Sprint-6 Artifact

Members : Alan Chau, Alex Kuang, Kent Phan, Kevin Ferrer, Ryan Park

Features (Analytics to implement):
- Feature 1: Add incremental analysis to Bar Chart
- Feature 2: Add incremental analysis to Average Charts
- Feature 3: Add incremental analysis to Standard Deviation Charts
- Feature 4: Add incremental analysis to Percentage Charts

Test Cases

- Feature 1 : Add incremental analysis to Bar Chart
  - Test Case 1: Use a timer to make sure it's faster when updating data
    - Correct output : Time to fetch data should be quicker than cold loading
- Feature 2 : Add incremental analysis to Average Charts
  - Test Case 1: Use a timer to make sure it's faster when updating data
    - Correct output : Time to fetch data should be quicker than cold loading
- Feature 3 : Add incremental analysis to Standard Deviation Charts
  - Test Case 1: Use a timer to make sure it's faster when updating data
    - Correct output : Time to fetch data should be quicker than cold loading
- Feature 4 : Add incremental analysis to Percentage Charts
  - Test Case 1: Use a timer to make sure it's faster when updating data
    - Correct output : Time to fetch data should be quicker than cold loading

TODO LIST

Done list of last sprint
- Backend functions
  - Standard Deviation
    - Alan, Kent, Ryan
  - Averages
    - Alan, Kent, Ryan
  - Percentages
    - Alan, Kent, Ryan
- Pie Chart
  - Alex
- Frontend GUI
  - Kevin
- Setup Frontend + Backup Endpoints
  - Kevin

TODO task list for the next sprint:
- Backend Functions
    - Incremental analytics
        - Add incremental analysis to Bar Chart
            - Alex
        - Add incremental analysis to Average Charts
            - Alan,
        - Add incremental analysis to Standard Deviation Charts
            - Kent,
        - Add incremental analysis to Percentage Chart
            - Ryan
- Add timer to fetch request
    - Kevin

<u>GUI</u>

Introduction			

Country	State/Province	Type	Date

Submit Button

Country	State/Province	Type	Date	Amount

Insert	Edit	Delete	Backup

Top 5 Deaths (country) Bar Chart	Avg Confirmed (state)	Avg Recovered (state)	Avg Deaths (state)

Std Dev Confirmed (state)	Std Dev Recovered (state)	Std Dev Deaths (state)

Percentages Confirmed (state)	Percentages Recovered (state)	Percentages Deaths (state)

Data