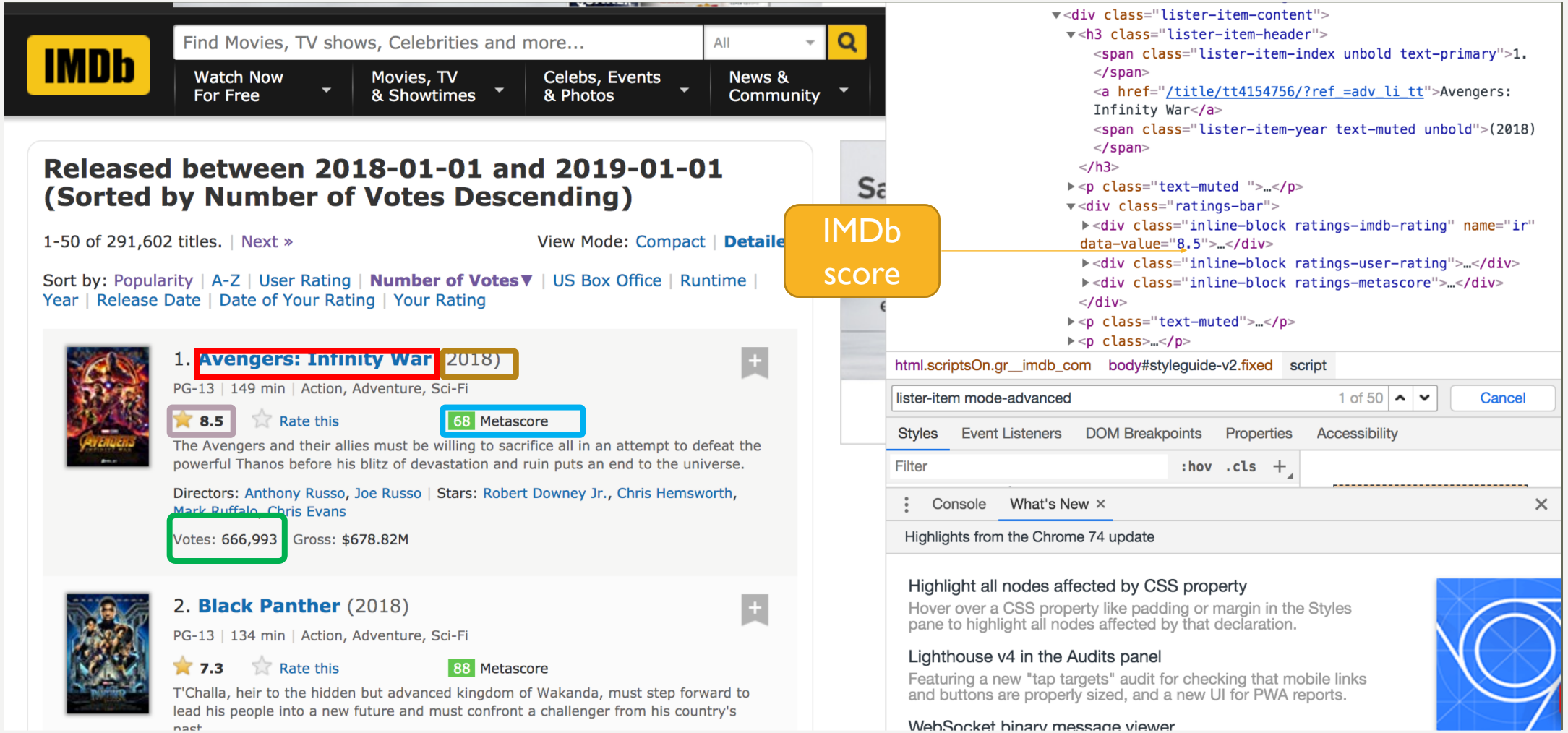
PREDICTING VOTING SCORE USING 2018 IMDB

HUILIN TANG

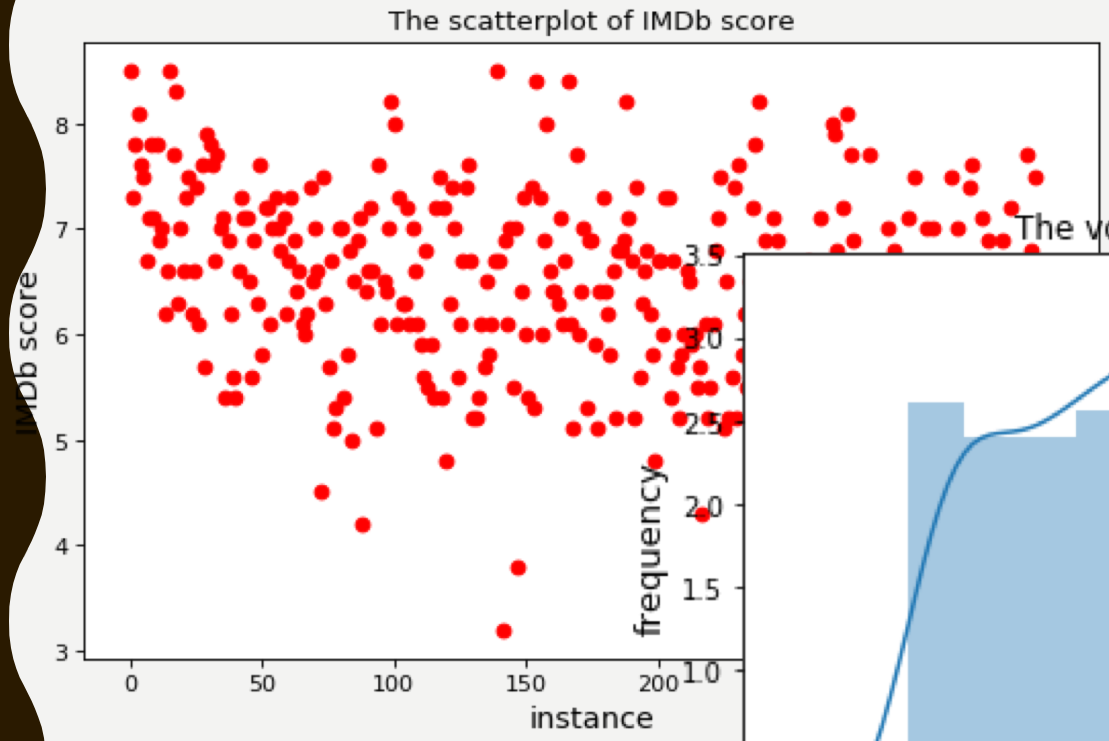
UCLA STATISITCS 418 – TOOLS IN DATA SCIENCE

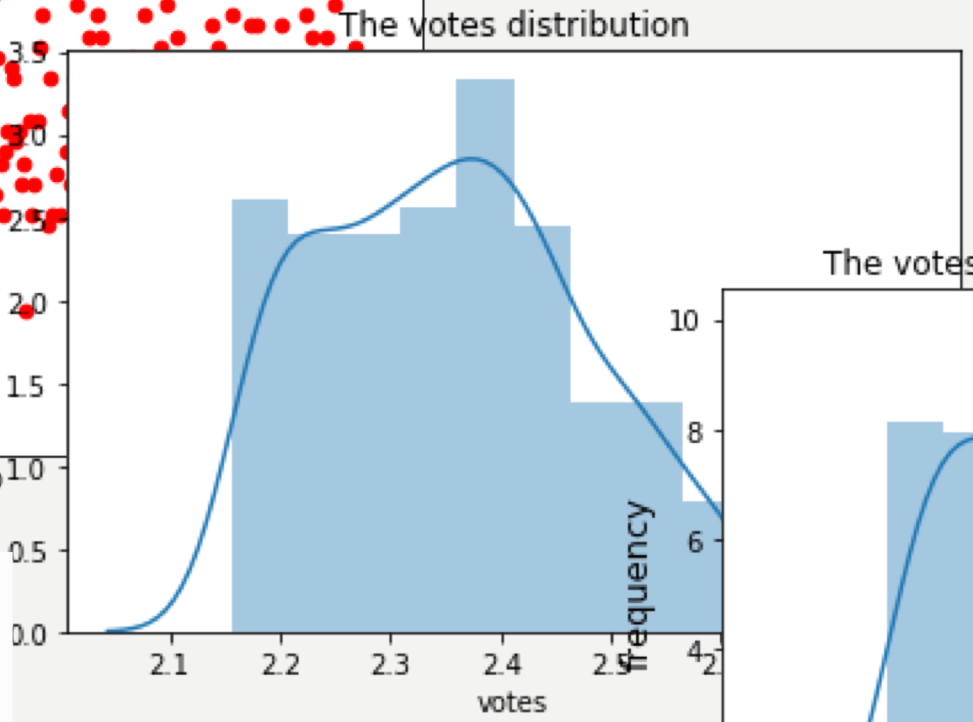
SPRING 2019

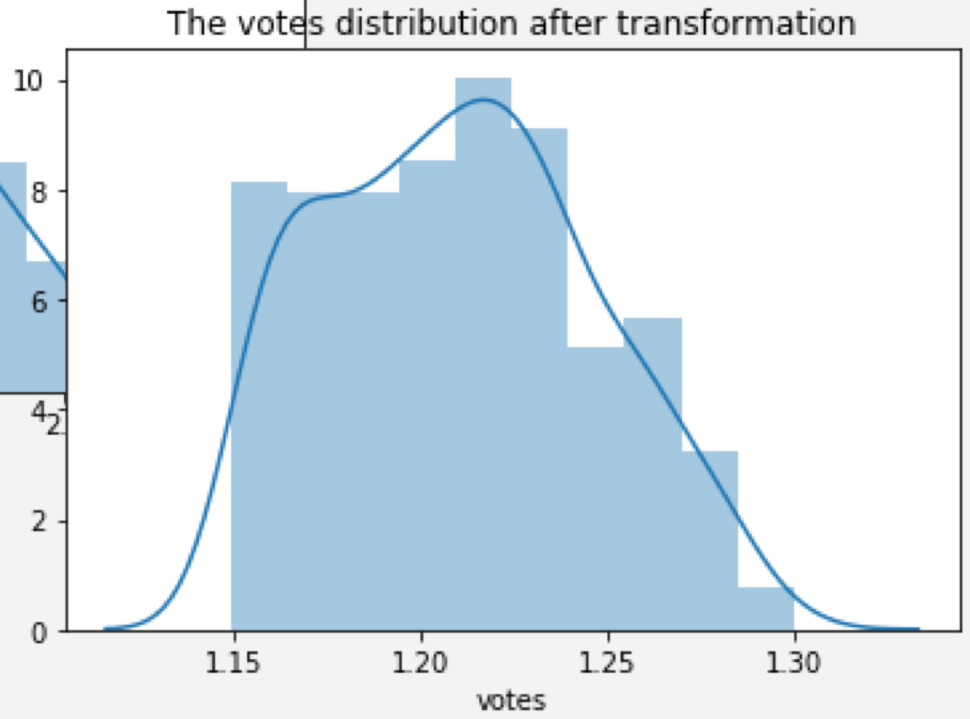
ATTAINING DATA – WEB SCRAPER



DATA EXPLORATION ANALYSIS

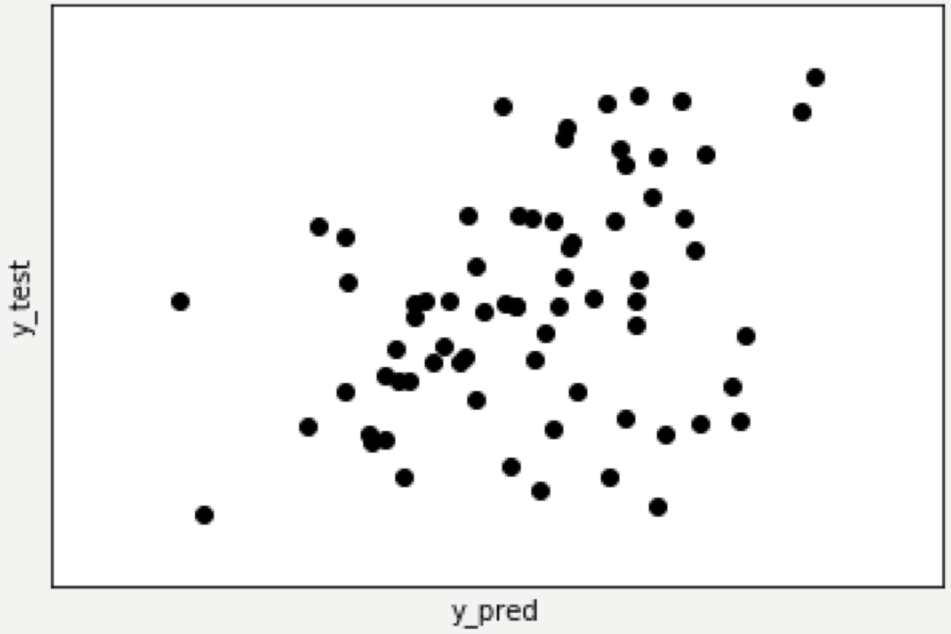






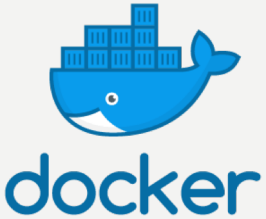
	imdb	metascore	movie	votes	year
0	8.5	68	Avengers: Infinity War	667105	(2018)
1	7.3	88	Black Panther	514171	(2018)
2	7.8	66	Deadpool 2	389509	(2018)
3	8.1	49	Bohemian Rhapsody	342427	(2018)
4	7.6	82	A Quiet Place	303571	(2018)

MODEL ANALYSIS



Mean squared error: 0.0010889836135416554

DEPLOYMENT



- Docker & Flask & AWS
- Input: Imdb score, Metascore
- Output: Predicted Votes
- curl -H "Content-Type: application/json" -X POST -d '{"imdb":"6.7", "metascore":"53"}' "http://localhost:5000/votes"
- Predicted result

```
[s-164-67-229-202:docker MsBrilliant$ curl http://localhost:5000/                ]
[The server is up - good job!!!s-164-67-229-202:docker MsBrilliant$ curl -H "Cont]
 POST -d '{"imdb":"6.7", "metascore":"53"}' "http://localhost:5000/votes"
{
  "predicted votes": 52869.39191900185
}
```