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Project 3

The topic we are proposing are the US and State Trends on Teen Births. We are looking at trends in teen births from 1990 to 2019 across the entire United States. We are looking at the following age ranges, 15-17, 15-19, and 18-19. We are aiming to see which region of the country has the highest teen birth rate. We will break the country down into three different regions. We are also going to focus on which year had the highest teen birth rate.

Our dataset comes from:

<https://data.cdc.gov/NCHS/NCHS-U-S-and-State-Trends-on-Teen-Births/y268-sna3>

We want to create an interactive website using Python Flask- powered API, HTML/CSS, JavaScript, and SQL to make our website. Users will be able to look at data from different years, different age groups, and different states. One of the visualisations we plan on making is a map where users can see different teen birth rates per state across the US. We plan on creating two interactive maps using Leaflet. We also plan on making a horizontal bar chart where we viewers will be able to compare all the age groups against each other for a specified year. One of the features on our website will be a drop down menu for all the years in our dataset. This will be from 1990 until 2019. We will also create a line chart where the viewers can view all the age groups against each other for a specified year. Viewers will also be able to hover over certain points on the line chart and see what the birth rates were at that given point in time. We will create the charts using Plotly. We plan on possibly doing a bar chart where viewers will be able to look at birth rates by state and by age group. This will allow us to analyse birth rates by state and determine which state had the greatest birth rate over the 29 years our data shows. This is our proposal for our third project.

Link to our github: https://github.com/jgillas/Project_Three_Group_3



