Weekly Capstone Update Meeting

Sep 30 2022

PA Dept. of Labor & Industry + CMU

Project Timeline

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

Second Sprint 9.24-10.7

- Run the predictions locally on Jupyter notebook

- Explore datasets and join medical costs with claim data

- Research similar solutions implemented by other states/organizations

- Update repository with past team documents and latest requirements

- Prepare for midterm presentation

Project Progress Updates

➔ **Deployed the application on our machines**
- Currently the static assets of the website are not loading correctly so unable to navigate through the application
- Debugging the static assets issue

➔ **Midterm overview presentation with CMU administration**
- Completed a 5-min practice session and got feedback
  - Need to add success metrics

➔ **Research on similar solutions implemented by other states**
- Conducted research on approaches and metrics used by other states with similar solutions

Implementations by Other States/Countries

State/Country	North Carolina	Colorado	Queensland (AU)
Information provided	Disease Public Health Drug Overdose Injury & Violence	Socio-Demographic Data Birth & Death Rates Drugs & Public Health Workplace Injuries	Injury Location Injury Nature Injury Agency Injury Mechanism
HTML Form	✅	✅	✅
Online Database	✅	✅	✅
Dashboard	✅	✅	✅
Heat Map	✅	❌	❌
Prediction	❌	❌	❌

Note: Click on the state/ country name and will take you to the statistical site

Goals for Next Week

- ❏ **Run the prediction used in the application in Jupyter notebook**
- ❏ Be able to import modules and run the models

- ❏ **Prepare for midterm presentation**
- ❏ Incorporate feedback we got in the practice session
- ❏ Add success measures and other improvements as suggested in feedback

- ❏ **Exploratory data analysis**
- ❏ Carry out data analysis (summary statistics) on the claims data to gather insights
- ❏ Link medical costs and claim data

- ❏ **Update Repository**
- ❏ Upload past team documents and our team documents
- ❏ Update README with latest instructions to run the application