

Study on Women's Mental Health in Workspace

Irene Cheung

Motivation

Today we are more likely talk about mental health issues. But we rarely discuss how mental problems like depression and anxiety affect their work.

Objective

How mental health issues are impacts their careers and workplace happiness?

Hypothesis

1. Women say that mental problems are affecting their performance of the job.
2. Women more often reported feeling stressed when they are at work.



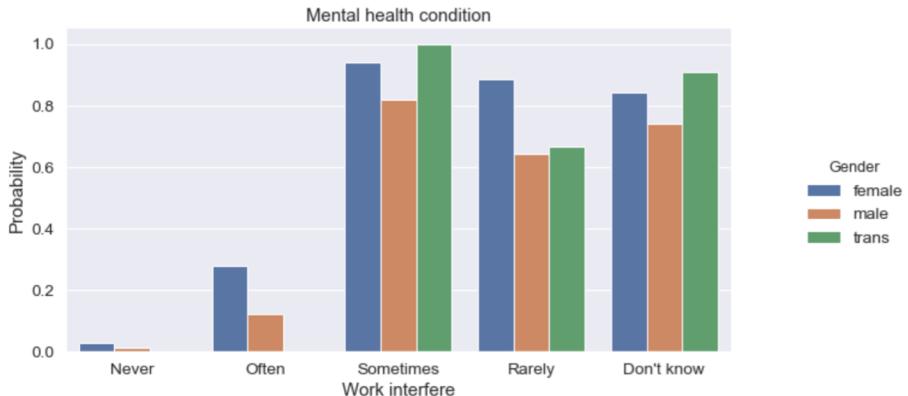
About Dataset:

Open Sourcing Mental Illness (OSMI) (<https://osmihelp.org/about/about-osmi>) 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. **EIN: 81-3587896**

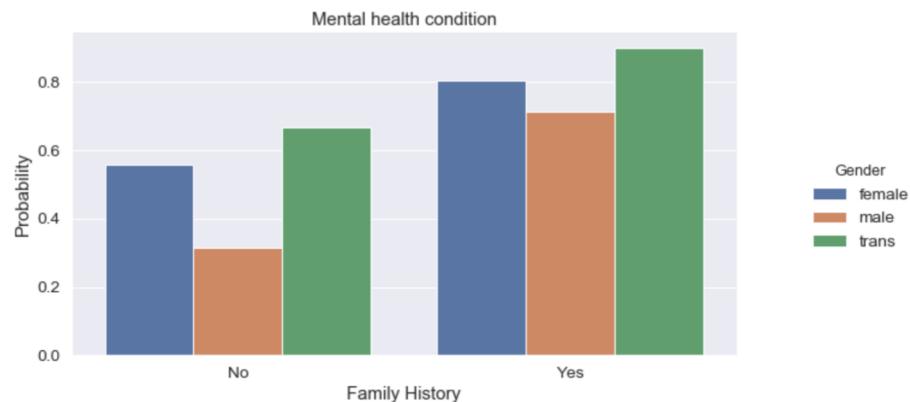
This survey conducted in 2014, with over 1200 responses, review the impact of mental health issues in the workplace.

Demographic Characteristics

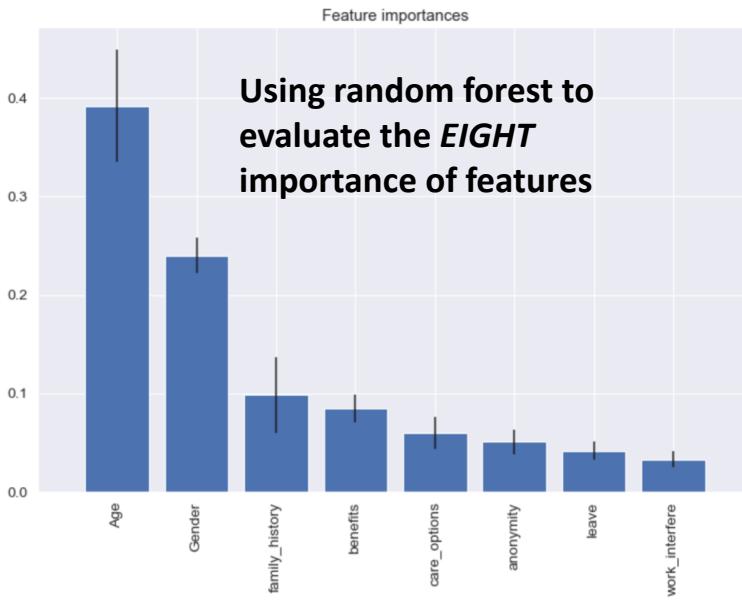
If you have a mental health condition, do you feel that it interferes with your work?



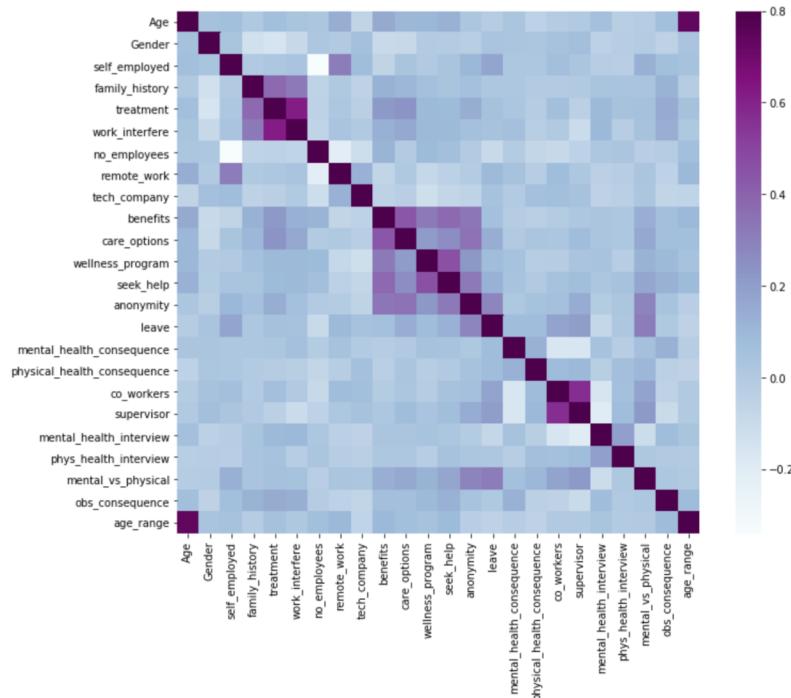
Do you have a family history of mental illness?



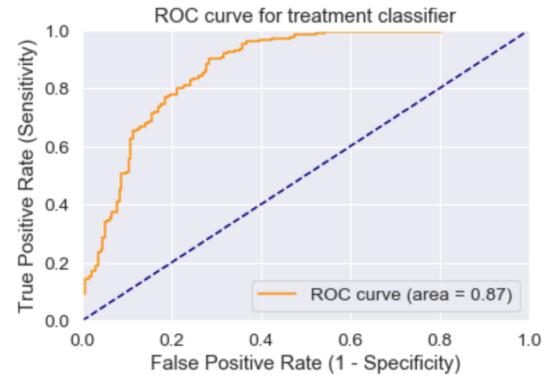
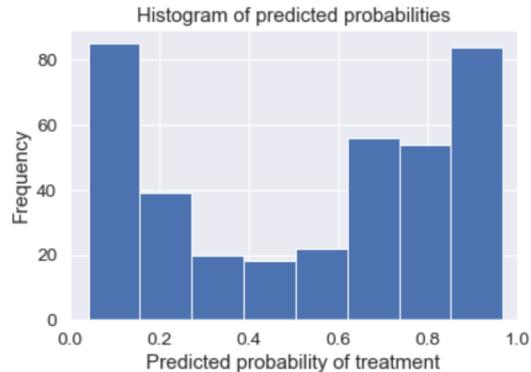
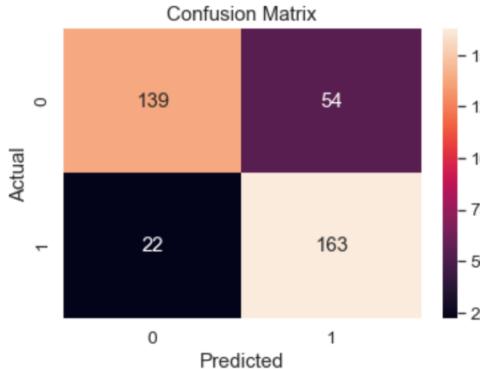
What are the strongest predictors of mental health problems?



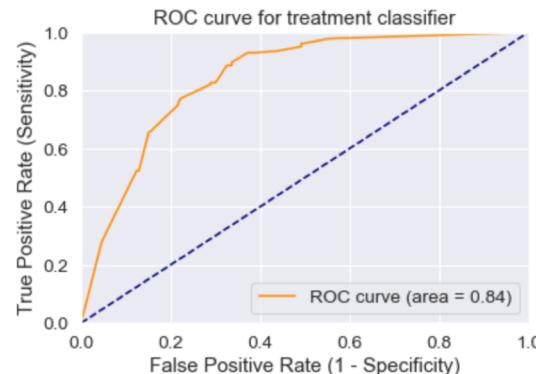
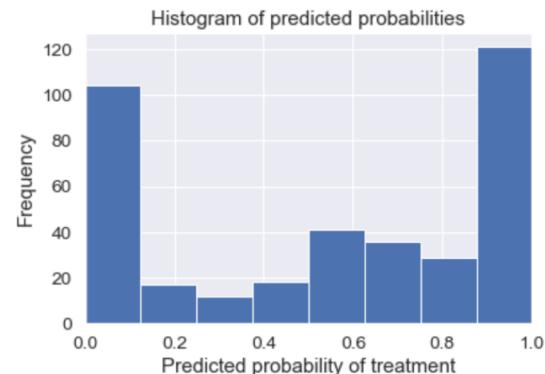
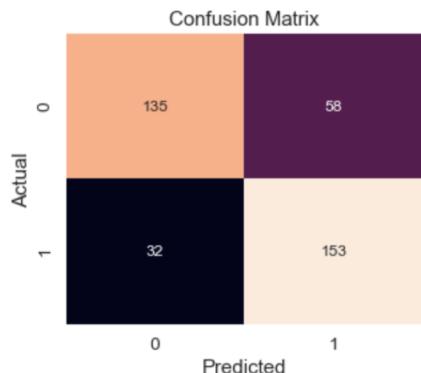
Covariance Matrix



Logistic Regression



Bagging



Conclusions

- Younger women are more likely to talk their mental health issues have impacted their job.
- Women are reported feeling stressed as they feel their employer does not provide a job supporting as well as mental well-being at work.
- By applying EIGHT machine learning algorithms, they can successfully predict 76-81% accuracy.

References: <https://osmihelp.org>

