Questions along the way in the final project

1. How do I merge in pandas on multiple columns (i.e. “year” and “Quarter”)?
2. Is there a good way to have 2 X values for time, or should I just merge and have it say 1948 (q1), 1948(Q2), 1948(Q3)
3. How do I deal with my timeline on the X-axis?
   1. I’m thinking either I have to separate columns year and quarter and I somehow make them both times.
   2. I also could potentially just pick the first month as each one and it would have to be like “ 1948-01-01” for 1948 Q1 and 1948-04-01 for Q2 etc.
4. With GDP\_clean.csv – I am losing values and populating NaN’s and also in the cleaning data ipynb file, I couldn’t get the .rename feature to recognize the name of the column and I was either trying
   1. Gdp = gdp[[“period”, “Gross domestic product (in millions)”]]
   2. Gdp = gdp.rename(columns = {“period” : “period”, “Gross domestic product (in millions)” : “GDP in millions”
5. Which models am I going to try?
   1. Automatic Relevance Determination
   2. Bayesian Ridge Regression
   3. Try a lot of them

Gameplan

* We are going to try the Stu\_beer\_foam exercise on the model
* Then we can watch the next set of videos and figure out how it goes up from there
* Also look into what joe said and if that runs a bunch of different models that would be savage
* Then figure out how to run Bayesian and Automatic relevance determination