

# EDA

# Mental Health in Tech Survey

Ironhack | Data Analytics Bootcamp | Silvia Nicolau | Feb 2020

# Main questions ?

- ❑ Which are the sub-groups of people with a MH condition?
- ❑ Which are the employment factors that influence having a MH condition the most?

# Workflow

## Read Data

- Data overview – check rows and columns, types, nulls and values

## Clean Data

- Remove timestamp and comments
- Interpret country and state (and remove the non-relevants)
- Normalize age records
- Normalize gender records

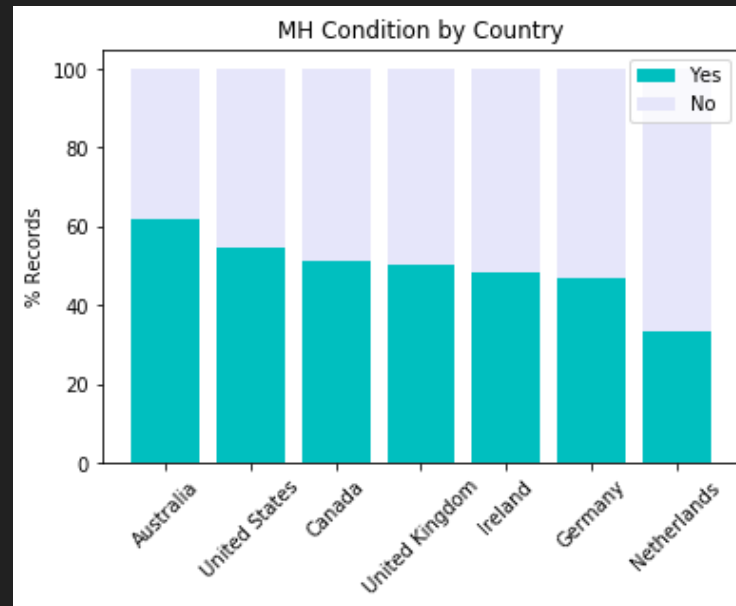
## Analyse Data - MVP

- MH condition by country
- MH condition by age
- MH condition by gender

## Analyse Data – Deep Dive

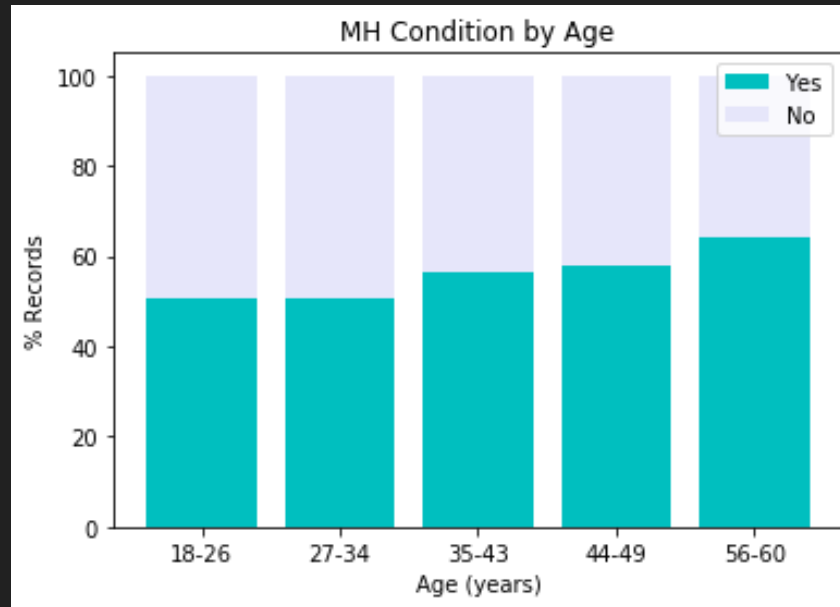
- Influence of self-employment
- Influence of remote work
- Influence of tech company

# MH Condition by Country



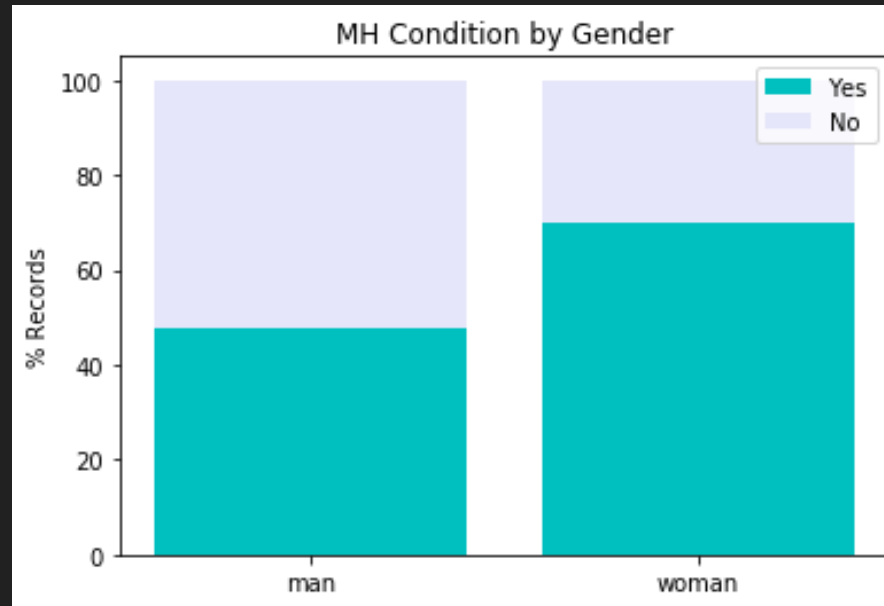
- ❑ From the sample of countries surveyed, the country with more people with MH condition is Australia and the one with less is The Netherlands.
- ❑ In general about 50% of the people do have a MH condition which is a very significant insight itself.

# MH Condition by Age



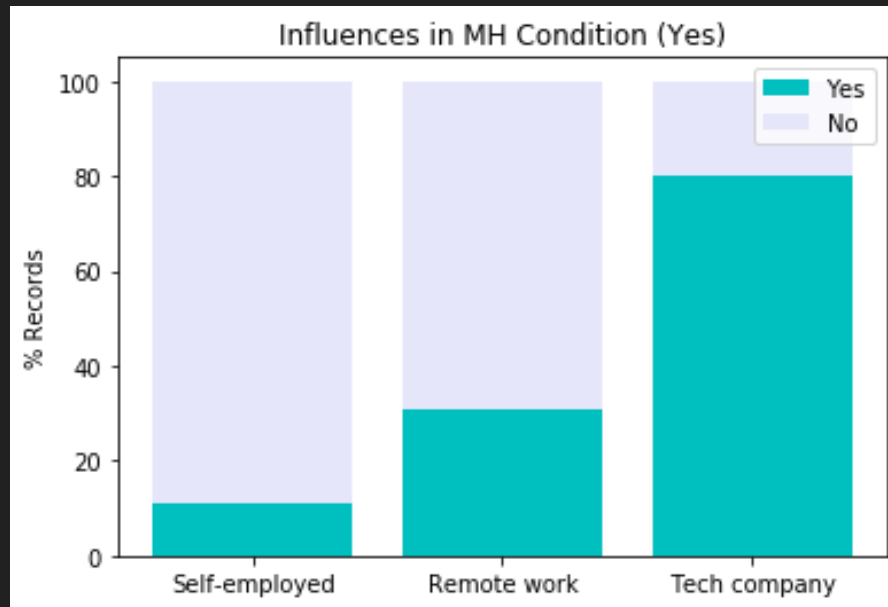
- ❑ The age is grouped by ranges to get a clearer insight, using the mean of records.
- ❑ The chart shows a slightly increasing tendency of MH condition with age.
- ❑ It would be interesting to have records from people over 60 to confirm this tendency.

# MH Condition by Gender



- ❑ There are more woman with MH condition than man.
- ❑ Although this chart is done with the weighted records of woman and man, it's importante to note that there are almost 4 times more records from man than from woman.

# Influence of employment factors



- ❑ Among the people with a MH condition there are few self-employed, some working remotely and many working in a tech company.
- ❑ So there seems to be a strong direct relation between having a MH condition and working in Tech!