

#### WIDE DEMOGRAPHIC

- Strategy
- Mythology
- Creativity
- Interactive
- OFF Screens
- Age Groups





# PASSION





TOURNAMENTS

# CARD & DECK











# Question: Do MTG Tournaments Affect PRICE OF CARDS?

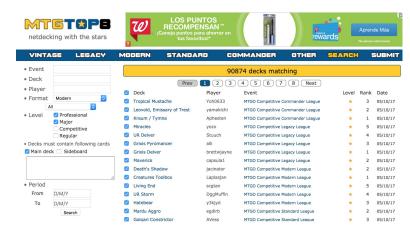
Can we predict the price of the cards in the long term?

### **Data Collection**

- 168 Tournaments
- 1000+ cards collected
- 2 years of stock data

Total Cards for MTG: 16K

#### Tournament Data - Selenium

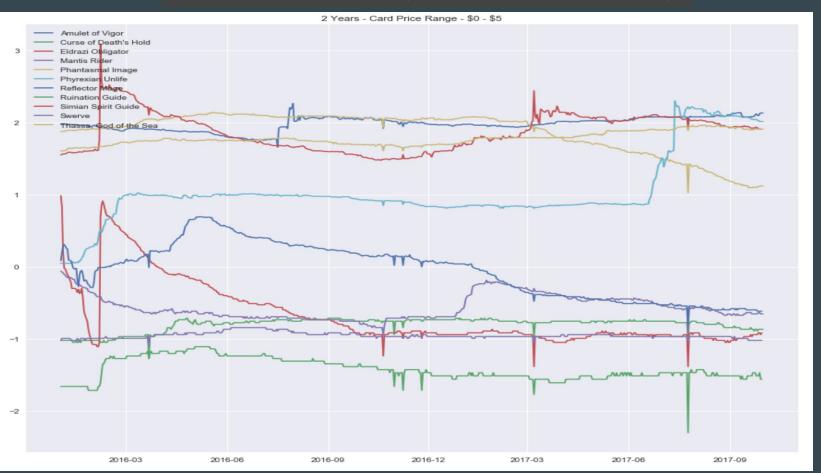


#### Price History Data - Selenium + BS

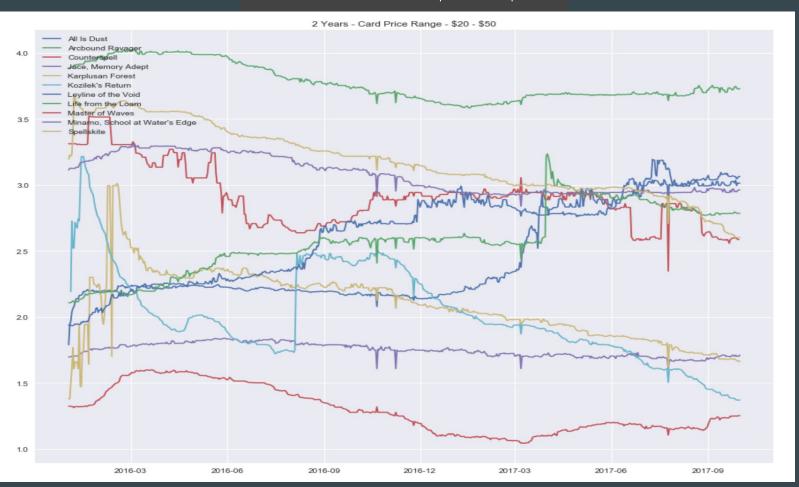




#### 2 Year Price < \$5 (Typical for most cards)

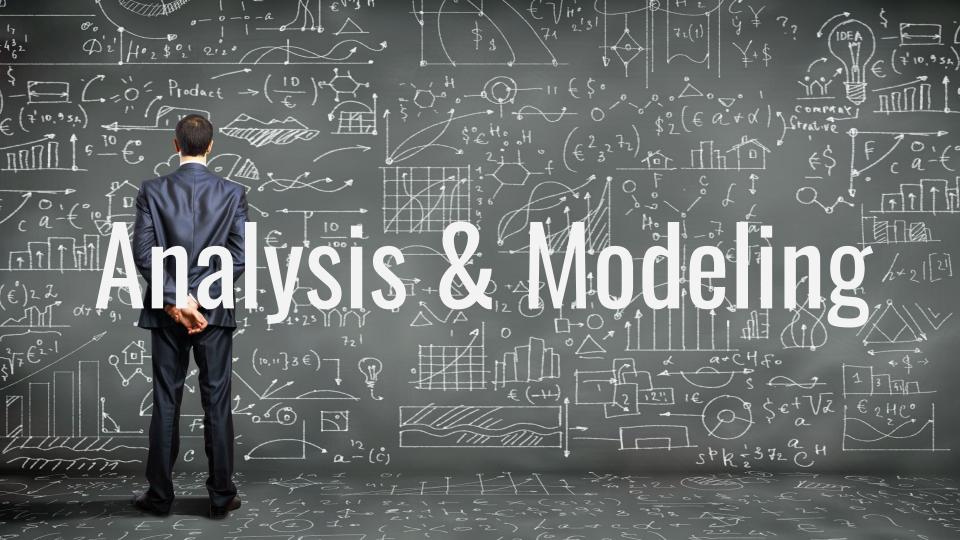


#### 2 Year Price - \$20 - \$50



#### 2 Year Price - \$50 - \$100





# 1 month vs 3 month

	Linear	Lasso
Short Term 1-4 month prior	RMSE: 0.27 vs 1.71 R2: 0.99	
Reg Price 1 year prior data	RMSE: 0.61 vs 0.64 R2: 0.71 vs 0.70	RMSE: 0.61 vs 0.63 R2: 0.70 vs 0.70
Filtered Price	RMSE: 0.0001 vs 0.001 R2: 0.99 vs 0.96	RMSE: 0.0001 vs 0.001 R2: 0.99 vs 0.96

# **FINDING**

- 1. Price is Predictable in the short term & can be predicted using simple model
- 2. Tournament data didn't seem Significant Factor
- 3. Long Term Prediction is Likely given additional feature data

## CONCLUSION

- 1. Increase card sample group
- 2. Longer term data will need other models to address Spikes
- 3. Detect what Causes Price Spikes& predict likelihood of upcoming Spikes
- 4. Categorical Data

