**2017 BIG DATA HACKATHON PROJECT SUBMISSION FORM**

Complete the following information and upload to your team number GitHub repository (github.com/BigDataForSanDiego) by 12 p.m. on Sunday (along with your team’s final pitch presentation)

**TEAM NUMBER:201**

**TEAM NAME: ArcBBQ**

**TEAM MEMBERS’ NAMES:**

Joey Lee

Karie Huang

Zhengcong Yin

**TEAM LEADER:** Karie Huang

**PUBLIC HEALTH QUESTION YOU ARE ANSWERING (UNDERLINE ONE BELOW OR PROVIDE THE QUESTION YOUR GROUP CREATED)**

How can we share useful public health information and analytical tools in our local community?

**YOUR TEAM’S HACKATHON IDEA (IN TWO SENTENCES):**

Creating a dashboard to monitor social mental health status on specific hot topics within San Diego County

**DATASET(S) YOU MIGHT USE FOR THE PROJECT (PROVIDE NAME AND URL):**

|  |  |
| --- | --- |
| **Data** | **URL** |
| Suicide Death 2010-2013 (livewell) | Livewell  http://www.livewellsd.org/ |
| Self Inflicted Hospitalization 2010-2013 (livewell) | Livewell  http://www.livewellsd.org/ |
| Chronic Alcohol Hospitalization 2010-2013 (livewell) | Livewell  http://www.livewellsd.org/ |
| Anxiety Hospitalization 2010-2013 (livewell) | Livewell  http://www.livewellsd.org/ |
| Mood Disorders Hospitalization 2010-2013 (livewell) | Livewell  http://www.livewellsd.org/ |
| Healthcare Facility Locations (California Health and Human Services Open Data Portal) | California Health and Human Services Open Data Portal  https://chhs.data.ca.gov/ |
| Twitter | Twitter API |

**THE IMPACT OF THIS PROJECT ON PUBLIC HEALTH:**

1. The user can easily visualize the community mental health status.

2. People with mental health illness can easily get help.

**THE NEXT STEPS NEEDED TO LAUNCH THE PROJECT:**

1. We need to solve some of the challenges:

(1) Data cleaning.

(2) Limited time to use Twitter streaming API for collecting tweets.

(3) It is difficult to choose a proper key word for searching.

(4) Migrating our database and website to a cloud server.

(5) There are some issues in ArcGIS API.

2. We plan to Run our database and website on a server.

3. We plan to keep collecting the tweets on our server, and real-time analyzing the sentiment.

4. We need to Improve the performance of sentiment analysis