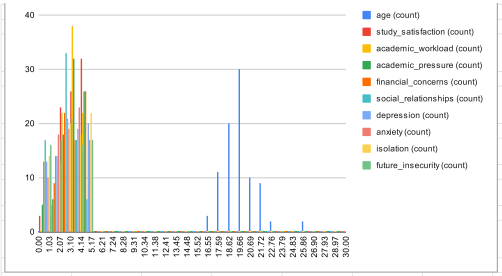
gender	age	university	degree_level	degree_major	academic_year	cgpa	residential_statu	campus_discrimi	sports_engagem	average_sleep	study_satisfactio	academic_workload	academic_press	financial_concern	social_relationsh	depression	anxiety	isolation	future_insecurity	stress_relief_activities
Male	20	PU	Undergraduate	Data Science	2nd year	3.0-3.5	Off-Campus	No	No Sports	4-6 hrs	5	4	5	4	3	2	1	1	2	Religious Activities, Social Connections, Online Entertainment
Male	20	UET	Postgraduate	Computer Scienc	3rd year	3.0-3.5	Off-Campus	No	1-3 times	4-6 hrs	5	4	4	1	3	3	3	3	4	Online Entertainment
Male	20	FAST	Undergraduate	Computer Scienc	3rd year	2.5-3.0	Off-Campus	No	1-3 times	2-4 hrs	5	5	5	3	4	2	3	3	1	Religious Activities, Sports and Fitness, Online Entertainment
Male	20	UET	Undergraduate	Computer Scienc	3rd year	2.5-3.0	On-Campus	No	No Sports	4-6 hrs	3	5	4	4	1	5	5	5	3	Online Entertainment
Female	20	UET	Undergraduate	Computer Scienc	3rd year	3.0-3.5	Off-Campus	Yes	No Sports	4-6 hrs	3	5	5	2	3	5	5	4	4	Online Entertainment
Female	20	UET	Undergraduate	Computer Scienc	3rd year	3.0-3.5	Off-Campus	No	No Sports	4-6 hrs	4	5	5	3	3	5	5	5	5	Religious Activities, Social Connections, Online Entertainment
Male	26	PU	Postgraduate	Data Science	1st year	2.5-3.0	On-Campus	Yes	1-3 times	7-8 hrs	4	4	4	5	2	5	4	4	5	Social Connections, Online Entertainment
Male	22	PU	Undergraduate	Data Science	2nd year	3.0-3.5	Off-Campus	Yes	No Sports	4-6 hrs	3	4	4	5	4	3	2	2	4	Religious Activities, Social Connections, Online Entertainment
Male	20	COMSATS	Undergraduate	Computer Scienc	3rd year	2.5-3.0	Off-Campus	Yes	1-3 times	4-6 hrs	3	4	3	4	2	3	4	3	5	Religious Activities, Social Connections, Online Entertainment, Outdoor Activities
Male	23	COMSATS	Undergraduate	Computer Scienc	3rd year	2.5-3.0	Off-Campus	No	No Sports	4-6 hrs	3	5	3	5	1	5	5	5	5	Sports and Fitness
Male	20	COMSATS	Undergraduate	Computer Scienc	2nd year	3.0-3.5	On-Campus	No	No Sports	4-6 hrs	5	4	4	1	4	3	3	1	3	Religious Activities, Online Entertainment
Male	20	COMSATS	Undergraduate	Computer Scienc	3rd year	3.0-3.5	Off-Campus	No	1-3 times	4-6 hrs	4	5	4	4	4	2	3	1	2	Religious Activities, Sports and Fitness, Social Connections, Online Entertainment, Outdoor Activities
Male	21	COMSATS	Undergraduate	Computer Scienc	3rd year	3.5-4.0	On-Campus	No	No Sports	4-6 hrs	5	3	5	5	1	4	4	4	2	Nothing
Male	19	PU	Undergraduate	Data Science	1st year	3.0-3.5	Off-Campus	No	No Sports	4-6 hrs	3	3	4	5	3	5	4	5	1	Religious Activities
Female	20	PU	Undergraduate	Data Science	1st year	3.0-3.5	Off-Campus	No	No Sports	4-6 hrs	3	3	3	3	2	4	3	5	3	Religious Activities
Female	19	PU	Undergraduate	Data Science	1st year	3.0-3.5	Off-Campus	Yes	No Sports	7-8 hrs	5	3	3	4	3	1	1	1	3	Religious Activities, Social Connections, Online Entertainment
Female	20	PU	Undergraduate	Data Science	1st year	3.0-3.5	Off-Campus	No	No Sports	2-4 hrs	5	4	4	3	1	3	2	3	1	Social Connections
Male	19	PU	Undergraduate	Data Science	1st year	2.5-3.0	Off-Campus	No	No Sports	7-8 hrs	5	3	5	3	3	2	2	3	1	Religious Activities
Female	19	PU	Undergraduate	Data Science	1st year	3.5-4.0	Off-Campus	No	1-3 times	4-6 hrs	4	4	3	3	2	4	4	3	2	Religious Activities, Creative Outlets, Social Connections
Male	19	PU	Undergraduate	Data Science	1st year	3.5-4.0	Off-Campus	Yes	1-3 times	4-6 hrs	5	4	4	5	3	5	5	4	3	Sports and Fitness
Female	20	PU	Undergraduate	Data Science	1st year	3.0-3.5	Off-Campus	No	1-3 times	7-8 hrs	5	4	4	2	3	1	2	2	2	Social Connections
Female	19	PU	Undergraduate	Data Science	1st year	3.0-3.5	Off-Campus	Yes	No Sports	4-6 hrs	4	5	5	2	2	4	4	5	5	Religious Activities, Social Connections
Male	20	PU	Undergraduate	Data Science	2nd year	2.5-3.0	Off-Campus	No	No Sports	4-6 hrs	3	5	5	3	3	4	4	3	4	Outdoor Activities
Male	20	UET	Undergraduate	Computer Scienc	3rd year	3.5-4.0	Off-Campus	No	1-3 times	4-6 hrs	5	5	4	5	3	5	5	5	3	Religious Activities, Online Entertainment
Female	19	PU	Undergraduate	Data Science	1st year	3.5-4.0	Off-Campus	No	1-3 times	4-6 hrs	5	4	4	1	3	3	4	3	3	Religious Activities, Creative Outlets
Male	19	PU	Undergraduate	Data Science	1st year	3.0-3.5	Off-Campus	No	7+ times	4-6 hrs	5	5	3	5	5	4	1	3	2	Religious Activities, Sports and Fitness, Social Connections, Online Entertainment, Outdoor Activities
Male	23	PU	Undergraduate	Data Science	2nd year	2.5-3.0	Off-Campus	Yes	1-3 times	7-8 hrs	3	3	4	1	4	3	3	2	3	Religious Activities, Online Entertainment, Outdoor Activities
Male	20	PU	Undergraduate	Computer Scienc	1st year	1.5-2.0	Off-Campus	Yes	7+ times	2-4 hrs	1	4	5	5	1	5	5	5	5	Online Entertainment
Male	18	PU	Undergraduate	Data Science	1st year	2.5-3.0	Off-Campus	No	4-6 times	4-6 hrs	4	3	4	4	4	3	4	4	2	Sports and Fitness, Creative Outlets, Online Entertainment, Outdoor Activities
Male	20	PU	Undergraduate	Data Science	1st year	3.5-4.0	Off-Campus	No	4-6 times	7-8 hrs	5	5	5	3	5	5	3	3	2	Religious Activities, Outdoor Activities
Male	18	PU	Undergraduate	Data Science	1st year	3.5-4.0	Off-Campus	No	No Sports	7-8 hrs	5	3	1	1	3	1	2	2	1	Sleep
Male	19	PU	Undergraduate	Data Science	1st year	2.0-2.5	On-Campus	No	No Sports	4-6 hrs	2	4	1	5	3	3	3	3	2	Creative Outlets, Social Connections, Online Entertainment, Outdoor Activities
Male	18	PU	Undergraduate	Data Science	1st year	1.5-2.0	On-Campus	No	No Sports	4-6 hrs	5	4	5	2	3	4	3	4	4	Religious Activities
Female	19	PU	Undergraduate	Data Science	1st year	3.0-3.5	On-Campus	No	No Sports	7-8 hrs	5	4	4	3	2	4	2	3	1	Creative Outlets
Female	17	PU	Undergraduate	Computer Scienc	1st year	3.5-4.0	On-Campus	No	No Sports	4-6 hrs	4	5	5	5	1	5	5	5	3	Sleep
Male	18	PU	Undergraduate	Computer Scienc	1st year	3.5-4.0	Off-Campus	No	7+ times	4-6 hrs	3	3	4	5	2	4	3	4	5	Religious Activities, Sports and Fitness, Social Connections
Female	17	PU	Undergraduate	Computer Scienc	1st year	3.5-4.0	On-Campus	No	No Sports	4-6 hrs	4	4	4	5	3	4	4	5	2	Religious Activities
Female	19	PU	Undergraduate	Data Science	1st year	3.0-3.5	Off-Campus	No	4-6 times	7-8 hrs	5	3	2	2	4	1	2	1	1	Religious Activities
Female	18	PU	Undergraduate	Data Science	1st year	2.5-3.0	Off-Campus	No	No Sports	4-6 hrs	1	4	5	5	2	5	5	5	5	Creative Outlets
Female	19	PU	Undergraduate	Data Science	2nd year	2.5-3.0	On-Campus	No	No Sports	2-4 hrs	2	4	4	1	2	3	3	4	3	Religious Activities
Female	19	PU	Undergraduate	Data Science	2nd year	2.5-3.0	Off-Campus	No	1-3 times	4-6 hrs	4	4	4	4	1	1	1	1	4	Religious Activities, Social Connections, Online Entertainment
Male	18	PU	Undergraduate	Data Science	1st year	3.0-3.5	Off-Campus	No	No Sports	7-8 hrs	2	4	4	5	1	5	4	5	5	Online Entertainment
Male	18	PU	Undergraduate	Data Science	1st year	3.5-4.0	Off-Campus	Yes	1-3 times	4-6 hrs	4	3	3	2	3	3	3	3	4	Online Entertainment
Male	18	PU	Undergraduate	Computer Scienc	1st year	3.5-4.0	Off-Campus	Yes	4-6 times	7-8 hrs	4	2	2	1	3	1	1	2	3	Online Entertainment
Male	19	NUST	Undergraduate	Computer Scienc	3rd year	3.5-4.0	On-Campus	No	1-3 times	7-8 hrs	4	4	4	3	4	2	2	2	4	Religious Activities, Online Entertainment, Outdoor Activities
Male	18	PU	Undergraduate	Data Science	1st year	0.0-0.0	Off-Campus	No	7+ times	7-8 hrs	4	4	4	4	5	3	3	1	3	Sports and Fitness
Male	21	PU	Undergraduate	Software Enginee	4th year	3.5-4.0	Off-Campus	Yes	1-3 times	4-6 hrs	3	4	5	4	3	5	5	5	5	Religious Activities, Sports and Fitness, Creative Outlets, Online Entertainment
Male	20	PU	Undergraduate	Data Science	3rd year	3.5-4.0	Off-Campus	Yes	No Sports	7-8 hrs	4	4	3	1	1	3	3	5	2	Online Entertainment
Male	19	PU	Undergraduate	Computer Scienc	1st year	2.0-2.5	On-Campus	No	1-3 times	4-6 hrs	5	4	5	5	1	3	4	5	1	Sports and Fitness, Creative Outlets, Social Connections, Outdoor Activities, Sleep
Male	20	PU	Undergraduate	Data Science	2nd year	3.0-3.5	On-Campus	No	No Sports	4-6 hrs	5	3	1	5	3	1	1	2	1	Religious Activities
Male	21	PU	Undergraduate	Data Science	2nd year	3.5-4.0	On-Campus	No	1-3 times	4-6 hrs	5	4	3	4	5	2	2	2	3	Religious Activities, Social Connections, Online Entertainment, Sleep
Male	17	PU	Undergraduate	Information Tech	1st year	0.0-0.0	Off-Campus	No	7+ times	7-8 hrs	3	5	5	1	3	4	4	4	5	Outdoor Activities
Male	18	PU	Undergraduate	Information Tech	1st year	0.0-0.0	Off-Campus	No	7+ times	7-8 hrs	5	3	4	3	5	3	3	3	1	Religious Activities, Sports and Fitness, Social Connections
Male	18	PU	Undergraduate	Information Tech	1st year	0.0-0.0	Off-Campus	No	1-3 times	4-6 hrs	5	5	3	2	1	2	4	5	2	Social Connections, Online Entertainment, Sleep
Male	22	VU	Undergraduate	Software Enginee	4th year	3.0-3.5	Off-Campus	No	1-3 times	7-8 hrs	4	4	3	5	1	3	3	4	1	Religious Activities, Sports and Fitness, Outdoor Activities
Male	21	PU	Undergraduate	Data Science	2nd year	2.5-3.0	On-Campus	Yes	4-6 times	4-6 hrs	3	4	5	3	4	1	1	1	1	Religious Activities, Social Connections
Male	20	COMSATS	Undergraduate	Computer Scienc	3rd year	3.5-4.0	Off-Campus	Yes	4-6 times	7-8 hrs	4	3	5	3	3	4	4	4	4	Outdoor Activities
Male	20	PU	Undergraduate	Data Science	1st year	0.0-0.0	On-Campus	No	No Sports	4-6 hrs	4	4	4	5	2	3	2	4	2	Sleep
Male	20	PU	Undergraduate	Data Science	2nd year	3.5-4.0	Off-Campus	No	4-6 times	7-8 hrs	5	2	2	1	3	1	1	1	1	Religious Activities, Social Connections
Male	21	FAST	Undergraduate	Data Science	3rd year	2.0-2.5	Off-Campus	No	1-3 times	7-8 hrs	3	5	4	1	3	2	2	4	4	Religious Activities, Sports and Fitness
Male	21	FAST	Undergraduate	Computer Scienc	3rd year	2.5-3.0	Off-Campus	No	4-6 times	7-8 hrs	4	4	4	2	4	2	2	2	3	Outdoor Activities
Male	20	COMSATS	Undergraduate	Computer Scienc	3rd year	3.0-3.5	Off-Campus	No	1-3 times	4-6 hrs	3	4	3	4	1	1	2	1	3	Religious Activities, Social Connections, Online Entertainment
Male	20	UMT	Undergraduate	Computer Scienc	3rd year	3.5-4.0	Off-Campus	No	7+ times	7-8 hrs	5	3	4	3	2	4	4	4	5	Religious Activities, Sports and Fitness, Social Connections, Online Entertainment, Outdoor Activities, Sle
Female	19	PU	Undergraduate	Computer Scienc	2nd year	3.0-3.5	Off-Campus	No	No Sports	7-8 hrs	4	3	3	3	3	4	4	3	2	Religious Activities, Social Connections, Sleep
Male	20	COMSATS	Undergraduate	Computer Scienc	3rd year	2.5-3.0	Off-Campus	Yes	1-3 times	4-6 hrs	3	4	4	5	3	5	5	5	4	Religious Activities, Sports and Fitness, Creative Outlets, Online Entertainment
Male	20	UMT	Undergraduate	Computer Scienc	3rd year	3.5-4.0	On-Campus	No	No Sports	7-8 hrs	3	3	4	5	3	4	4	4	4	Social Connections
Male	20	FAST	Undergraduate	Computer Scienc	3rd year	2.5-3.0	Off-Campus	No	1-3 times	4-6 hrs	4	5	5	1	5	3	4	1	1	Religious Activities, Sports and Fitness, Social Connections, Sleep
Male	20	FAST	Undergraduate	Computer Scienc	3rd year	3.5-4.0	On-Campus	No	No Sports	4-6 hrs	4	5	5	3	3	2	2	3	3	Religious Activities, Social Connections, Online Entertainment, Sleep
Male	20	FAST	Undergraduate	Computer Scienc	3rd year	2.5-3.0	On-Campus	No	7+ times	4-6 hrs	4	5	5	5	4	3	4	2	3	Social Connections, Sleep
Male	19	UOL	Undergraduate	Computer Scienc	3rd year	2.5-3.0	Off-Campus	Yes	4-6 times	7-8 hrs	3	2	4	4	4	1	1	3	3	Outdoor Activities
Male	22	UET	Undergraduate	Computer Scienc	3rd year	2.5-3.0	Off-Campus	No	No Sports	4-6 hrs	4	4	5	4	3	4	4	4	5	Religious Activities
Male	20	UET	Undergraduate	Computer Scienc	3rd year	3.0-3.5	Off-Campus	No	7+ times	7-8 hrs	4	2	3	4	2	3	3	4	3	Religious Activities, Sports and Fitness, Sleep
Female	20	UET	Undergraduate	Computer Scienc	3rd year	3.5-4.0	Off-Campus	No	No Sports	4-6 hrs	5	4	5	4	1	4	5	5	4	Online Entertainment
Female	19	UET	Undergraduate	Computer Scienc	3rd year	3.0-3.5	On-Campus	No	No Sports	4-6 hrs	3	5	5	3	3	5	5	3	5	Sleep
Male	21	PU	Undergraduate	Data Science	1st year	3.5-4.0	Off-Campus	No	7+ times	7-8 hrs	5	3	3	2	4	1	1	2	2	Religious Activities, Social Connections
Male	26	KUST	Undergraduate	Data Science	4th year	3.5-4.0	Off-Campus	Yes	1-3 times	7-8 hrs	5	5	1	5	1	5	5	3	5	Creative Outlets, Social Connections, Online Entertainment
Female	19	UET	Undergraduate	Computer Scienc	3rd year	2.5-3.0	Off-Campus	Yes	No Sports	4-6 hrs	3	5	5	5	3	4	3	3	4	Social Connections, Sleep
Male	22	PU	Undergraduate	Information Tech	4th year	3.0-3.5	Off-Campus	No	4-6 times	4-6 hrs	5	3	3	3	4	2	2	2	4	Social Connections, Outdoor Activities
Male	22	PU	Undergraduate	Information Tech	4th year	3.0-3.5	Off-Campus	Yes	No Sports	4-6 hrs	5	4	2	5	1	5	5	5	3	Religious Activities, Sports and Fitness, Online Entertainment
Female	21	PU	Undergraduate	Information Tech	4th year	3.5-4.0	Off-Campus	Yes	No Sports	7-8 hrs	3	3	3	3	3	5	5	5	1	Sleep
Female	21	PU	Undergraduate	Information Tech	4th year	3.0-3.5	Off-Campus	No	No Sports	7-8 hrs	3	4	4	3	4	4	4	2	4	Online Entertainment, Sleep
Male	22	PU	Undergraduate	Information Tech	4th year	2.5-3.0	Off-Campus	No	No Sports	7-8 hrs	1	2	2	1	2	2	2	5	2	Religious Activities
Male	22	PU	Undergraduate	Information Tech	4th year	3.0-3.5	On-Campus	No	No Sports	7-8 hrs	4	3	1	4	4	2	3	1	2	Online Entertainment, Outdoor Activities, Sleep
Female	22	COMSATS	Undergraduate	Software Enginee	4th year	3.5-4.0	Off-Campus	Yes	No Sports	2-4 hrs	5	5	5	5	1	5	5	5	5	Religious Activities, Sleep
Male	21	PU	Undergraduate	Data Science	2nd year	2.0-2.5	Off-Campus	No	No Sports	4-6 hrs	5	4	2	4	3	1	2	1	1	Religious Activities, Sports and Fitness, Social Connections, Online Entertainment, Outdoor Activities, Sle
Male	22	PU	Undergraduate	Data Science	2nd year	2.5-3.0	Off-Campus	No	No Sports	4-6 hrs	3	3	3	3	2	3	4	4	5	Sleep
Female	19	PU	Undergraduate	Data Science	2nd year	3.5-4.0	On-Campus	No	4-6 times	4-6 hrs	4	4	4	3	4	2	2	1	3	Sports and Fitness

Histogram

Interpretation



CGPA Distribution:

If the histogram displays a concentration of students with CGPAs between 3.0 and 4.0,
it suggests that most students are performing well academically. Conversely, if there are fewer students in the lower
CGPA ranges (e.g., below 2.5), it indicates a higher overall academic performance among the cohort.

Average Sleep Hours:

A histogram showing a peak around 4-6 hours of sleep indicates that many students are getting insufficient rest,
which could affect their academic performance and mental health. If a smaller number of students report sleeping for 7-8 hours,
this might highlight a potential area of concern regarding student well-being.

Academic Workload:

If the histogram illustrates a higher frequency of students reporting a high academic workload,
it could indicate that students feel overwhelmed, potentially correlating with higher levels of stress or anxiety.

Academic Pressure:

A histogram indicating significant levels of academic pressure among students could suggest a culture of high expectations
within the university, which might impact students' mental health and overall satisfaction with their studies.

The histogram can help identify patterns and trends in student experiences, allowing educators and administrators
to address specific areas of concern. For instance, if many students report low sleep hours and high academic pressure,
targeted interventions could be developed to support student wellness, improve academic support services, and promote a healthier work-life balance.