## Project 3 - Proposal

### The topic

Our chosen topic is "Analyzing Astrological Influence on Divorce Rates". In other words, Astrology claims that certain signs are compatible in romantic relationships while others are not, but, can this be proven with the rate of divorces in our dataset? Which combination of signs most leads to divorce? Which combination is most/least likely to divorce? (Does Astrology have claims/warnings about this particular pair?) Which sign of a man/woman is most common to divorce? Which signs are the most educated?

Our database also contained demographic data which we chose to explore to answer some of our questions: At what age the divorce rate is the most common? Does the scholarization level have any impact? Where do most of these divorces happen? For this last one we were really interested in showing a map.

#### The database

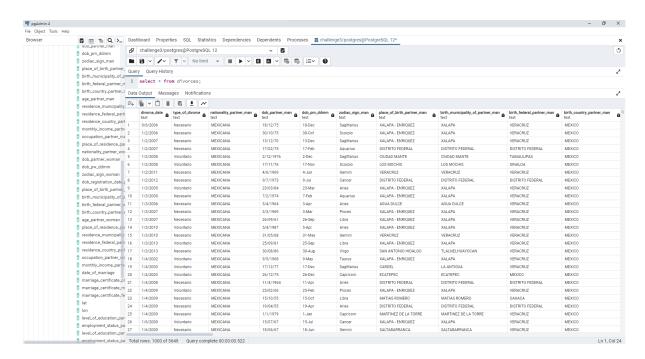
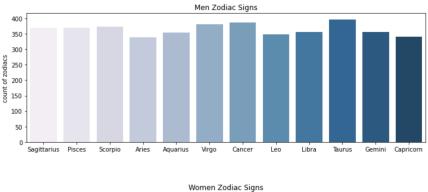


Image 1: Using SQL for our database

## The inspiration:

1. Which Sign (for man and woman) divorces the most. Bar chart, frequency of each zodiac.



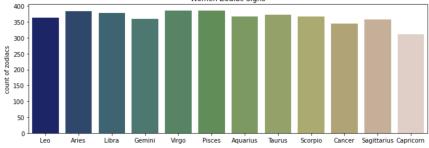


Image 2: Inspiration #1

2. Testing the astrological claims on compatibility with Divorce data cases in Xalapa, Veracruz, Mexico. We will do this by researching the most compatible signs according to Astrology and comparing that to the results of our data and seeing if those "compatible" signs result in fewer divorces. And vice versa with least "compatible signs". / Which pair combination of Horoscope signs has the highest rate of divorce? Since there are 12 Horoscope signs, there are 144 possible combinations.

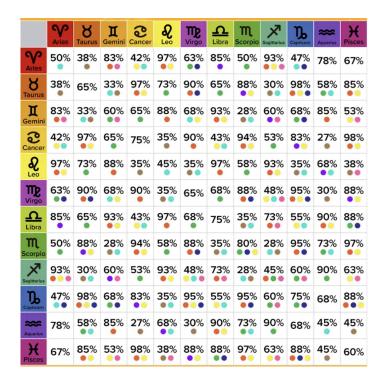


Image 3: Inspiration #2

3. Incorporate the longitude and latitude of divorces in a map. Since we have a lot of location data, we wanted to explore how does the divorces were spread across a map, we used this as an inspiration:

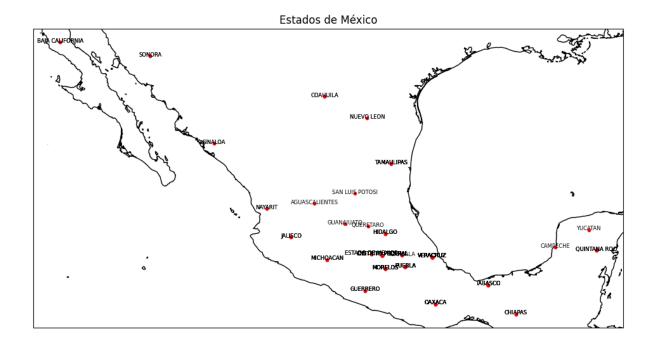


Image 4: Inspiration #3

# Sketch of our final design



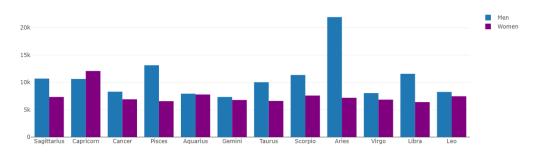


Image 5: Final sketch #1

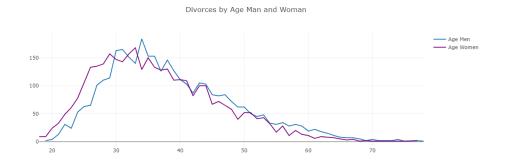


Image 6: Final sketch #2

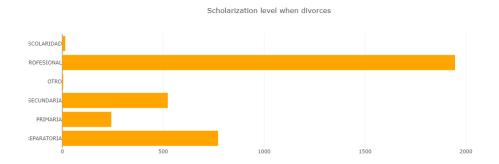


Image 7: Final sketch #3

 $Link\ to\ the\ primary\ GitHub\ repository:\ \underline{https://github.com/OlivaVe/project3\_team7}$