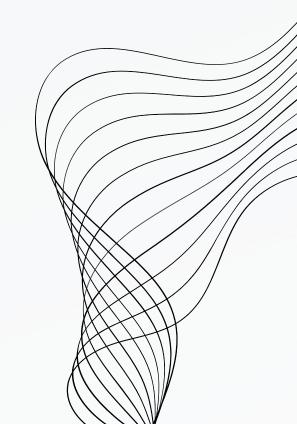


# SEATWORK 6.1 EXPLORATORY DATA ANALYSIS ON YOUR OWN DATASET



## DATASET

[2]	import filepat mentalH	pandas as pd numpy as np h = ' <u>/content/Studen</u> ealth_df=pd.read_csv ealth_df	n <u>t</u> Mental health.csv' v(filepath)									
		Timestamp	Choose your gender Age	What is your course?	Your current year of Study	What is your CGPA?	Marital status	Do you have Depression?	Do you have Anxiety?	Do you have Panic attack?	Did you seek any specialist for a treatment?	
	0	8/7/2020 12:02	Female 18.0	Engineering	year 1	3.00 - 3.49	No	Yes	No	Yes	No	
	1	8/7/2020 12:04	Male 21.0	Islamic education	year 2	3.00 - 3.49	No	No	Yes	No	No	
	2	8/7/2020 12:05	Male 19.0	BIT	Year 1	3.00 - 3.49	No	Yes	Yes	Yes	No	
	3	8/7/2020 12:06	Female 22.0	Laws	year 3	3.00 - 3.49	Yes	Yes	No	No	No	
	4	8/7/2020 12:13	Male 23.0	Mathemathics	year 4	3.00 - 3.49	No	No	No	No	No	
	96	13/07/2020 19:56:49	Female 21.0	BCS	year 1	3.50 - 4.00	No	No	Yes	No	No	
	97	13/07/2020 21:21:42	Male 18.0	Engineering	Year 2	3.00 - 3.49	No	Yes	Yes	No	No	
	98	13/07/2020 21:22:56	Female 19.0	Nursing	Year 3	3.50 - 4.00	Yes	Yes	No	Yes	No	
	99	13/07/2020 21:23:57	Female 23.0	Pendidikan Islam	year 4	3.50 - 4.00	No	No	No	No	No	
	100	18/07/2020 20:16:21	Male 20.0	Biomedical science	Year 2	3.00 - 3.49	No	No	No	No	No	
	101 rows	s × 11 columns										

#### DEPRESSION

```
Ydepression = mentalHealth_df[mentalHealth_df['Do you have Depression?'] == 'Yes']
     Ydepression.shape[0]
     35
[50] percentage_depression = (Ydepression.shape[0] / t_records) *100
     print("Percentage of student that have depression:",round(percentage_depression, 2),"%")
     Percentage of student that have depression: 34.65 %
[51] Ndepression = mentalHealth_df[mentalHealth_df['Do you have Depression?'] == 'No']
     Ndepression.shape[0]
     66
[52] Npercentage_depression = (Ndepression.shape[0] / t_records) * 100
     print("Percentage of student that don't have depression:",round(Ndepression.shape[0], 2),"%")
     Percentage of student that don't have depression: 66 %
```

### ANXIETY

```
[53] Yanxiety = mentalHealth_df[mentalHealth_df['Do you have Anxiety?'] == 'Yes']
     Yanxiety.shape[0]
     34
[54] percentage_anxiety = (Yanxiety.shape[0] / t_records) *100
     print("Percentage of student that have axiety:",round(percentage_anxiety, 2),"%")
     Percentage of student that have axiety: 33.66 %
[55] Nanxiety = mentalHealth_df[mentalHealth_df['Do you have Anxiety?'] == 'No']
     Nanxiety.shape[0]
     67
[56] Npercentage_anxiety = (Nanxiety.shape[0] / t_records) *100
     print("Percentage of student that have don't axiety:",round(Npercentage_anxiety, 2),"%")
     Percentage of student that have don't axiety: 66.34 %
```

#### PANIC ATTACK

```
[57] Ypanic = mentalHealth_df[mentalHealth_df['Do you have Panic attack?'] == 'Yes']
     Ypanic.shape[0]
     33
[58] percentage_panic = (Ypanic.shape[0] / t_records) *100
     print("Percentage of student that have have panic attack:",round(percentage_panic, 2),"%")
     Percentage of student that have have panic attack: 32.67 %
[59] Npanic = mentalHealth_df[mentalHealth_df['Do you have Panic attack?'] == 'No']
     Npanic.shape[0]
     68
[60] Npercentage_panic = (Npanic.shape[0] / t_records) *100
     print("Percentage of student that have have don't panic attack:",round(Npercentage_panic, 2),"%")
     Percentage of student that have have don't panic attack: 67.33 %
```

## STUDENT THAT SEEK SPECIALIST FOR A TREATMENT

```
[61] Ytreatment = mentalHealth_df[mentalHealth_df['Did you seek any specialist for a treatment?'] == 'Yes']
     Ytreatment.shape[0]
    percentage_treatment = (Ytreatment.shape[0] / t_records) * 100
     print("Percentage of student that seek specialist for a treatment:",round(percentage_treatment, 2),"%")
     Percentage of student that seek specialist for a treatment: 5.94 %
[63] Ntreatment = mentalHealth_df[mentalHealth_df['Did you seek any specialist for a treatment?'] == 'No']
     Ntreatment.shape[0]
     95
[64] Npercentage_treatment = (Ntreatment.shape[0] / t_records) * 100
     print("Percentage of student that seek specialist for a treatment:",round(Npercentage_treatment, 2),"%")
     Percentage of student that seek specialist for a treatment: 94.06 %
```