Rutgers University
Software Engineering

HEALTH MONITOR ANALYTICS

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FEATURE

- **PerCapita Map** with weighted tweets based on population density.

- **Competitive game**: active people gain points via # of tweets with time.

- **Interactive map**: shows tweets via types of activates.

- **Activities recommendation** based on both weather and tweets.

- **CalorieMeter**: tracking apps & devices tweets.

CalorieMeter

- Google Fit, Microsoft Band, etc... (Many Apps + wearables)

- Innovation?

- Accurate Analysis of the problem (Accurate Data) TweetChup   (Done)

- Calculating Calories + Visualizing them in site
adding more features (Reqs)(To be done)

```
"I spent 10 minutes doing aerobics. 40 calories burned. #LoseIt",

"I spent 30 minutes rowing a rowing machine. 229 calories burned. #LoseIt",

"I spent 30 minutes walking. 60 calories burned. #LoseIt",

"I spent 20 minutes cleaning. 46 calories burned. #LoseIt",

"I spent 40 minutes on an elliptical machine. 658 calories burned. #LoseIt"
```

Word	Count
calories	200
#LoseIt	200
I	200
spent	200
burned.	199
minutes	171
walking.	57
doing	54
30	42
1	39

WHAT WE DID RIGHT NOW

- Getting the data from twitter.

- Save the data in the MongoDB.

- Represent the twitter data into google map after saving it in MongoDB.

- PerCapita Map for Discrete group of large cities.

- Create the game system for the states based on the tweets from the database and store them in the database.

- Accurate Analysis of the problem (Accurate Data) TweetChup

FUTURE IMPROVEMENTS

- **PerCapita Map:**
  - PerCapita Map for Continuous US (All Towns)

- **Competitive game:**
  - Test everything and display it to the web site

- **Interactive map:**
  - Recognize each type of activities to represent most popular one in single map

- **Activities recommendation:**
  - Complete the Recommendation function based on Interactive Map

- **CalorieMeter**
  - Calculating Calories + Visualizing them in site + adding more features

THANK YOU!