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HW 1 – Project Ideas

1. An exploratory Bay Area Housing project in which relationships among crime, Bart/public transportation traffic, and historical Bay Area housing market data are analyzed. There would be a lot of correlation testing involved and there could be potential for predictive modeling as well.
2. There a lot of creative things you can do with data and one potential project could be to predict the “mood” of the song (happy, gloomy, carefree, etc.) based entirely on the lyrics. This could also be taken a step further and be used to categorize those songs based on the mood predicted in certain groups, similar to how Spotify groups songs together.
3. I would be interested in diving into deep learning and machine learning, and so a project involving building an image recognition and object detection classifier would be really interesting.