

# COMP6940 Assignment 1

## Data Visualization

**Date Due: Wednesday 28th February 2018, 11:59pm**

For this assignment students will use survey data on mental health, the data can be downloaded [here](#).

Students are required to explore the dataset, that is, students should use the appropriate graphs to plot the data and provide short narratives on each plot describing the inference that can be drawn. The expected plots are as follows:

1. Load and explore/describe dataset – 10 marks
2. Age Distribution. – 10 marks
3. Top countries where mental health is prevalent. – 10 marks
4. People with mental health who have a family history with mental health – 10 marks
5. People with mental health who have a family history without mental health – 10 marks
6. Do companies who employees feel take mental health as serious as physical health provide any benefits? – 10 marks
7. Do companies who employees feel take mental health as serious as physical health allow employees to take leave because of mental health? – 10 marks
8. People with mental health who receive treatment – 10 marks
9. People with mental health who do not receive treatment – 10 marks
10. Does work have a part to play with employee's mental health – 10 marks

The use of any python visualization library is permitted for plotting.  
Students are required to submit a Jupyter notebook file.

### Submission details:

Export/download your assignment from your Jupyter notebook.

Email submissions to: [nchamansingh@gmail.com](mailto:nchamansingh@gmail.com)

## Content

This dataset contains the following data:

- **Timestamp**
- **Age**
- **Gender**
- **Country**
- **state**: If you live in the United States, which state or territory do you live in?
- **self\_employed**: Are you self-employed?
- **family\_history**: Do you have a family history of mental illness?
- **treatment**: Have you sought treatment for a mental health condition?
- **work\_interfere**: If you have a mental health condition, do you feel that it interferes with your work?
- **no\_employees**: How many employees does your company or organization have?
- **remote\_work**: Do you work remotely (outside of an office) at least 50% of the time?
- **tech\_company**: Is your employer primarily a tech company/organization?
- **benefits**: Does your employer provide mental health benefits?
- **care\_options**: Do you know the options for mental health care your employer provides?
- **wellness\_program**: Has your employer ever discussed mental health as part of an employee wellness program?
- **seek\_help**: Does your employer provide resources to learn more about mental health issues and how to seek help?
- **anonymity**: Is your anonymity protected if you choose to take advantage of mental health or substance abuse treatment resources?
- **leave**: How easy is it for you to take medical leave for a mental health condition?
- **mental\_health\_consequence**: Do you think that discussing a mental health issue with your employer would have negative consequences?
- **phys\_health\_consequence**: Do you think that discussing a physical health issue with your employer would have negative consequences?
- **coworkers**: Would you be willing to discuss a mental health issue with your coworkers?
- **supervisor**: Would you be willing to discuss a mental health issue with your direct supervisor(s)?
- **mental\_health\_interview**: Would you bring up a mental health issue with a potential employer in an interview?
- **phys\_health\_interview**: Would you bring up a physical health issue with a potential employer in an interview?
- **mental\_vs\_physical**: Do you feel that your employer takes mental health as seriously as physical health?
- **obs\_consequence**: Have you heard of or observed negative consequences for coworkers with mental health conditions in your workplace?
- **comments**: Any additional notes or comments