Mental Health in Tech

Team 1

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Goal

Investigate the prevalence and characteristics of reported mental health issues in the tech industry.

Mental Health In The Tech Industry

Analytical Tasks and Key Data

Problem
Understand the prevalence and characteristics of reported mental health issues in the tech industry.

Data Source
Title: Mental Health Analysis in Tech Workplace (2014)
Source link: https://www.kaggle.com/datasets/osmi/mental-health-in-tech-survey

Collaborators
Md. Milon Uddin, Afia Farjana and Muntasir Mamun, and Miraz Al Mamun

Dataset
27 attributes: Age, Gender, Location, Company Size, Remote Work, Tech Company, support systems, among others.

Analytical Task #1
Understand company characteristics and % employees seeking treatment
Key Data
- Geography, Company Size, Tech Company, Seeking Treatment

Analytical Task #2
Understand employee characteristics and % employees seeking treatment
Key Data
- Gender, Age, Attitude, Seeking Treatment, Company Size, Geography

Analytical Task #3
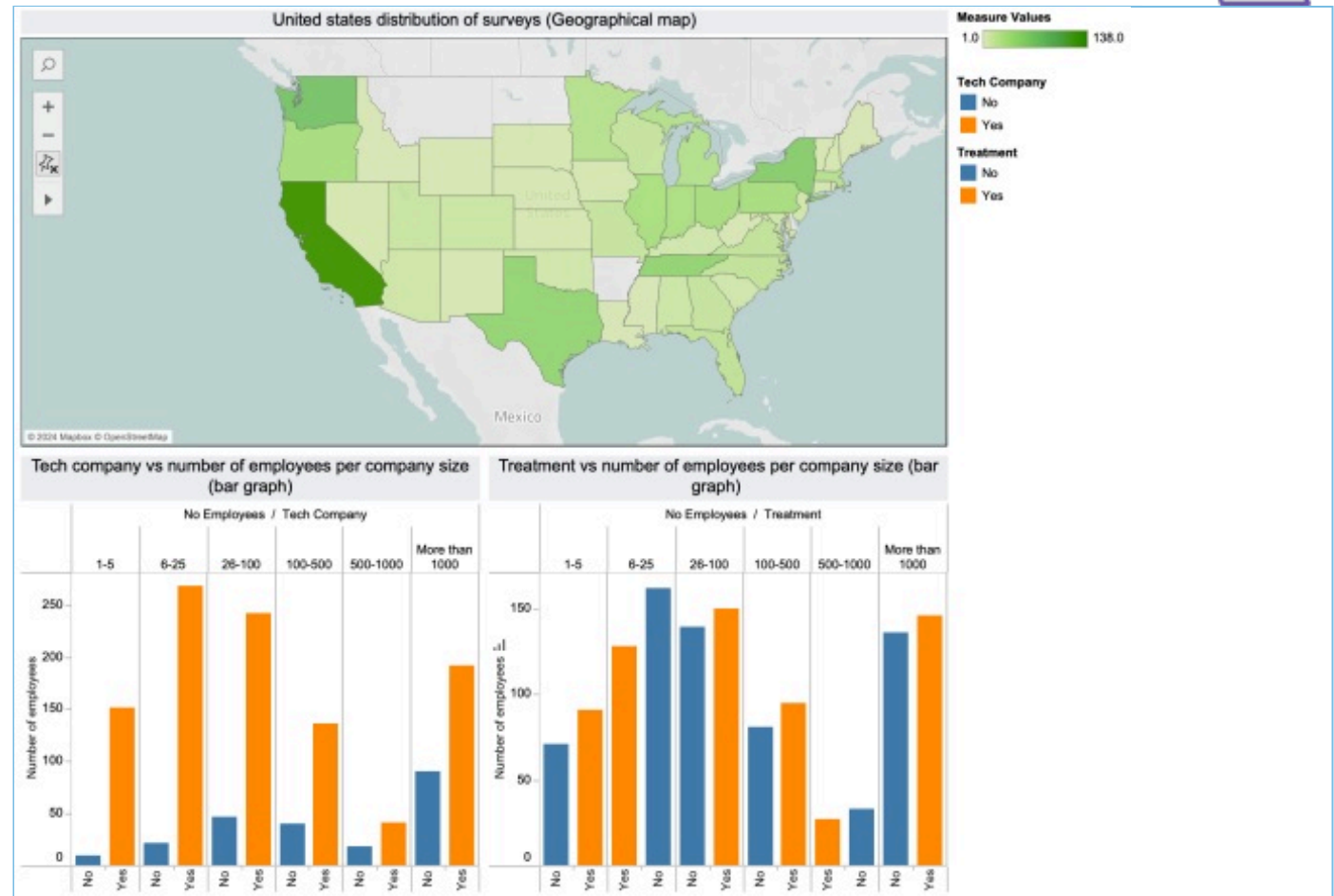Understand factors influencing employees seeking mental health treatment
Key Data
- Seeking Treatment, Willingness to Mention, Understand Mental Health Care Options, Company Size

Planned Visualization #1

Analytical Task #1
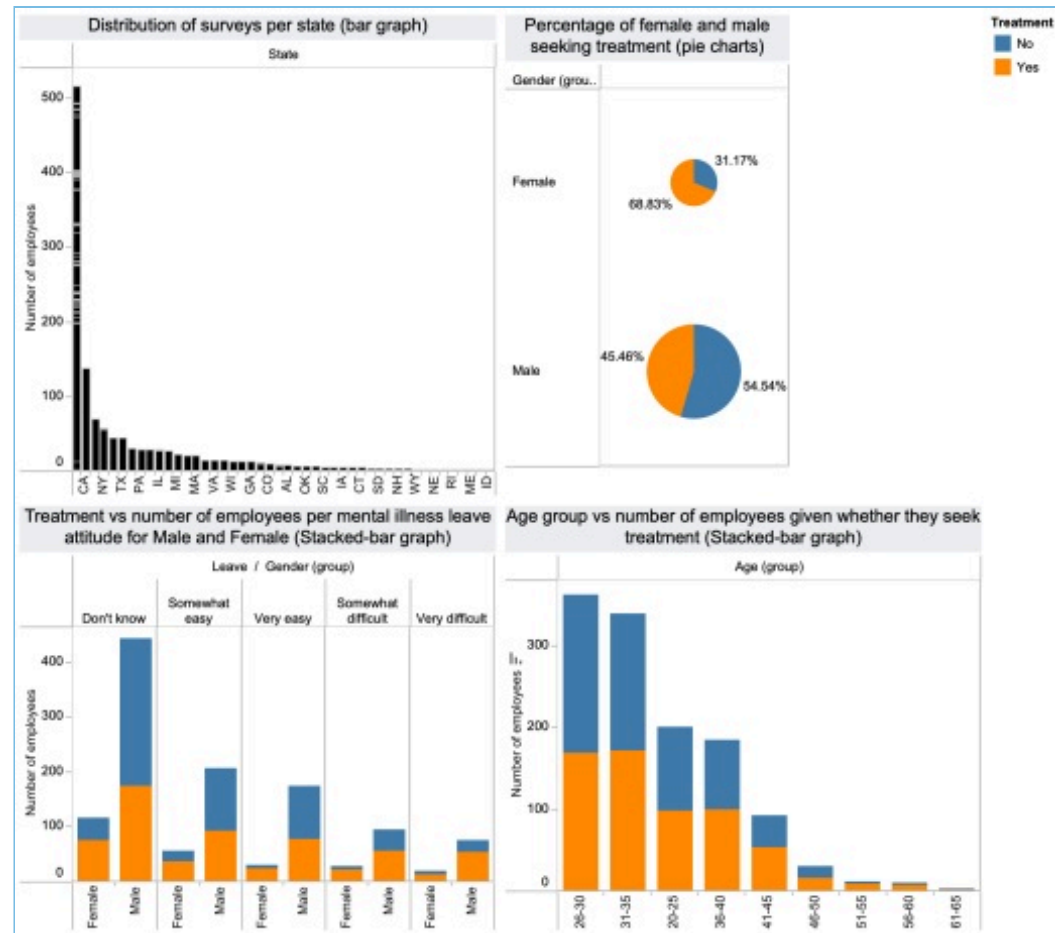Understand company characteristics and % employees seeking treatment

Planned Visualization #2

Analytical Task #2
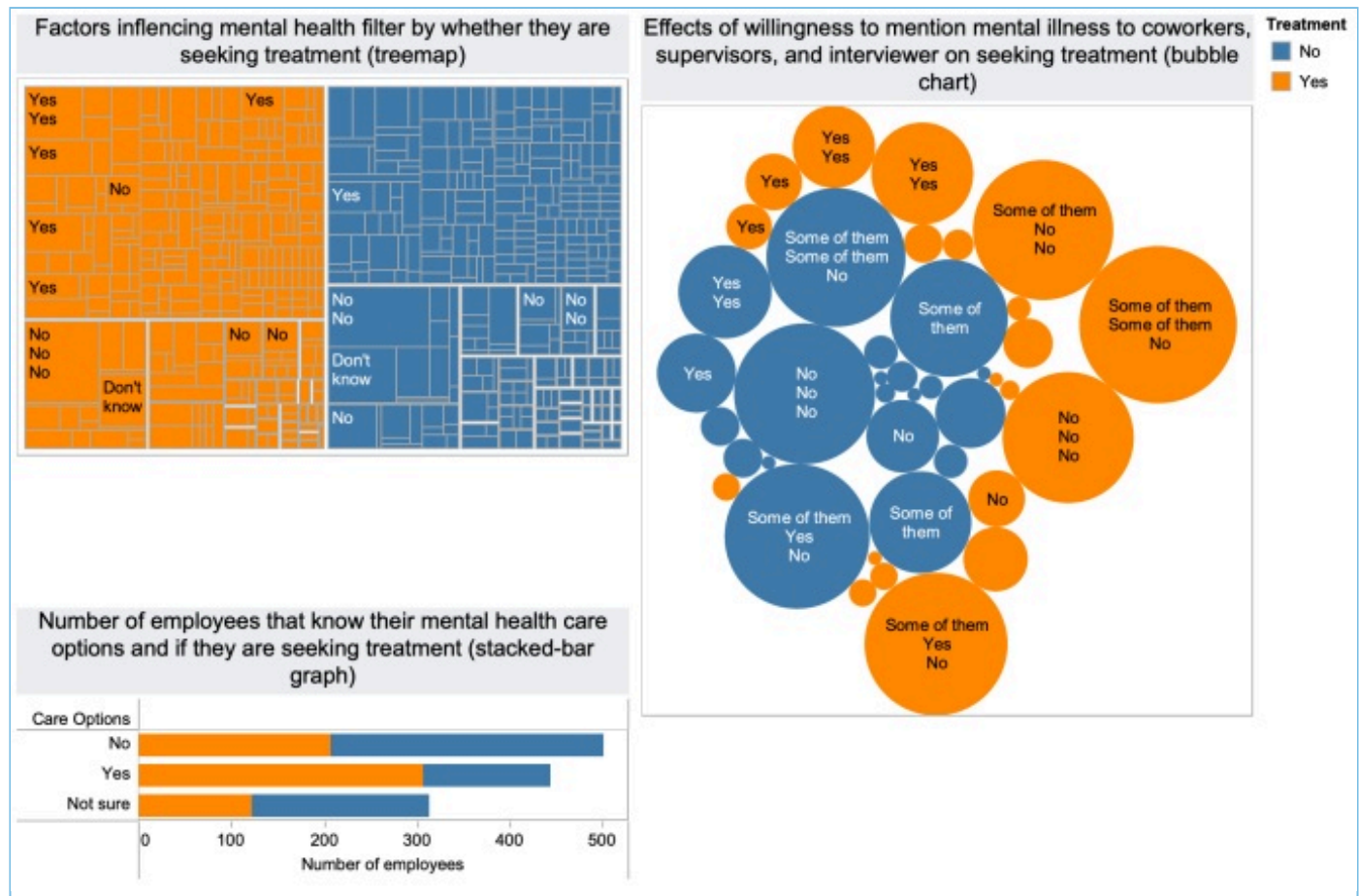Understand employee characteristics and % employees seeking treatment

Planned Visualization #3

Analytical Task #3
Understand factors influencing employees seeking mental health treatment.

Factors inflencing mental health filter by whether they are seeking treatment (treemap)

Effects of willingness to mention mental illness to coworkers, supervisors, and interviewer on seeking treatment (bubble chart)

Number of employees that know their mental health care options and if they are seeking treatment (stacked-bar graph)

Instructor Feedback / Issues Encountered

Instructor Feedback

#1 Lack time series data so line chart not recommended. Recommend column histogram chart to analyze age categories, can also incorprate gender in same chart.

   - **Done: We used a stacked bar graph to show age categories and size of company.**

#2 Too much similarity between visualizations. Need to leverage additional attributes available from dataset.

   - **Done: Added seeking treatment, leave attitude, mentality towards talking about mental illness.**

Issues Encountered

#1 Rebalanced age categories and fixed typos to enable category as data.

#2 Gender portion of dataset had many typos, these had to be fixed to be usable.

Current Status and Timeline

Identify Dataset, Project Proposal, Draft Visualizations

Feb 16th, 2024

Done

Mid-term Slides, Storyboard & Tableau Visualizations

Mar 15th, 2024

Done

D3 Visualizations & Final Report

Apr 29th, 2024

In Process

Final Poster & Presentation

May 13th, 2024

To Do

Thank You!