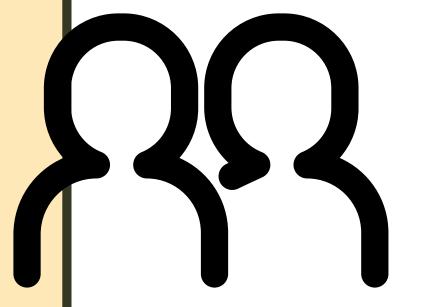


Group Members:

BSDSF22M011 Muhammad Ali Raza BSDSF22M041 Mohammad Ammar







Key Factors Gathered















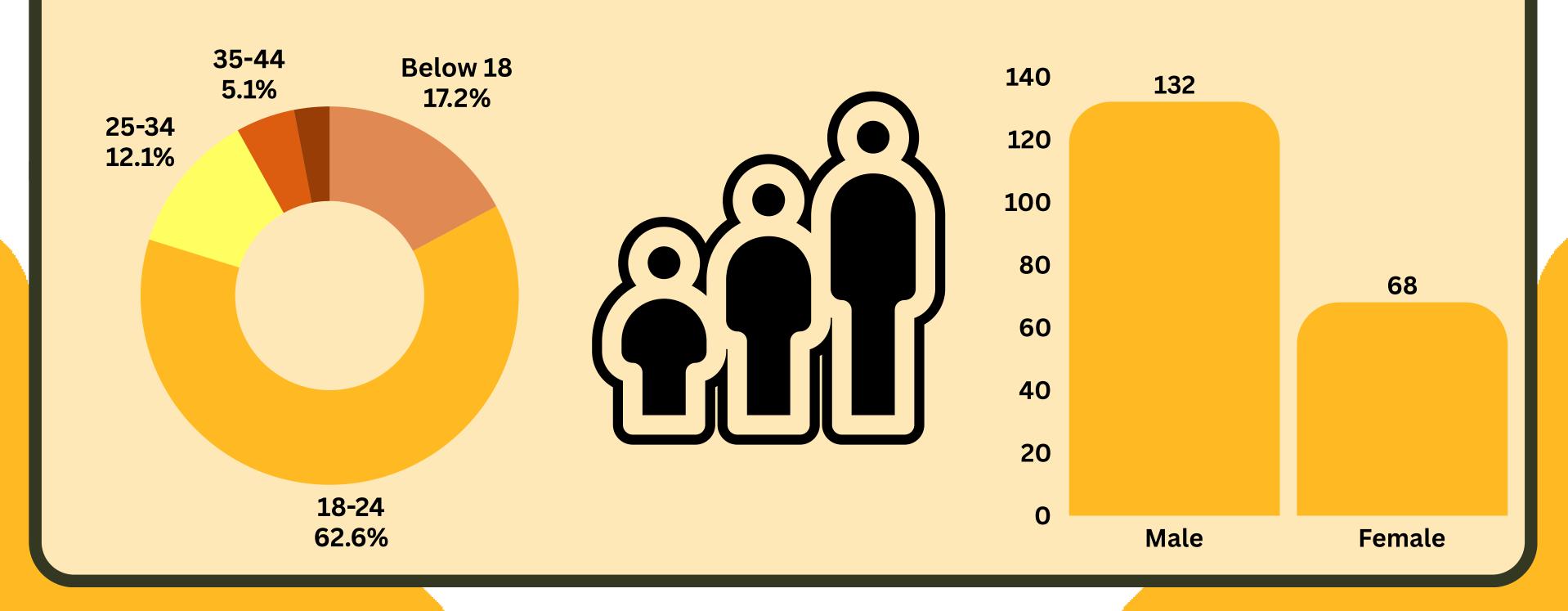




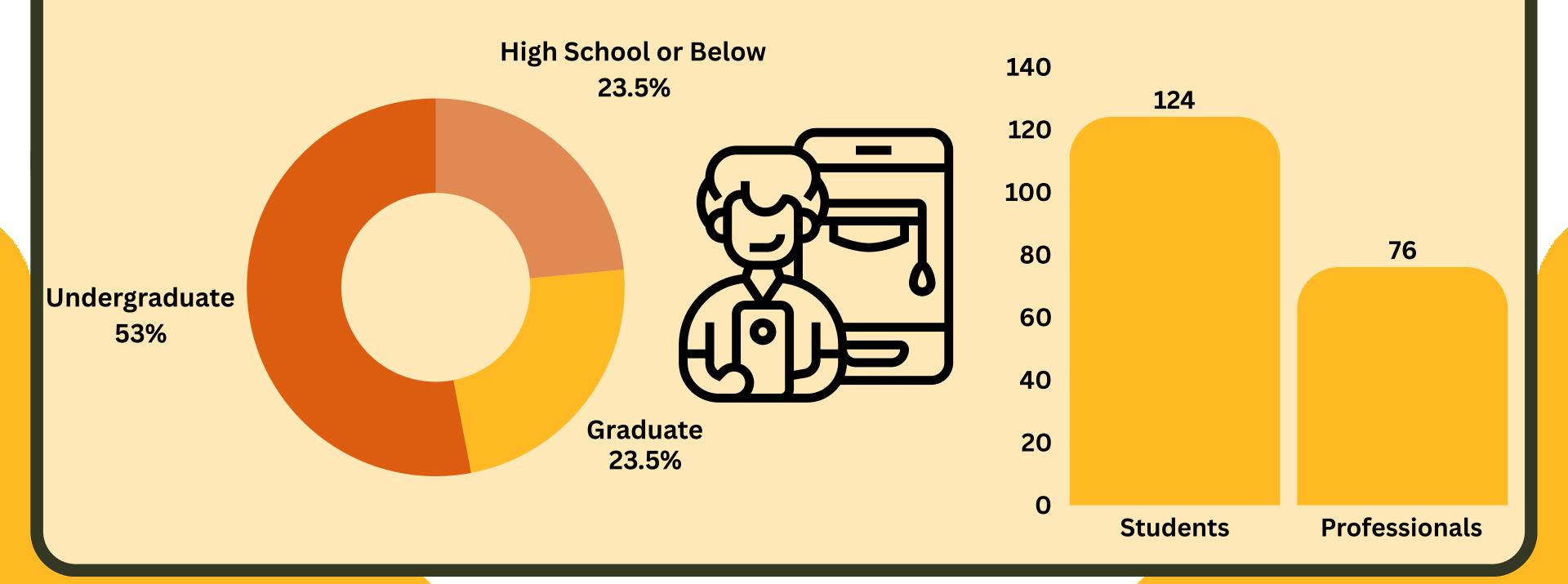


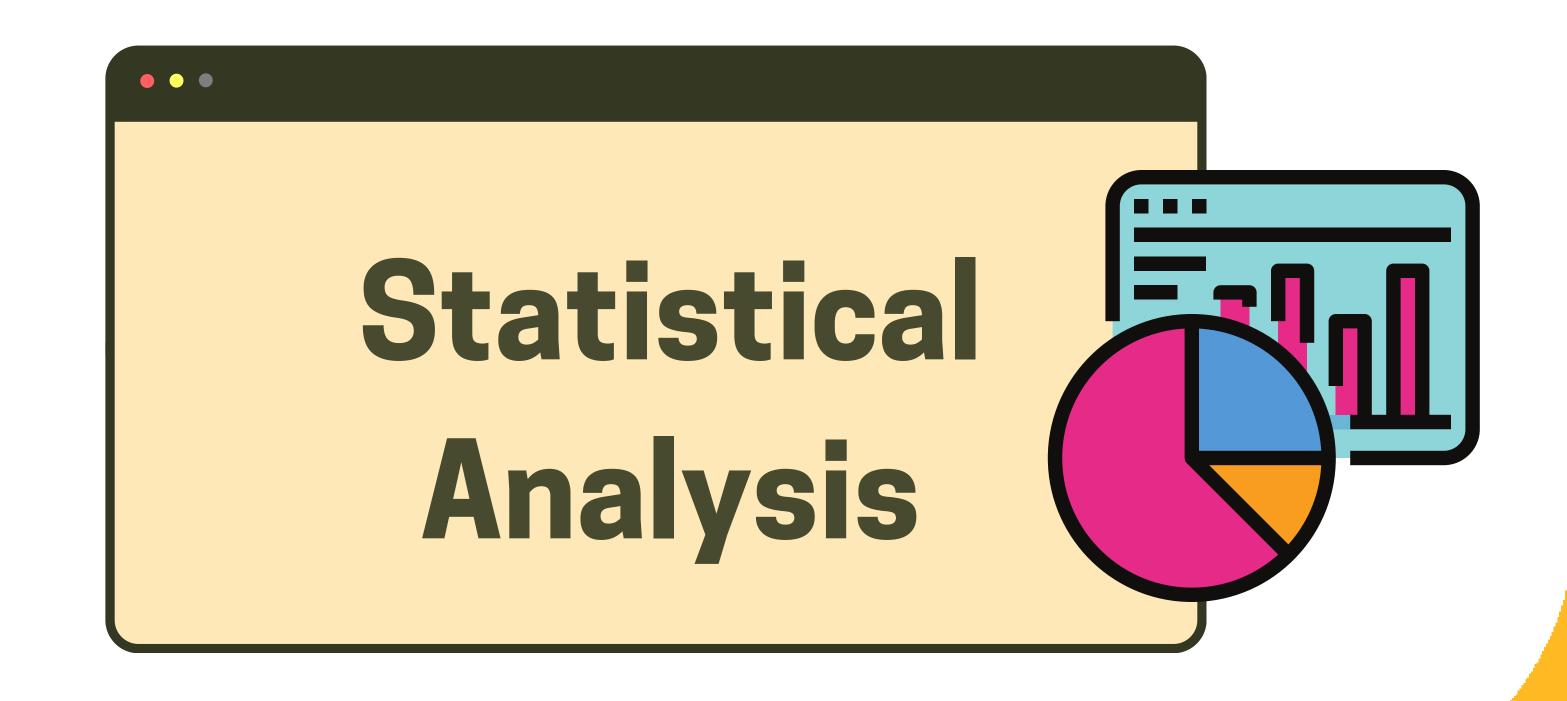


Age Groups & Gender

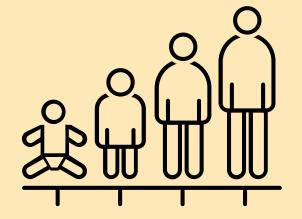


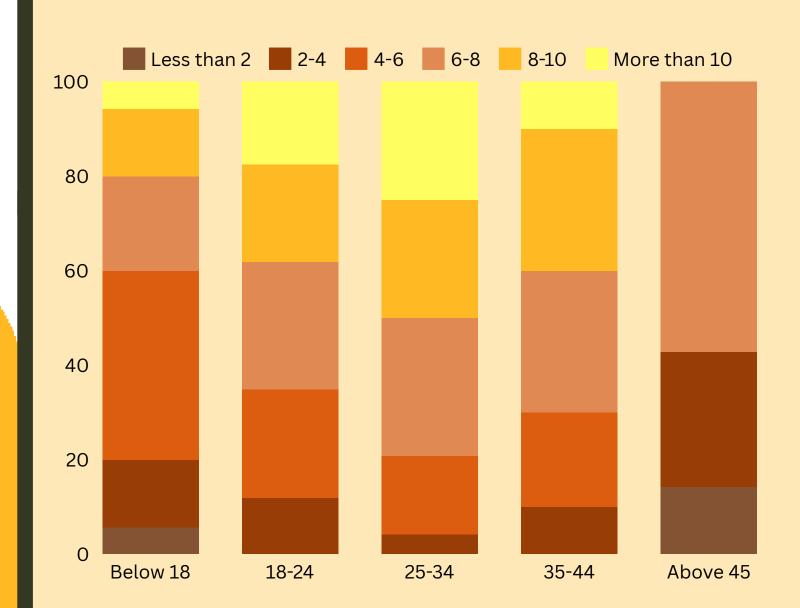
Education and Occupation





Age & Screen Usage





H_o:

The age of a user and the amount of time he/she spends in front of screens are dependent.

H1

The age of a user and the amount of time he/she spends in front of screens are independent.

Test Used: Chi-Square Test for Independence

P-Value: 0.09

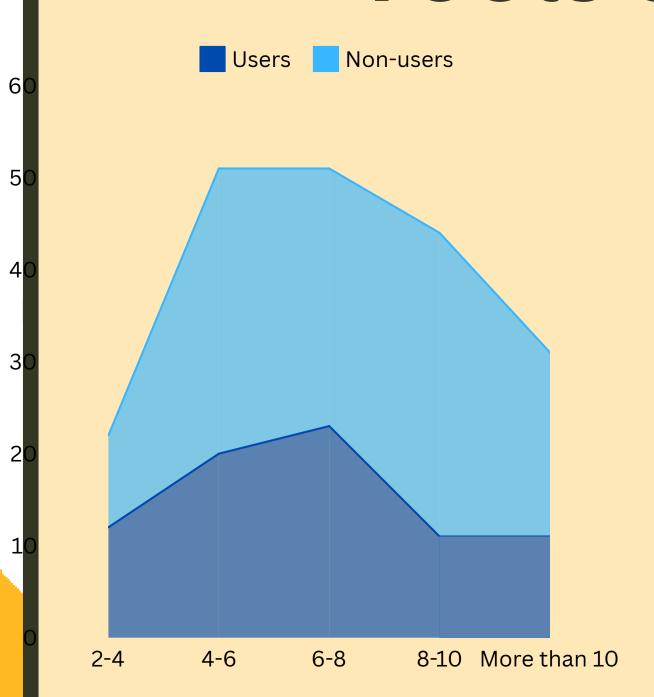
P-Value > 0.05

Fail to Reject HO

Age and Screen Usage are independent

Tools & Screen Time





H₀:

The median screen time for users and non-users of screen time tools is same.

H1

The median screen time for users and non-users of screen time tools is different.

Test Used: Kruskal-Wallis Test

P-Value: 0.023

P-Value < 0.05

Reject HO

The median is different.

Occupation & Productivity





19.4%

H1:

Ho

Professionals

Students

Highly Productive

Un/Moderately Productive

40.7%

The proportions of students and professionals with high productivity is the same.

The proportions of students and professionals with high productivity is different.

Test Used: Proportion Testing

P-Value: 0.0009

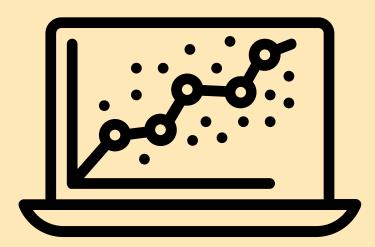
P-Value < 0.05

Reject HO

The proportions are different.



Co-relations



Screen Time (in hrs) V Productivity

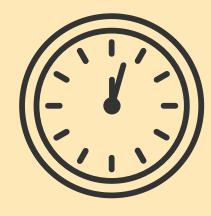
$$rs = -0.023$$

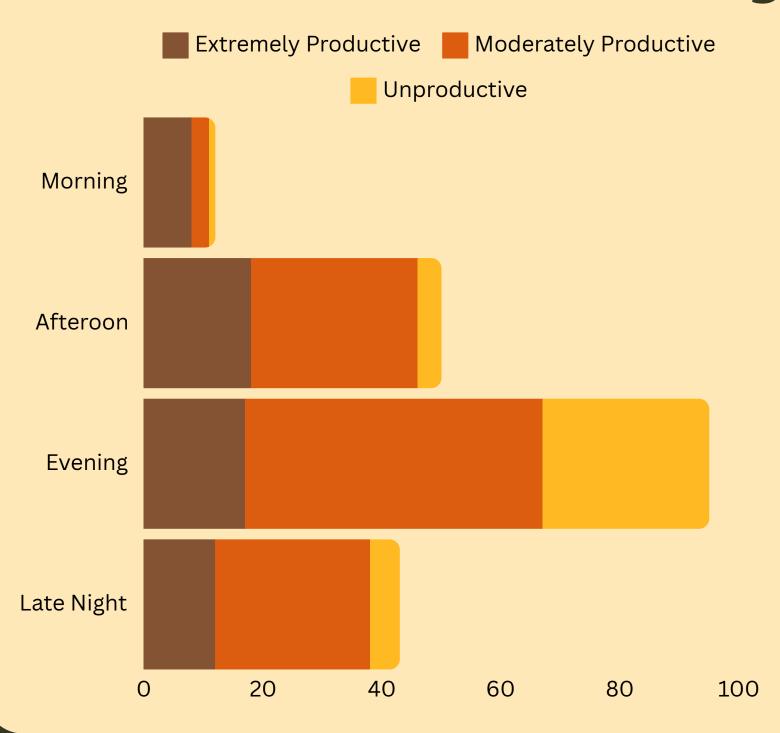
Screen Time (in hrs) V Attention Span

$$rs = 0.084$$

No apparent relation







H_o:

Producitivity is independent of the time of day.

H1:

Producitivity is dependent on the time of day.

Test Used: Chi-Square Test for Independence P-Value: 0.0005

P-Value < 0.05

Reject HO

Productivity varies with time of day







Extremely Productive

Repititive Tasks

H_o:

Productivity is independent of task type.

H1:

Productivity is dependent on task type.

Test Used: Chi-Square Test for Independence P-Value: 0.048

P-Value < 0.05

Reject HO

Productivity varies with task type







Unproductive

H_o: Productivity is independent of task type.

H1: Productivity is dependent on task type.

Test Used: Chi-Square Test for Independence P-Value: 0.048

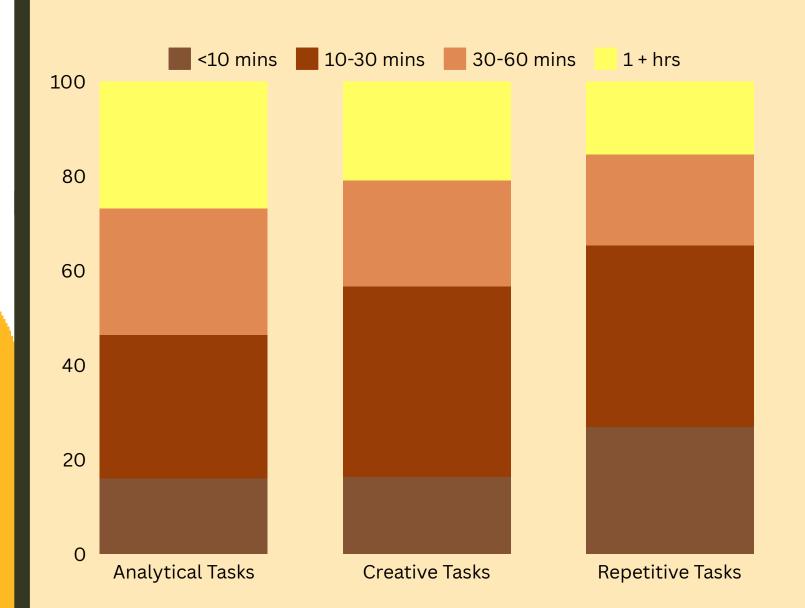
P-Value < 0.05

Reject HO

Productivity varies with task type







H₀:

Attention Span is independent of task type.

H1:

Attention Span is dependent on task type.

Test Used: Chi-Square Test for Independence P-Value: 0.341

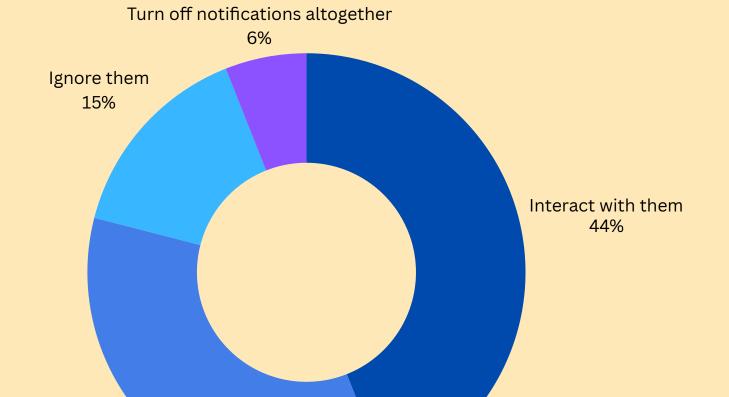
P-Value > 0.05

Fail to reject HO

Attention Span does not depend on task type







H_o:

Attention Span is independent of notification handling startegy

H1:

Attention Span is dependent on notification handling strategy

Individuals with attention span of less than 10 minutes

Check them briefly 35%

Test Used: Chi-Square Test for Independence P-Value: 0.0041

P-Value < 0.05

Reject HO

Attention Span depends on notification handling startegy

