2017 BIG DATA HACKATHON PROJECT SUBMISSION FORM

TEAM NUMBER: 216

TEAM NAME: What the Hack

TEAM MEMBERS' NAMES AND EMAILS: Wanlin Gong, Annie Phan, Briann
Belliveau, Julia Morlock, Bin Fang, Hao Zhang, Mario Sanguinet

TEAM LEADER: Wanlin Gong

PUBLIC HEALTH QUESTION YOU ARE ANSWERING: How can we analyze public
health data & provide some recommendations for intervention & policy changes?

YOUR TEAM'S HACKATHON IDEA (IN TWO SENTENCES):
Create a system for non-profit health organizations and the government public health
officials to visualize and better understand relationships across heart disease,
environmental and socioeconomic factors, and health education, in turn using this
information to inform policy decisions and educational programs. Users can access this
website to see the impact of past programs in order to develop future programs with
increased impact to improve the health of San Diego residents with heart disease.

DATASET(S) YOU ARE USING FOR THE PROJECT (PROVIDE NAME AND URL):

LivewellSD Coronary Heart Disease: Hospitalizations, ED Discharges, and Deaths
2010-2013
https://data.livewellsd.org/Non-Communicable-Chronic-Disease/Coronary-Heart-Disease-Hospitalizations-2010-2013/sy73-x2ug
https://data.livewellsd.org/Non-Communicable-Chronic-Disease/Coronary-Heart-Disease-ED-Discharges-2010-2013/6z8t-yp6s
https://data.livewellsd.org/Non-Communicable-Chronic-Disease/Coronary-Heart-Disease-Deaths-2010-2013/vy4n-xfvk

LivewellSD 2013 San Diego demographics: Public programs, Vehicle availability,
Median Income
https://data.livewellsd.org/Demographic-Profiles/2013-San-Diego-Demographics-Public-Programs/pyh6-sk2m
https://data.livewellsd.org/Demographic-Profiles/2013-San-Diego-Demographics-Vehicle-Availability/v88c-ei7m
https://data.livewellsd.org/Demographic-Profiles/2013-San-Diego-Demographics-Median-Income/wkg4-4w22

In the future, we will also collect data from the non-profit organizations and government entities on the education programs offered, in order to visualize and map the relationships.

THE IMPACT OF THIS PROJECT ON PUBLIC HEALTH:
This system will create a wealth of prescriptive analytics, which can be used to provide business intelligence and expedite decision making for non-profit health organizations and government public health officials. Through this, San Diego residents will receive cost effective and efficient programs to positively impact those who most need it.

THE NEXT STEPS NEEDED TO LAUNCH THE PROJECT:
Data submission portal development - including server and webhost.
Fund development to support the project.