**INFM600 ASSIGNMENT**

## OSMI Mental Health in Tech Survey

## Resources

OSMI Mental Health in Tech Survey (2016). *Data on prevalence and attitudes towards mental health among tech workers, 2016* [Dataset and JSON file]. Indiana: Open Sourcing Mental Illness Ltd.[producer]. Retrieved September 8, 2017 from Data.world Web site: <https://data.world/kittybot/osmi-mental-health-tech-2016>

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## Description

## In this fast-paced world, we often forget to enjoy friends, family and the environment and around us. This is true especially in the technical industry. A stress-free mind and an emotional satisfactory level of a person often leads to more productivity. The dataset contains information regarding existing mental health disorder, mental health benefits coverage in their insurance, mental health interference with work, would you be comfortable discussing mental health problems with your co-workers and several other parameters. This dataset will be quite educational and helpful. We can help create awareness about the importance of mental health among companies and their employers. It can also help the companies in providing the needed services and resources for their employees.

## Potential data users and decision makers

## Tech Companies who can implement policies and provide resources for maintaining wellness.

## Tech Company employees who need to avail the resources and help for good mental health if needed.

## Policy makers interested in helping people in the tech industry.

## Insurance firms interested in creating tailored for tech industry employees.

## The above data may help answer,

## How aware are employees about the mental health benefits in their company?

## What policies should be created to help good mental health in companies?

## What steps should tech companies take to bring about awareness and resources for mental health concerns?

## U.S Pollution Data

## Resources

## U.S Pollution Data. *Pollution in the U.S since 2000* [Dataset]. U.S. Environmental Protection Agency[producer]. Kaggle[distributor]. Retrieved September 5, 2017 from Kaggle Web site: <https://www.kaggle.com/sogun3/uspollution>

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U.S Pollution Data (n.d.) by U.S. [Environmental Protection Agency](https://aqsdr1.epa.gov/aqsweb/aqstmp/airdata/download_files.html) is an open dataset. Terms of Use. Retrieved September 9, 2017 from Kaggle website, <https://www.kaggle.com/terms>

## Description

## Harmful substances in the environment cause pollution. It leads to allergies, diseases and at times can be fatal to human life too. It also contributes to global warming. We, as a part of the human society should do our bit to help reduce global warming. This dataset contains values of 4 major harmful pollutants, state code, state, county code, county codes, date of monitoring since 2000, site numbers, addresses and cities. I believe that mining through a pollution dataset can be interesting and can help us identify relations between cities and increasing pollution levels. It will help us identify which pollutant is causing maximum damage using which policies and other measures can to carried out to reduce the causes and effects.

## Potential data users and decision makers

## Asthmatic patients wanting information on less air polluted areas.

## Schools and Hospitals looking for environmental friendly places to be built for children and patients.

## Industries looking into safer waste disposal methods.

## Real estate firms looking for promising properties.

## The above data may help answer,

## Which places are better for asthmatic or similar problem patients to reside?

## What kinds of wastes should be treated by industries before releasing it into the environment?

## Which places are suitable for real estate based on pollution levels?

## Cycle Share Data

## Resource

Cycle Share Data. *Bicycle Trip Data from Seattle's Cycle Share System* (2016) [Datasets]. Pronto Cycle Share [producer]. Kaggle[distributor]. Retrieved September 9, 2017 from Kaggle Web site: <https://www.kaggle.com/pronto/cycle-share-dataset> .

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Cycle Share Data (n.d.) by [Pronto Cycle Share](https://www.kaggle.com/pronto) is an open dataset. Terms of Use. Retrieved September 9, 2017 from Kaggle, <https://www.kaggle.com/terms>

## Description

Pronto Cycle Share was started during late 2014 shut down early this year on March 31. They are now looking for other cities who may be interested in buying them. There are 3 datasets present, each represents stations, trips and weather respectively. The datasets created can be used to find out about popular routes, peak usage of cycles during the day and even how weather affected cycle sharing. It will be interesting to work on the datasets and attempt to find out the cause for its shutdown.

## Potential data users and decision makers

## Transportation companies wanting information to decide if they are interested in branching a Cycle Share System concept.

## Startup organizations

## Cycle share users interested in cycle routes.

## State governments wanting to invest in a concept Cycle Share System.

**The above data may help answer,**

* How is Cycle Share System use affected by weather?
* Which are the peak use times of the Cycle Share System?
* Which are the most and least used bike routes, taking into consideration all types of weather?