

general assembly / data science

final project / v 1

david azaria / health insurance - data operations

final project / v 1.1

idea / 1

the problem: the 2016 presidential election was a big deal, wasn't it? could we have seen it coming based on the health insurance marketplace?

the data: my company has health plan benefit & pricing data from 2015 - present. i also have county-level presidential election data.

my hypothesis: success here will be the ability to predict county-level results based on issuer drop-off; rate increases; and plan offering reduction.

final project / v 1.2

idea / 2

the problem: the prescription drug industry hasn't had a great decade. are individuals with cheaper health plans exposed to providers who are more likely to prescribe "dangerous" drugs.

the data: my company has formulary, health plan benefit & network data from 2015 - present. i also have cms data on provider prescription history.

my hypothesis: success here will be the ability to correlate cheap health plans tied to underperforming networks, which contain doctors who more likely prescribe "dangerous" drugs.

final project / v 1.3

idea / 3

the problem: facebook and celebrities. not really, but are we groupthinking the way we think about how good a movie is and what we rate it on imdb based on a celebrity's popularity?

the data: kaggle has a fantastic dataset for imdb films and facebook likes associated with the film and the film's actors, along with its imdb score.

my hypothesis: success here will be the ability to predict how high a movie will score on imdb based on "prestige", which will include facebook likes for the lead actors.