Trends in Educational Attainment Across Selected Characteristics

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The goal of this project is to determine the status and trends of the air quality index for selected cities across North Carolina. The questions we aim to answer through this project include if the weather parameters have a significant impact on air quality. Is there a relationship between high temperatures and air quality index across the state. Additionally, we will also explore the relationship between air pressure and air quality across the state. All of the data needed for this project will be provided by the IQAir Visual API.

The work for this project will be divided as follows:

Alex: Will use pandas to clean and format the census data sets on educational attainment for sex, employment, and occupations. Will create a jupyter notebook which details the data exploration and clean up process used.

Nishi: Will create a jupyter notebook which details the final data analysis

Nadire: Will use matplotlib to create 2 data visualizations for the occupation data set and write a summary of major findings.

Shi: Will use matplotlib to create 2 data visualizations for the sex data set and write a summary on major findings

Ahnaf: Will use matplotlib to create 2 data visualizations for the employment data set and write a summary of major findings.