**Timeline Breakdown**

* Std Deviation
* Data Import and Cleaning
  + Data comparison with source
* Data Dictionary
* EDA
* Vizualization
* Conclusion
* Readme

Submission

* Readme
* Jupyter notebook
* Data file
* Presentation slide

**Overview**

* Point of focus.
  + SAT (Scholastic Aptitude Test)
    - Evidence-Based Reading & Writing
    - Math
  + ACT (American College Test)
    - English
    - Math
    - Reading
    - Science
    - (Additional) Writing Section
  + Participation rates
* Identify Trends and combine data analysis with outside research.
* Scores on both SAT and ACT used as a measure for college readiness and aptitude
* Possible Audience
  + Students
  + Administrators
  + Legislators
  + Opponents of the test claim it is not accurate measure of students potential or ability and serve as an inequitable barrier to entry
* Points to consider in a problem statement
  + Health and welfare within different states and if there has been a decrease how does this affect the data points we have for SAT / ACT
  + Predicting the future participation/score average of certain states (Optional but I think no need)
  + Increase revenue within the states( how to get people to take the tests more )

**Graph Analysis**

* SAT VS ACT
  + Participation
    - Population within states either chooses to take SAT or ACT
    - Certain population within certain states takes both
    - Below States require students to take ACT Hence 100%, these states provide financial assistance to take ACT tests up to three times for free ([Source](https://blog.prepscholar.com/which-states-require-the-act-full-list-and-advice))
      * Alabama
      * Hawaii
      * Montana
      * Nebraska
      * Nevada
      * North Carolina
      * North Dakota
      * Utah
      * Wisconsin
      * Kentucky
      * Louisiana
      * Missisippi
      * Wyoming
      * Arkansas(Offered but not required)
      * Kansas(Offered but not required)
      * Minnesota(SAT and ACT Offered)
      * Missouri(Determined by district,not funded)
      * Ohio(SAT or ACT Required but district determines which test)
      * Oklahoma (SAT or ACT Required but district determines which test)
      * Sout Carolina (SAT or ACT Required)
      * Tennessee (SAT or ACT required)