



predicting  
**MENTAL HEALTH  
CONDITIONS**  
**IN THE WORKPLACE**

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**Build a  
CLASSIFICATION MODEL  
to predict mental  
health condition**

1. Evaluate the feature importances
2. Find out risk factors for employees
3. Make strategies for companies

**MVP** AND GOALS

DATA: MENTAL HEALTH SURVEY 2015



more than **64%**

of employees say stress  
and anxiety impact their  
workplace performance.



# 55%

HAVE SOUGHT  
TREATMENT

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# 68%

don't know about medical  
leave for a mental health  
condition or it is difficult for  
them to take it



- **Random Forest**
- Logistic regression
- Decision tree
- KNN
- Naive Bayes
- SVC

## MODEL SELECTION

**83%**  
ACCURACY





The infographic consists of a central cluster of blue hexagons. On the left, a large hexagon contains the text 'WORK INTERFERENCE'. To its right is a smaller hexagon with a white link icon. Further right is a cluster of seven hexagons arranged in a honeycomb pattern. These hexagons contain the following text: 'WOMEN OR TRANSGENDER', 'FAMILY HISTORY', 'COMPANY SIZE UP TO 50 EMPLOYEES', 'UNFRIENDLY COWORKERS', '32-36 YEARS OLD', and 'HIGH INCOME AREA'. There are also two small blue hexagons that do not contain text, one at the top and one at the bottom of the central cluster.

**WORK  
INTERFERENCE**

**WOMEN  
OR  
TRANSGENDER**



**FAMILY  
HISTORY**

**COMPANY  
SIZE  
UP TO 50  
EMPLOYEES**

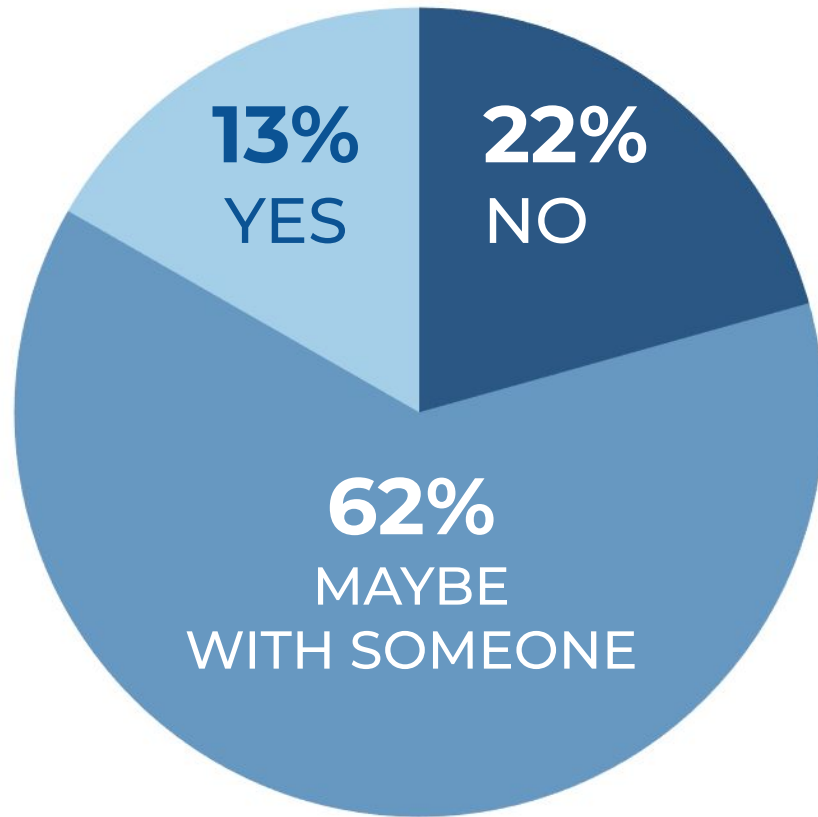
**UNFRIENDLY  
COWORKERS**

**32-36  
YEARS OLD**

**HIGH  
INCOME  
AREA**

**ARE YOU**  
**AT RISK?**

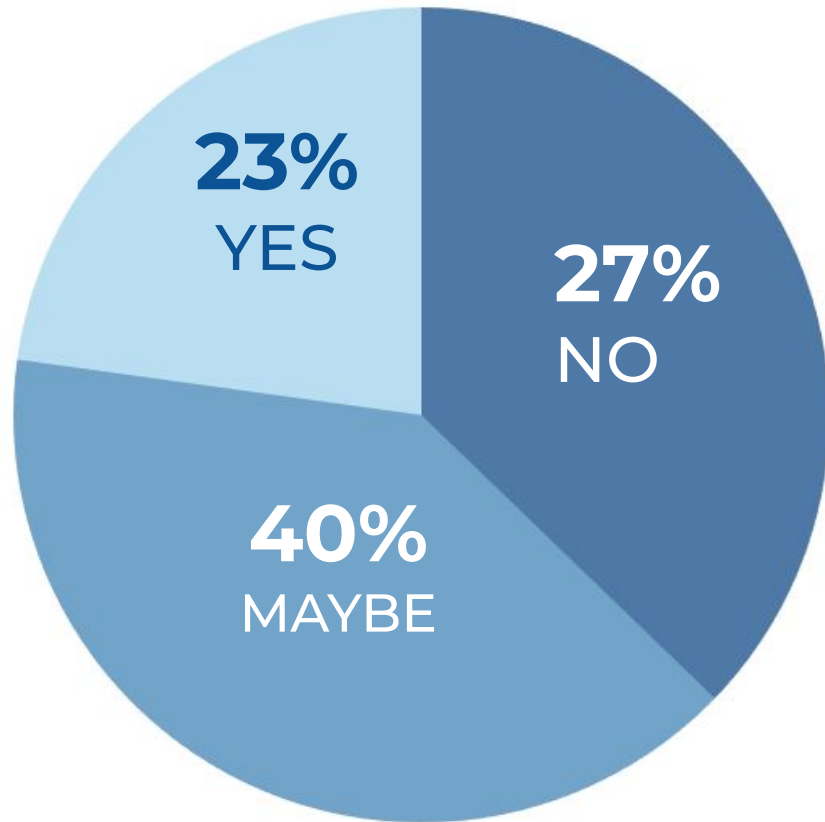
check it now!



**WILLING TO DISCUSS**  
A MENTAL HEALTH ISSUE  
WITH **COWORKERS**







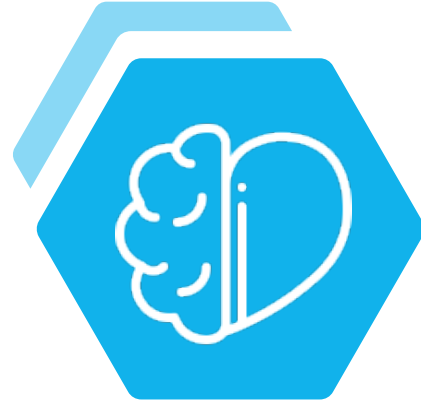
DISCUSSING A MENTAL  
HEALTH ISSUE WITH AN  
EMPLOYER WOULD HAVE  
**NEGATIVE CONSEQUENCES**







improve  
**MANAGEMENT**



equality of importance  
**MENTAL VS PHYSICAL HEALTH**



eliminate  
**CONSEQUENCES**



easier  
**SICK LEAVE**



improve  
**MORALE WITHIN WORKSPACE**

**SIMPLE STRATEGIES**  
YOU CAN FOLLOW

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MOST MENTAL HEALTH DISORDERS ARE CAUSED  
BY **GENETIC FACTORS**

**YOU CAN'T BE DISCRIMINATED BY:**

YOUR SKIN...  
YOUR BLOOD...  
YOUR **GENES!**

**MENTAL AND PHYSICAL HEALTH  
ARE EQUALLY IMPORTANT!**



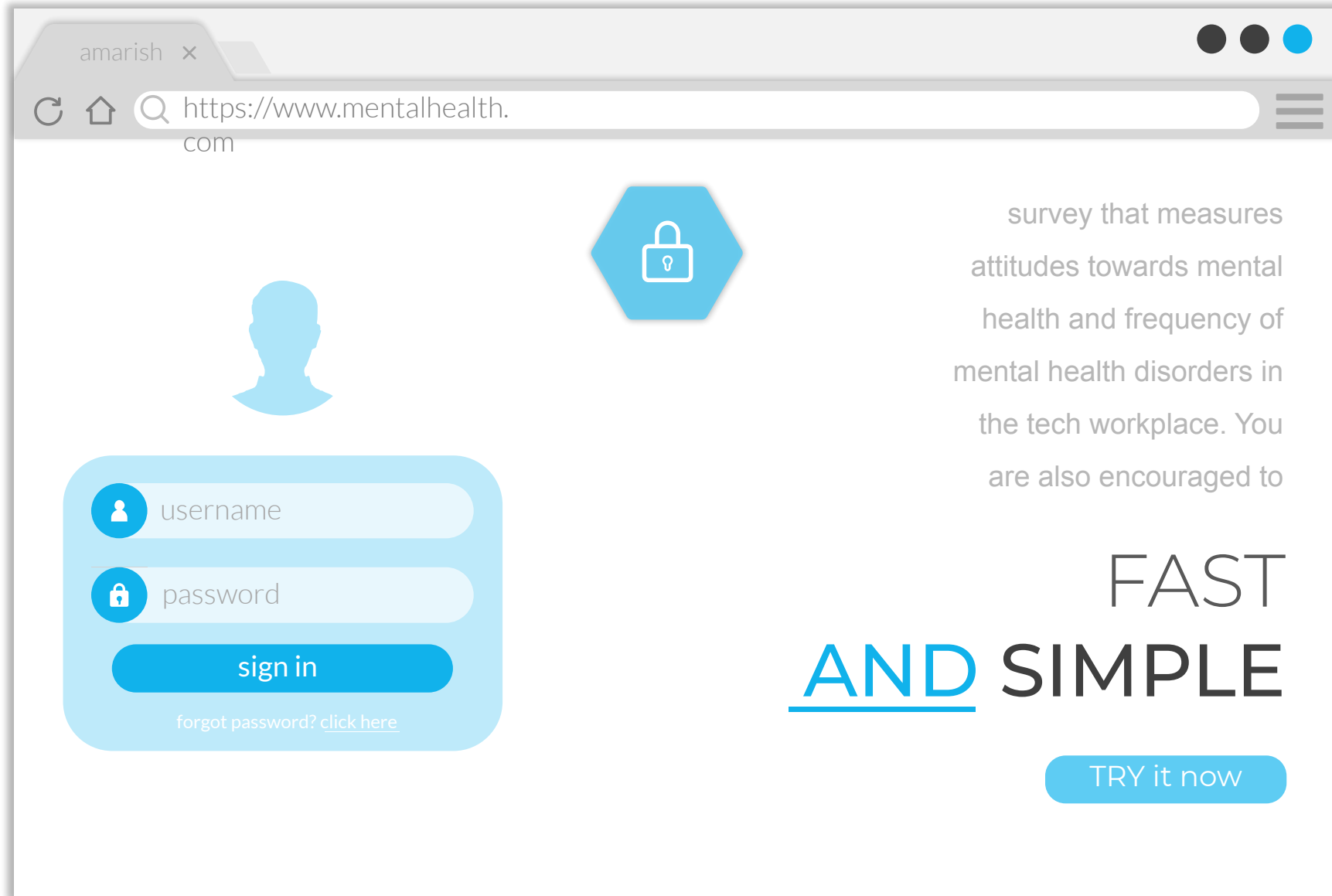


# Thank you!

Questions?







visit our  
website  
to predict  
your  
mental  
health  
condition