

**Summary statistics of MSc admissions
(Department of Statistics) for academic year
2023-24 at Shivaji University, Kolhapur**

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Data introduction :

- The data contains 15 columns and 286 rows.
- The columns denote various variables like Student Name, Id, merit, category, gender , etc.
- Total number of applicants for year 2023-24 : **285**
- Tools used : Excel , MsWord , Tableau-public.

SUMMARY STATISTICS

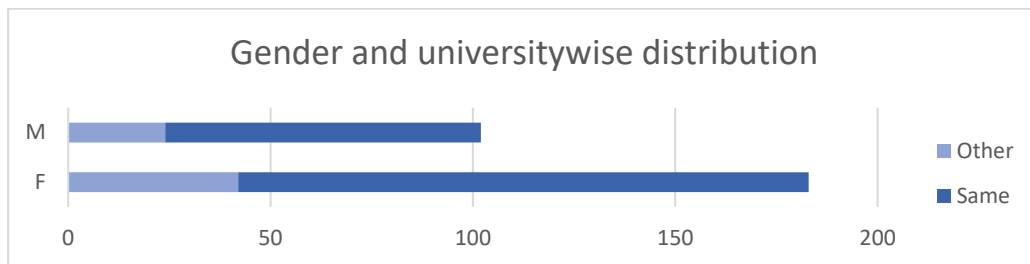
- Final year and entrance marks according to category, gender, and university wise filters.

		Final Year marks				Entrance marks			
		min	max	mean	SD	minimum	maximum	average	S.d.
category	EWS	0	95.83	74.44	24.96	26	74	44.91	11.89
	General	0	98.77	79.65	14.83	22	68	42.81	11.79
	NT(B)	68.67	86.5	79.92	7.03	37	56	48.50	7.43
	NT(C)	71.5	92.5	78.81	8.14	34	63	46.43	11.42
	OBC	56.67	96.17	80.01	10.51	24	66	43.70	10.28
	SBC	81.17	92.55	86.24	4.73	39	54	45.33	6.34
	SC	0	87	74.16	22.80	33	57	45.17	7.64
	SEBC	65	95	84.64	8.34	27	73	53.23	13.19
	VJ(A)	77.17	89.83	85.29	4.82	43	58	49.00	5.61
university	Other	59.83	92.55	82.14	8.48	24	65	40.85	11.83
	Same	0	98.77	79.48	15.74	22	74	45.23	11.78
gender	F	0	98.77	80.96	16.29	22	74	45.43	12.13
	M	0	96.17	77.24	13.32	22	68	44.09	11.21

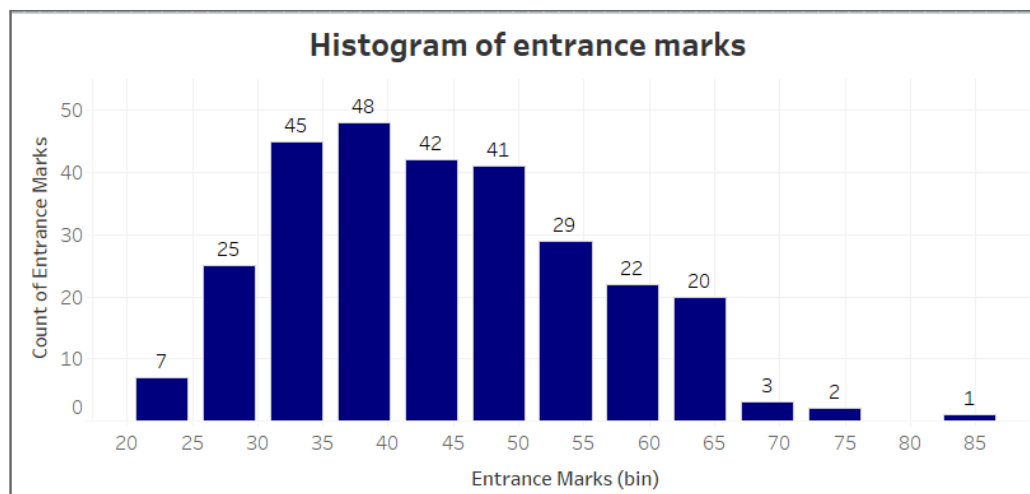
- Category and university wise count and percent composition of data

Category	Other university		Shivaji uni.		total	
	Count	Percent	count	percent	total count	percent%
EWS	7	2.46%	21	7.37%	28	9.82%
General	17	5.96%	111	38.95%	128	44.91%
NT(B)		0.00%	4	1.40%	4	1.40%
NT(C)	2	0.70%	7	2.46%	9	3.16%
NT(D)	1	0.35%		0.00%	1	0.35%
OBC	27	9.47%	34	11.93%	61	21.40%
SBC	3	1.05%	2	0.70%	5	1.75%
SC	7	2.46%	11	3.86%	18	6.32%
SEBC	2	0.70%	25	8.77%	27	9.47%
VJ(A)		0.00%	4	1.40%	4	1.40%
Grand Total	66	23.16%	219	76.84%	285	100.00%

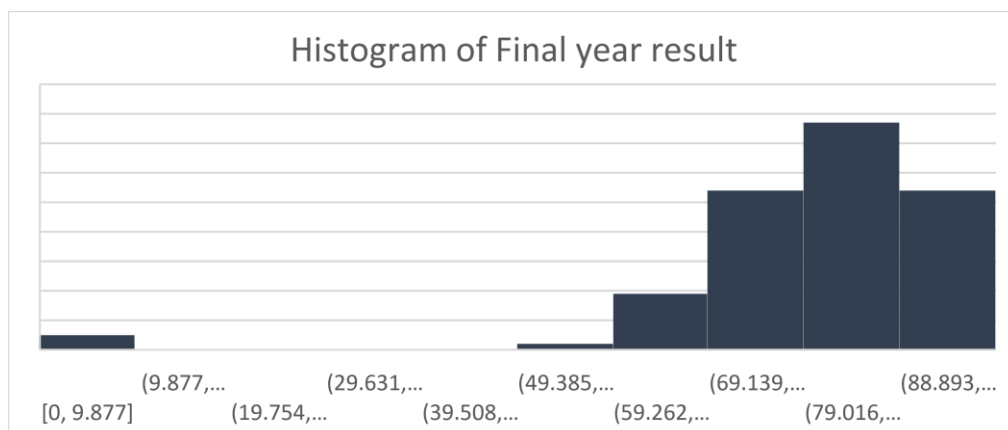
VISUALISATION OF DATA



We can observe that the female student population is far more than the male student population, compared on basis of either shivaji university, other universities, or both combined.

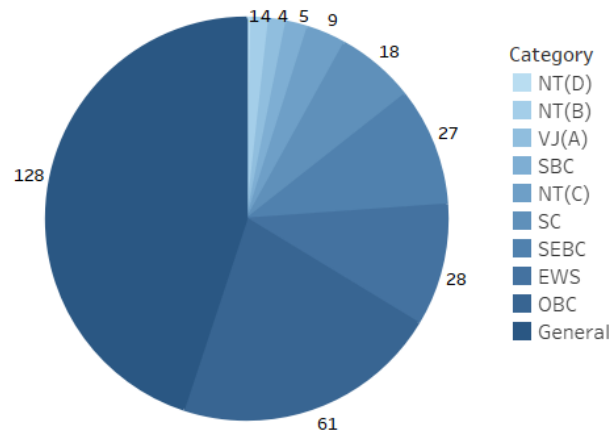


We can see that the distribution of entrance marks is slightly positively skewed.



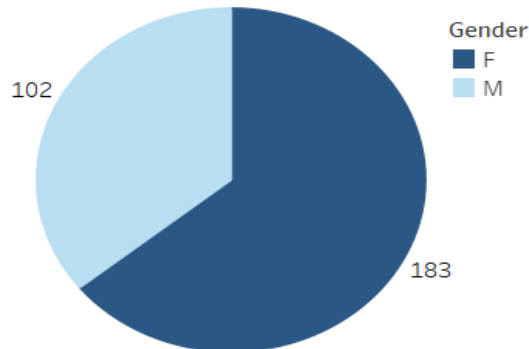
Here, we may ignore the '0' count as they stand for the failed students which are not relevant to our study.

Category wise distribution

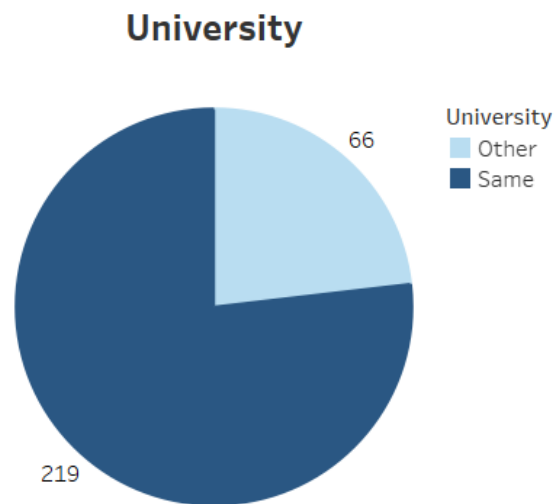


We can conclude that the student population consists of most students from general category, followed by OBC,EWS,SEBC,SC and so on.

Genderwise distribution of students



From the above pie chart, we can conclude that majority of the selected students are females, comprising of over 65% of the population approximately.



The above pie chart demonstrates the admissions on basis of the student belonging to shivaji university or other universities for graduation.

We can say that most of the admissions are from the past shivaji university students(80% approximately) and the rest 20% belong from the other universities.