Data Analysis Project: Bitcoin

General Assembly, Summer 2015 – Desiree Sylvester

Introduction

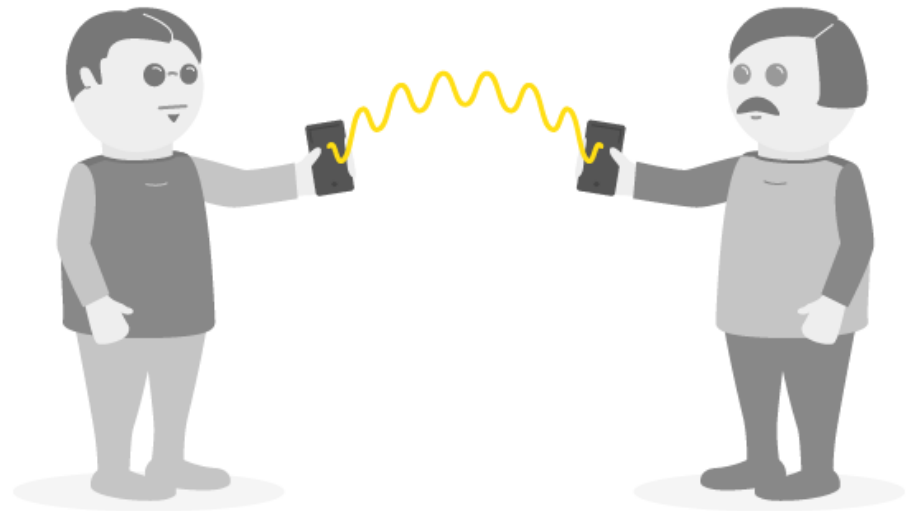- Why Bitcoin?
- Data sources
- Questions to explore
- Challenges

Data sources

- Coin Center survey
- StockTwits
- Average daily Bitcoin price

Questions to explore

▸ Are there strong predictors of positive/negative opinion about Bitcoin?

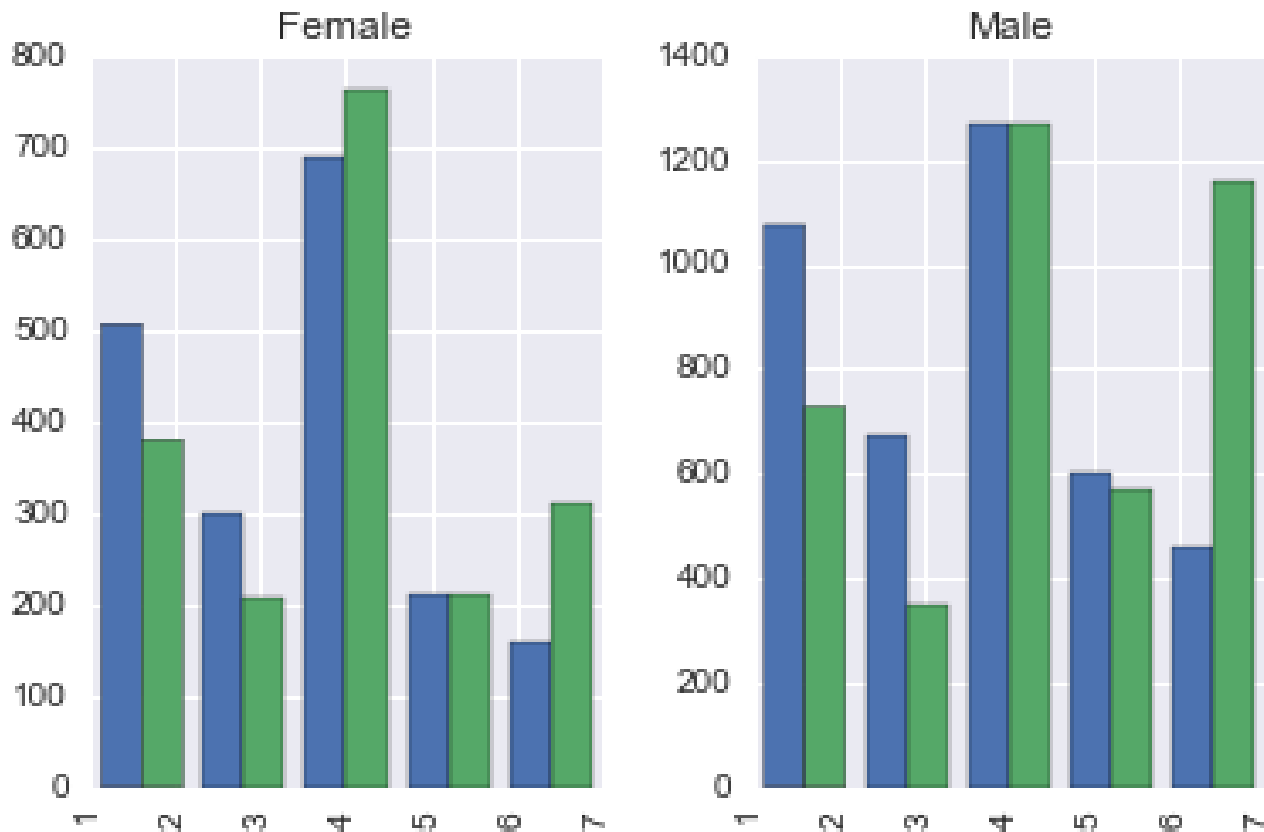▸ Can social media mentions predict price change?

Word association

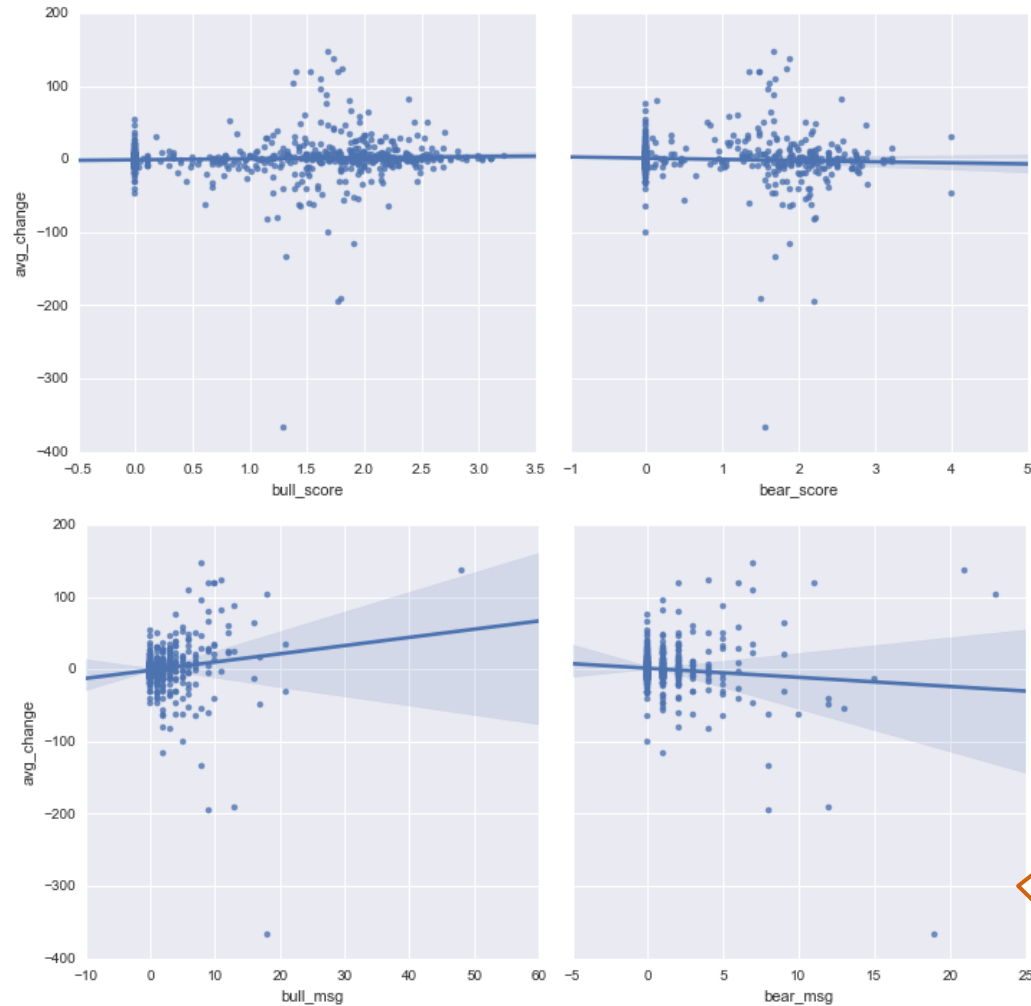| Token	Frequency
Scam	434
Money	301
Fraud	214
Coin	108
Internet	96
Digital currency	77
Fake money	71
Risky	52
Internet money	50

Demographics

Are transactions mostly legal (1) or fraudulent (7)?
Should governments regulate (1) or ban(7) Bitcoin?

Sentiment index vs. Total messages

RMSE
$37.38
Current
price
~$213

Challenges

- Cleaning the data
- Model requirements
- Framing the problem
- Future work