total votes cast feature is a strong predictor



The moment of truth