

Data Science 16 Change the World Project

Jason Lan and Bill Wong

Summary of the Project

- Who is on the project team?
 - Jason Lan and Bill Wong
- What is the main idea of the project? What is your MVP? What are your stretch goals?
 - The main idea of this project is studying how people's daily routine affect their sleeping pattern.
 - MVP: the MVP of this project would be a model that takes in a person's daily lifestyle, predicts how much sleep that person gets everyday and gives that person some advice such as how much sleep he should get at for people at his age and etc.
 - Stretch goal: make a website for this project and visualize in a aesthetically pleasing way to show the person taking the survey how some of his habits affect his sleep.
- In what way will it change the world? Why do you care about changing the world in this way?
 - This will change the world because it will raise awareness to bad sleeping habits and help people make better sleeping choices in their lives. We care about changing the world this way because as college students we struggle with questionable sleep habits and we want to learn more information about it and help others to improve their lives.
- What do you want to learn through doing this project?
 - We hope to learn about the sleep habits of the average person, as well as what makes people happier with their sleep/less tired in their day.
- Where will you get the data for your project?
 - http://www.cdc.gov/sleep/data_statistics.html
- What form will your final deliverable will take?
 - A website that lets user interact with our model.

Workflow and Schedule

- What will your workflow be while working on this project? How will this workflow support successful collaboration with your teammate?
 - Feb 26 Discuss Project Detail with Instructor
 - Feb 27-28 Data Exploration
 - Mar 1-4 First Predicting Model
 - Mar 5-6 Finalize Model After Mid-Project Check-in
 - Mar 7-10 Making the Website for the model
 - Mar 10 Reflection
- Where are you planning to be with this project by the mid-project checkin? (Think about this carefully, I'm going to ask you to report on how this went).
 - We will have a first iteration of our model that predicts sleep habits given certain demographics of a person.

Assessment

- How should your final deliverable be assessed? This assessment plan must be specific enough that I can apply it to your final deliverable.
 - Check whether our model provides an output with reasonable accuracy
 - Our website conveys our will of raising public awareness in sleeping habits