

PROJECT IDEAS FOR SECOND CAPSTONE (scrapbook)

1. Continuing from where I left off in the first Capstone Project, I am still looking at doing something related to the medical field. I am considering a regression analysis to predict what should be paid out to medical practitioners based on what was paid out to them in the past. And, probably also predicting doctors' prescription based on past data could also be a good idea.

- Data: I think the dataset from the Center for Medicare and Medicaid and probably the US Food and Drug Administration FDA could be a useful resource

2. Think of some sentiment analysis using social media mining with python on any current issues or topic of interest.

- Data: I would think Twitter should be a preferable choice because they have a working API for that, and also because there are already a lot of documentation to can aid in doing such.

3. An interesting one would be a Natural Language Processing (NLP) project that tries to predict what a job applicant should be paid based on text in a job posting and related industry information.

- Data: I thought this would be interesting to do based on recent experience in negotiating salary with HR of different companies and a need to have some data-driven analysis backing my claim. I can extract text from the last job posting I recently applied for using a Web API for the study.