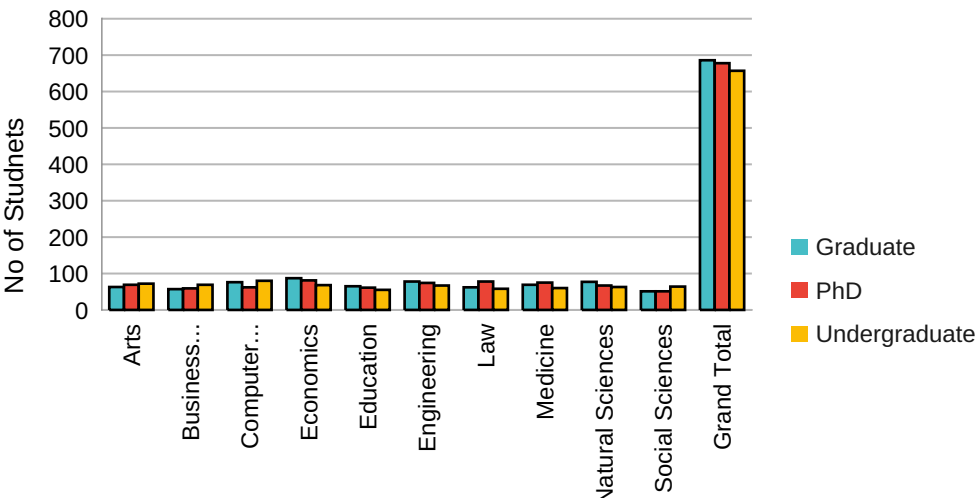## 1. What is the distribution of students across different universities?

Row Labels	Count of Name
Bahauddin Zakariya University	193
COMSATS Institute of Information Technology	214
Karachi University	192
Lahore University of Management Sciences	205
National University of Sciences and Technolog	207
Quaid-i-Azam University	199
University of Balochistan	218
University of Peshawar	195
University of Sindh	195
University of the Punjab	200
Grand Total	2018
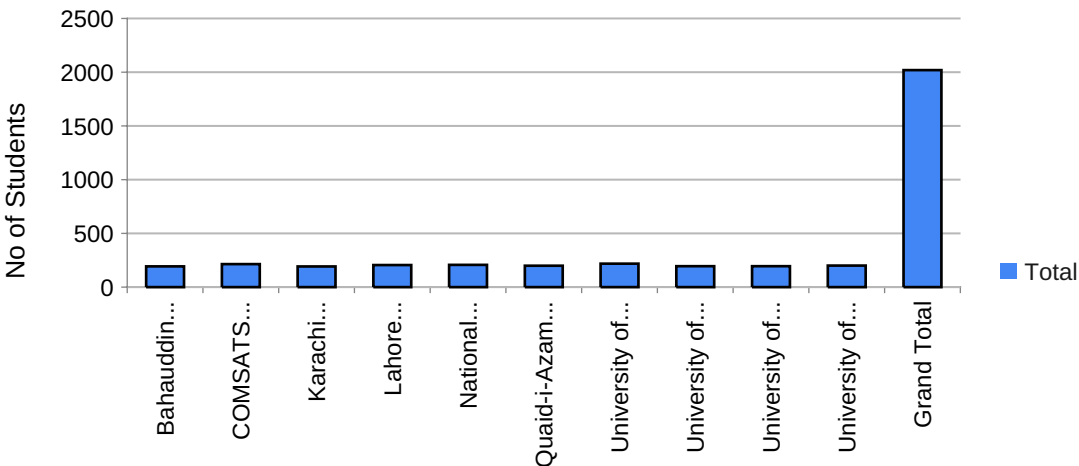
2. How many students are enrolled in each program and academic level?

| Count of Name	Column Labels			
Row Labels	Graduate	PhD	Undergraduate	Grand Total
Arts	63	69	72	204
Business Administration	57	59	69	185
Computer Science	76	62	80	218
Economics	87	81	68	236
Education	65	61	55	181
Engineering	78	74	67	219
Law	62	78	58	198
Medicine	69	75	60	204
Natural Sciences	77	67	63	207
Social Sciences	51	51	64	166
Grand Total	685	677	656	2018

3. What is the average GPA of students across different universities?

Row Labels	Average of GPA
Lahore University of Management Sciences	3.03
National University of Sciences and Technolog	3.02
University of Sindh	3.01
Bahauddin Zakariya University	2.99
COMSATS Institute of Information Technology	2.99
University of Peshawar	2.98
Quaid-i-Azam University	2.98
Karachi University	2.97
University of Balochistan	2.96
University of the Punjab	2.96
Grand Total	2.99
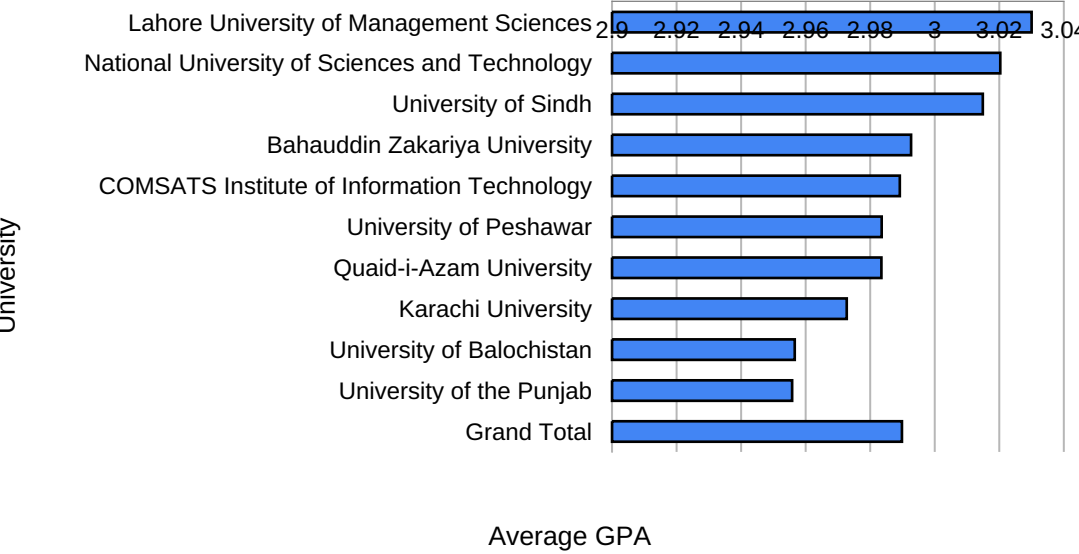
4. How does the average GPA distribution vary by city?

Row Labels	Average of GPA
Faisalabad	3.08
Hyderabad	2.98
Islamabad	2.94
Karachi	2.95
Lahore	2.89
Multan	3.03
Peshawar	3.00
Quetta	3.02
Rawalpindi	3.00
Sargodha	3.01
Grand Total	2.99
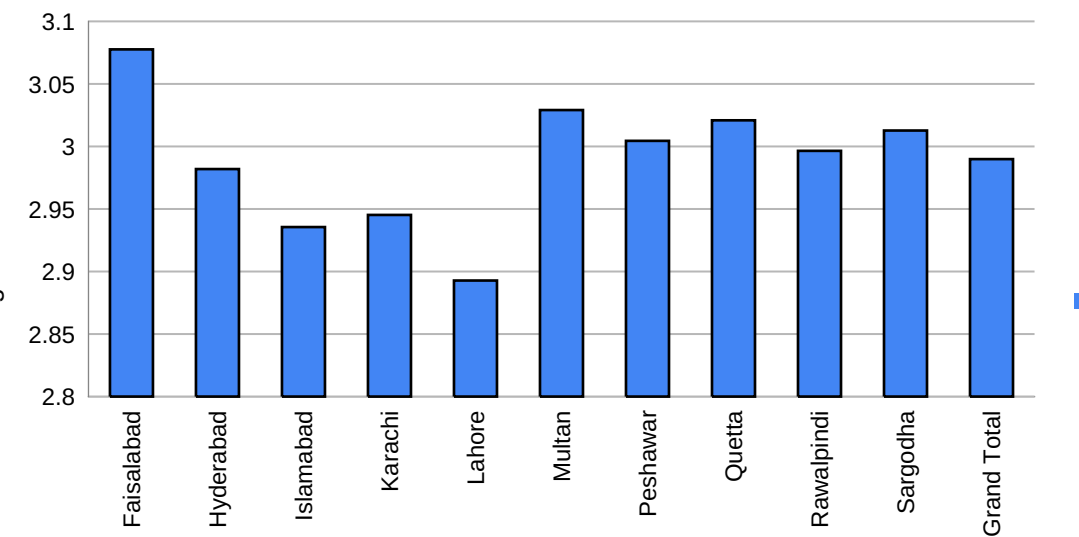
5. What is the percentage of students who have graduated versus those who have dropped out?

Row Labels	Count of Name
Dropped	48.22%
Graduated	51.78%
Grand Total	100.00%

Graduated vs Dropped out
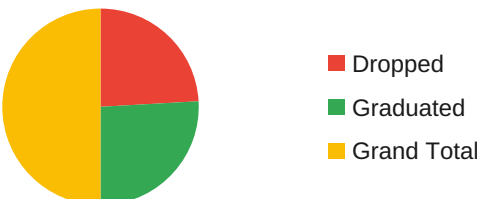
6. How is the age distribution of students across different programs?

Count of Name	Column Labels										
Row Labels	Arts	Busines	Computer Science	Economics	Education	Engir	Law	Medi	Natu	Social §	Grand Total
18	16	10	12	21	12	21	20	20	9	14	155
19	14	13	22	17	13	26	10	11	15	7	148
20	17	17	16	16	22	16	12	19	18	19	172
21	11	11	22	20	13	20	19	17	14	18	165
22	9	11	24	16	15	11	9	16	19	13	143
23	17	14	13	11	9	15	14	20	12	16	141
24	16	15	15	18	16	11	16	19	24	11	161
25	18	20	13	20	17	21	15	15	17	10	166
26	27	17	16	25	14	15	17	14	15	15	175
27	11	11	14	18	14	16	16	12	18	5	135
28	6	17	15	16	16	16	13	12	17	14	142
29	25	13	17	18	11	15	19	16	15	13	162
30	17	16	19	20	9	16	18	13	14	11	153
Grand Total	204	185	218	236	181	219	198	204	207	166	2018

7. What is the correlation between scholarship awards and funding types?

| Row Labels	Count of Scholarship
Government	710
Private	696
Semi-Government	612
Grand Total	2018
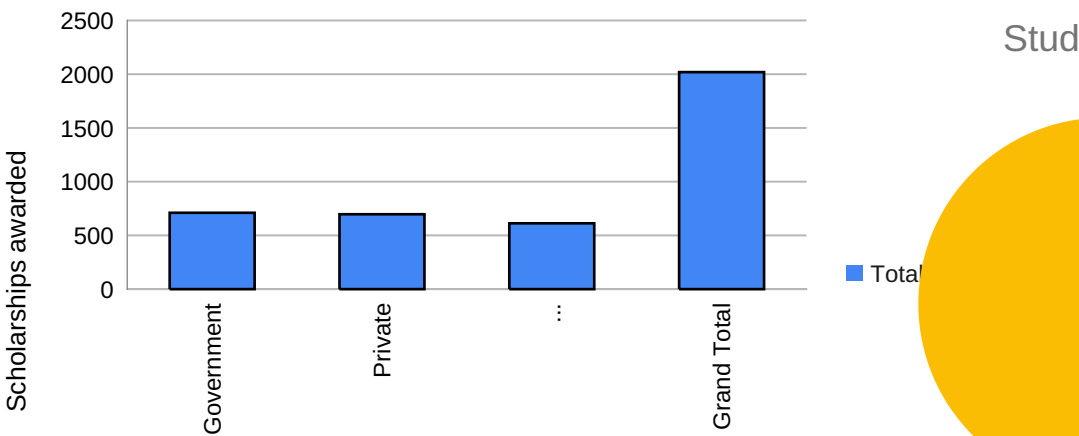
Students staying in hotel
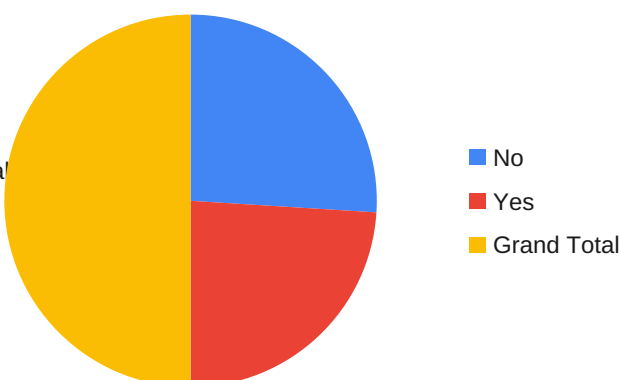
8. How many students are staying in hostels versus those who are not?

Row Labels	Count of Name
No	1049
Yes	969
Grand Total	2018

9. What is the distribution of students participating in extracurricular activities across different universities?

Count of Name	Column Labels		
Row Labels	No	Yes	Grand Total
Bahauddin Zakariya University	105	88	193
COMSATS Institute of Information Technology	103	111	214
Karachi University	80	112	192
Lahore University of Management Sciences	104	101	205
National University of Sciences and Technolog	90	117	207
Quaid-i-Azam University	110	89	199
University of Balochistan	117	101	218
University of Peshawar	97	98	195
University of Sindh	100	95	195
University of the Punjab	90	110	200
Grand Total	996	1022	2018
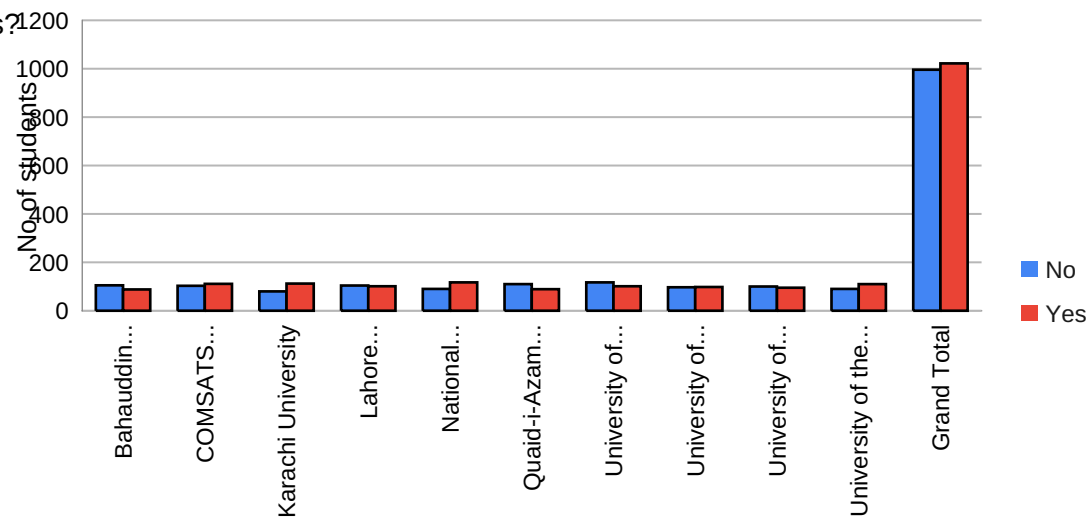
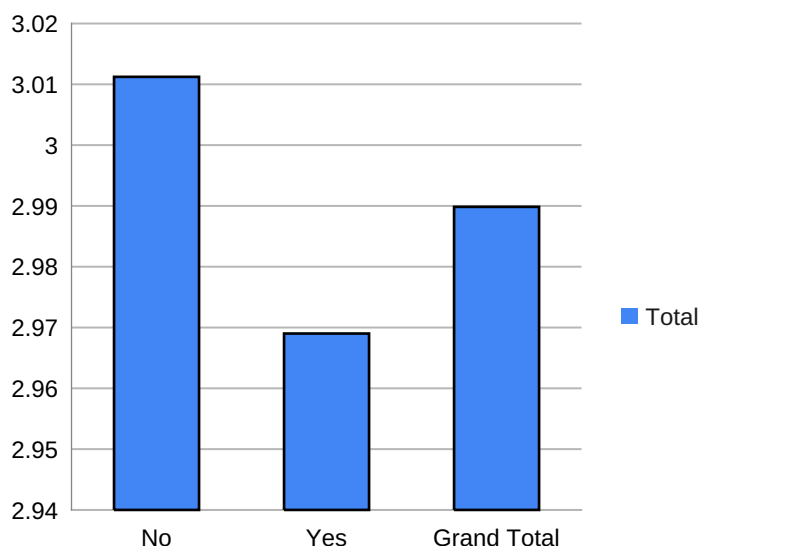## 10. How does the participation in extracurricular activities affect the average GPA of students?

| Row Labels	Average of GPA
No	3.01
Yes	2.97
Grand Total	2.99

11. What is the distribution of students by academic discipline?

Row Labels	Count of Name
Arts	385
Commerce	405
Humanities	397
Science	421
Technology	410
Grand Total	2018

12. How many students are receiving scholarships in each academic level?

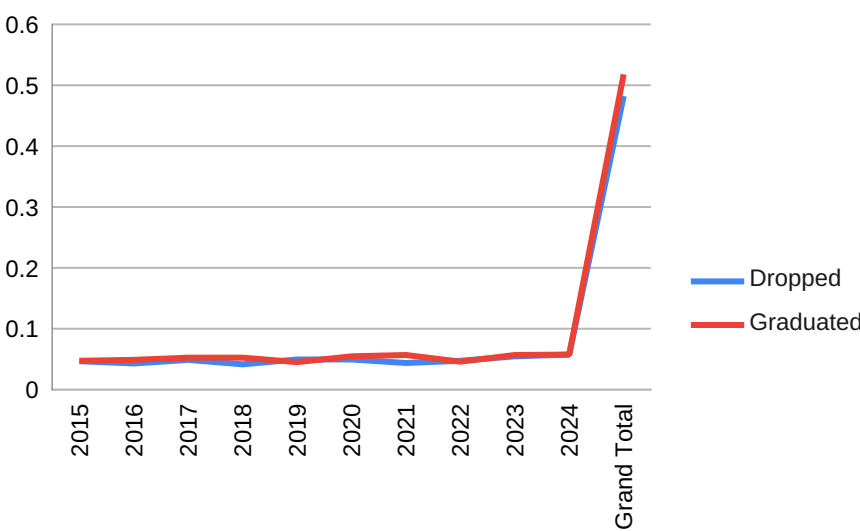| Count of Name	Column Labels	
Row Labels	Yes	Grand Total
Graduate	356	356
PhD	330	330
Undergraduate	332	332
Grand Total	1018	1018

Scholarships received
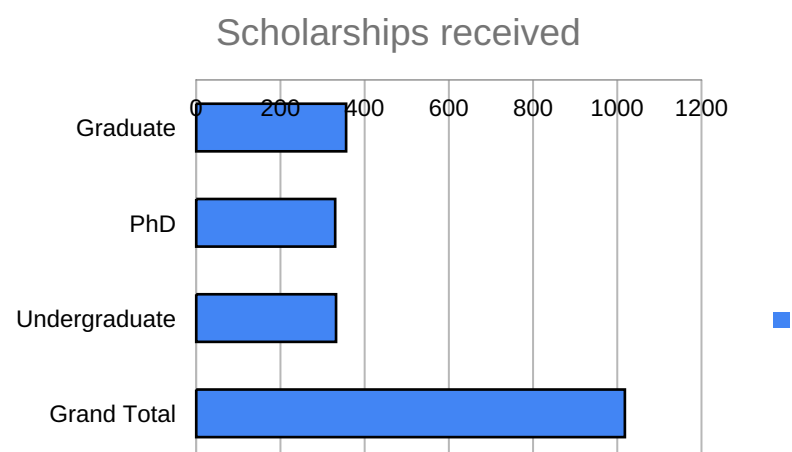
13. What is the percentage of students with government, semi-government, and private funding?

Row Labels	Count of Name
Government	35.18%
Private	34.49%
Semi-Government	30.33%
Grand Total	100.00%

14. How does the academic status (graduated or dropped) vary by year of enrollment?

Count of Name	Column Labels		
Row Labels	Dropped	Gradua	Grand Total
2015	4.66%	4.73%	9.40%
2016	4.30%	4.88%	9.18%
2017	4.88%	5.24%	10.12%
2018	4.15%	5.24%	9.40%
2019	4.95%	4.52%	9.47%
2020	4.95%	5.46%	10.42%
2021	4.37%	5.68%	10.05%
2022	4.73%	4.59%	9.32%
2023	5.46%	5.68%	11.14%
2024	5.75%	5.75%	11.51%
Grand Total	48.22%	####	100.00%

15. What is the relationship between city and the type of funding students receive?

Count of Name	Column Labels			
Row Labels	Government	Private	Semi-Government	Grand Total
Faisalabad	63	77	64	204
Hyderabad	87	50	54	191
Islamabad	81	65	50	196
Karachi	79	81	57	217
Lahore	66	73	57	196
Multan	66	60	57	183
Peshawar	79	61	55	195
Quetta	63	78	85	226
Rawalpindi	72	75	66	213
Sargodha	54	76	67	197
Grand Total	710	696	612	2018