





## /INTRODUCTION



#### / 01 / SURVEY OVERVIEW

/02 /HYPOTHESIS

> Overview of questions/answers Hypothisis and
results

#### **/03** /IMPROVMENTS

nd

/04 /CONCLUSION

What did I learn and
 where can i make
 improvments

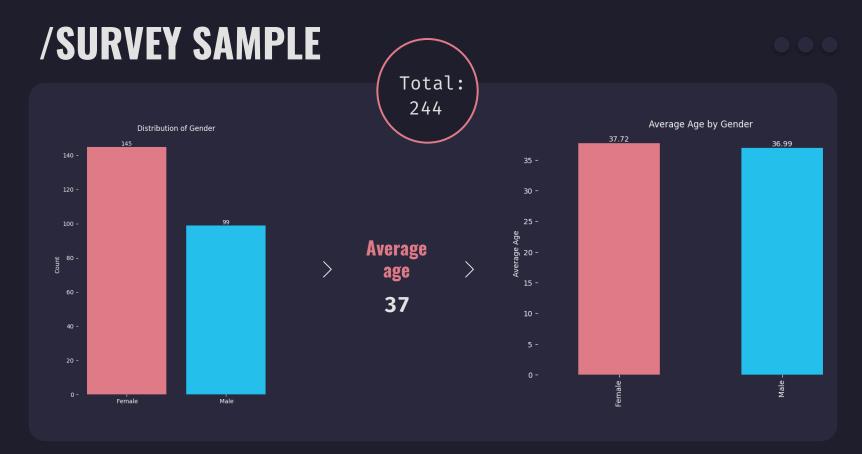
> The project ends here







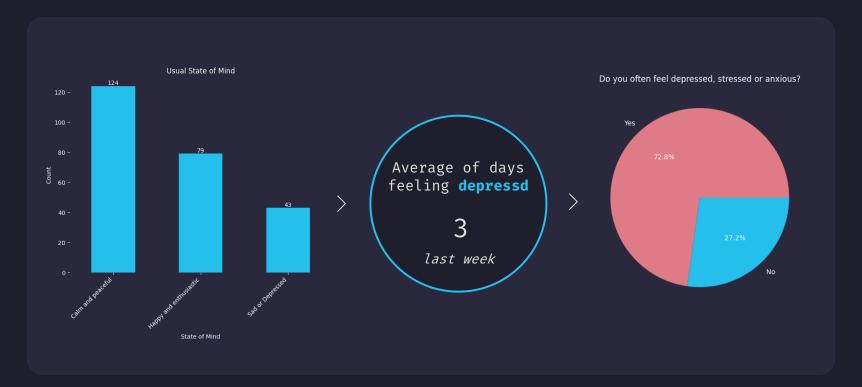








# **/SURVEY SAMPLE**





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# **/SURVEY SAMPLE**





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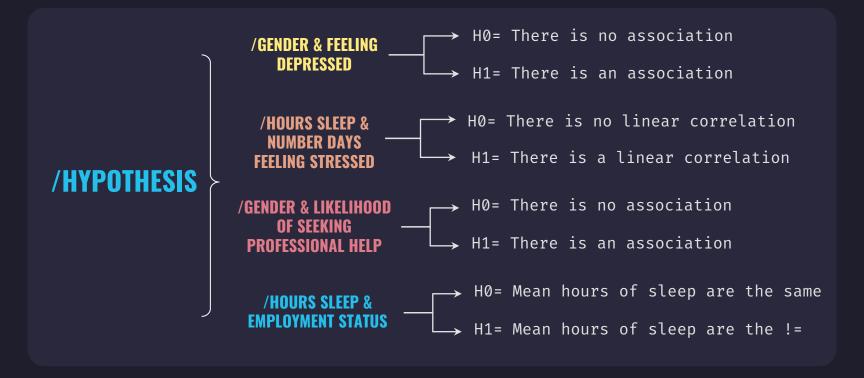


# **/SURVEY SAMPLE**













/ gender and the fact of feeling depressed, stress or anxious Distribution of Feeling Depressed, Stressed, or Anxious by Gender 120 -Feeling Depressed, Stressed, or Anxious # H0: There is **no** association No 100 -# H1: There is **an** association Chi-Square Value: 12.942778330393152 P-value: 0.0003211580128304274 60 **strong evidence** to suggest that there is a statistically 20 significant association between the variables Gender and depressed mood Male Female Gender





/ hours of sleep *vs* number of days feeling anxious

# H0: There is **no** association

# H1: There is **an** association

Chi-Square Value: 14.841304972310123

P-value: 0.0005987583365046322

The negative correlation coefficient suggests that, on average, individuals who report more hours of sleep tend to report fewer days feeling anxious, and vice versa.

Average hours sleep

6,73

Average of days feeling depressd

3

last week













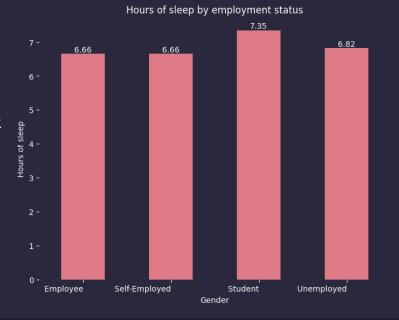


/ hours of sleep are the same across all employment status groups

# H0: hours of sleep **are the same** across all employment status groups

# H1: hours of sleep **are different** across at least one pair of employment status groups

To see if there is statistically significant difference in the average hours of sleep between employment status group we can do…











/ hours of sleep are the same across all employment status groups

```
# HO: hours of sleep are the same across all employment status groups
```

# H1: hours of sleep are different across at least one pair of employment status groups

#### **Tukey's HSD**

Multiple Comparison of Means - Tukey HSD, FWER=0.05							
group1	group2	meandiff	p-adj	lower	upper	reject	
Employee	Self-Employed	0.0011	1.0	-0.5623	0.5645	False	
Employee	Student	0.6927	0.0316	0.0428	1.3425	True 🗲	
Employee	Unemployed	0.1684	0.9365	-0.5759	0.9126	False	
Self-Employed	Student	0.6916	0.1169	-0.1091	1.4923	False	
Self-Employed	Unemployed	0.1673	0.9608	-0.7118	1.0463	False	
Student	Unemployed	-0.5243	0.4709	-1.4611	0.4125	False	









## **/ANOTHER EXAMPLE**

/ hours of sleep and usual state of mind

#HO: There is no significant difference ◀

#H1: There is a significant difference

#### Tukey's HSD

Multiple Comparison of Means - Tukey HSD, FWER=0.05								
group1	group2	meandiff	p-adj	lower	upper	reject		
Calm and peaceful Calm and peaceful Happy and enthusiastic	Happy and enthusiastic Sad or Depressed Sad or Depressed	-0.4781	0.0439	-0.9459	-0.0102			









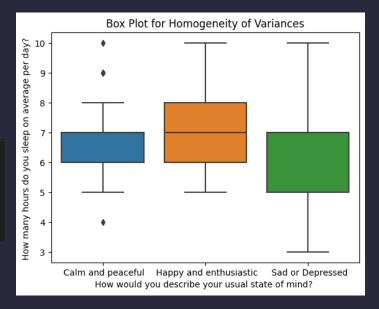
## **/ANOTHER EXAMPLE**

/ hours of sleep and usual state of mind

#HO: There is no significant difference

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Multiple Comparison of Means - Tukey HSD, FWER=0.05							
group1	group2	meandiff	p-adj	lower	upper	reject	
Calm and peaceful Calm and peaceful Happy and enthusiastic	Happy and enthusiastic Sad or Depressed Sad or Depressed	-0.4781	0.0439	-0.9459	-0.0102	True	











# /IMPROVEMENTS



#### **SURVEY**

open-ended questions

. . . . . .

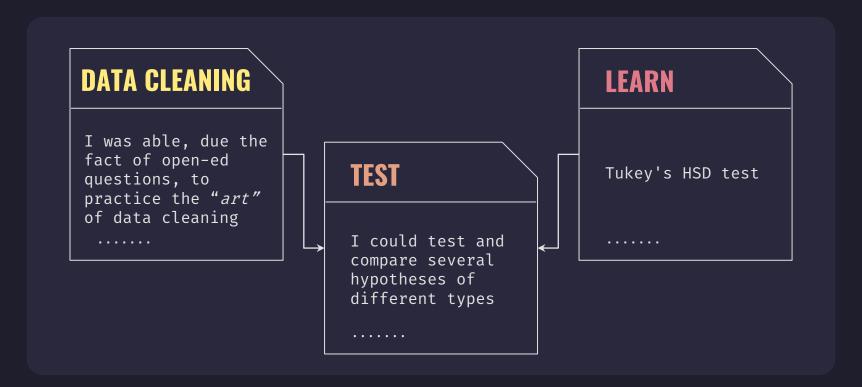








# **/POSITIVE POINTS**







# <Thank you>

Questions?







