

Mental Health in Tech

Data Description



Qualitative Nature

Shape (1259,27)

Categorized by Age and Gender

Company vs Employee

```
dataset.columns
```

```
Index(['Timestamp', 'Age', 'Gender', 'Country', 'state', 'self_employed',  
      'family_history', 'treatment', 'work_interfere', 'no_employees',  
      'remote_work', 'tech_company', 'benefits', 'care_options',  
      'wellness_program', 'seek_help', 'anonymity', 'leave',  
      'mental_health_consequence', 'phys_health_consequence', 'coworkers',  
      'supervisor', 'mental_health_interview', 'phys_health_interview',  
      'mental_vs_physical', 'obs_consequence', 'comments'],  
      dtype='object')
```

```
dataset.shape
```

```
(1259, 27)
```

The dataset is based on a single csv file where each row represents an individual (tech company employee) who was surveyed about his/her mental health and its correlation with various attributes.

Dataset Used: Mental Health in Tech Survey (By Open Sourcing Mental Illness, LTD)

* Open Sourcing Mental Illness is a non-profit, 501(c)(3) corporation dedicated to raising awareness, educating, and providing resources to support mental wellness in the tech and open source communities.

Problem Statement and Key Questions

How does the nature of work affect the way an employee responds to mental health issues?

How open are tech employees about their mental health in their workplace and what factors affect it?

Do companies and employees differentiate between the way they deal with mental and physical health?

Does the organizational culture of tech companies affect the mental health of employees? If so, how do companies and employees respond to such issues.

How does the tech company accommodate its employees with mental health issues?

Does poor mental health affect productivity?

What might be some confounding variables affecting the response of employees and companies towards mental and physical well-being?

Purpose

The dataset is obtained from a 2014 survey that measures attitudes towards mental health and puts forth a wide range of questions from the company and employee's perspective. It highlights the response to mental health issues, and various options available to tackle it. Our project proposes to make meaningful inference from the records available and analyze the gravity of mental health issues in tech firms back in 2014.

Group Details

AbracaData

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Task Division

Exploratory Data Analysis (All 5 members)

- Understanding which field is necessary and the approach towards the dataset

Data Cleaning (3 members)

- Standardizing records and removing unnecessary or incomplete details

Supplementary Research (2 members)

- Understanding confounding variables that might be present

Blog Post (2 main writers, rest will provide necessary information)

- Steps taken to prepare the dataset

Machine Learning

- Creating a statistical model and tuning parameters for optimization

Final Presentation

- Presenting a comprehensive report and the final optimized model

Dataset:

