

Forum Activities Comparison- Male Vs Female - Bertelsmann Data Science Scholarship Duration: May 5 - July 22, 2018

Destination 01

Male

Questions Score

463

Replies Score

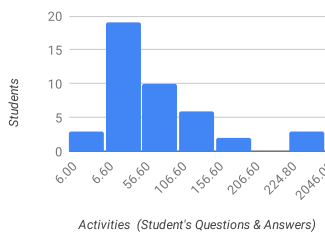
4923

Total Activities

5386

Male Forum Activities

Bertelsmann Data Science Challenge Course



Sr.	Name - Fmale	Questions	% Activity	Replies	% Activity	All Activities	% Person's Activity to Total
1	Anonymous	0	0%	1	100%	1	0.02%
2	Anonymous	0	0%	1	100%	1	0.02%
3	Anonymous	0	0%	1	100%	1	0.02%
4	Anonymous	0	0%	1	100%	1	0.02%
5	Anonymous	0	0%	1	100%	1	0.02%
6	Anonymous	0	0%	1	100%	1	0.02%
7	Anonymous	1	50%	1	50%	2	0.04%
8	Anonymous	0	0%	2	100%	2	0.04%
9	Anonymous	0	0%	2	100%	2	0.04%
10	Anonymous	0	0%	2	100%	2	0.04%
11	Anonymous	0	0%	2	100%	2	0.04%
12	Anonymous	0	0%	2	100%	2	0.04%
13	Anonymous	0	0%	3	100%	3	0.06%
14	Anonymous	0	0%	3	100%	3	0.06%
15	Anonymous	1	25%	3	75%	4	0.07%
16	Anonymous	0	0%	4	100%	4	0.07%
17	Anonymous	0	0%	4	100%	4	0.07%
18	Anonymous	0	0%	4	100%	4	0.07%
19	Anonymous	1	20%	4	80%	5	0.09%
20	Anonymous	0	0%	5	100%	5	0.09%
21	Anonymous	1	20%	4	80%	5	0.09%
22	Anonymous	1	20%	4	80%	5	0.09%
23	Anonymous	0	0%	5	100%	5	0.09%
24	Anonymous	4	67%	2	33%	6	0.11%
25	Anonymous	0	0%	7	100%	7	0.13%
26	Anonymous	2	29%	5	71%	7	0.13%
27	Anonymous	0	0%	8	100%	8	0.15%
28	Anonymous	2	25%	6	75%	8	0.15%
29	Anonymous	0	0%	10	100%	10	0.19%
30	Anonymous	1	10%	9	90%	10	0.19%
31	Anonymous	0	0%	10	100%	10	0.19%
32	Anonymous	1	10%	9	90%	10	0.19%
33	Anonymous	0	0%	15	100%	15	0.28%
34	Anonymous	0	0%	15	100%	15	0.28%
35	Anonymous	4	24%	13	76%	17	0.32%
36	Anonymous	2	12%	15	88%	17	0.32%
37	Anonymous	1	6%	17	94%	18	0.33%
38	Anonymous	0	0%	19	100%	19	0.35%
39	Anonymous	2	10%	18	90%	20	0.37%
40	Anonymous	1	5%	19	95%	20	0.37%
41	Anonymous	2	9%	20	91%	22	0.41%

42	Anonymous	4	16%	21	84%	25	0.46%
43	Anonymous	2	8%	24	92%	26	0.48%
44	Anonymous	6	22%	21	78%	27	0.50%
45	Anonymous	2	7%	25	93%	27	0.50%
46	Anonymous	2	7%	26	93%	28	0.52%
47	Anonymous	2	7%	26	93%	28	0.52%
48	Anonymous	0	0%	29	100%	29	0.54%
49	Anonymous	2	6%	30	94%	32	0.59%
50	Anonymous	1	3%	31	97%	32	0.59%
51	Anonymous	5	16%	27	84%	32	0.59%
52	Anonymous	9	19%	38	81%	47	0.87%
53	Anonymous	8	17%	39	83%	47	0.87%
54	Anonymous	1	2%	49	98%	50	0.93%
55	Anonymous	3	5%	52	95%	55	1.02%
56	Anonymous	2	3%	58	97%	60	1.11%
57	Anonymous	4	6%	59	94%	63	1.17%
58	Anonymous	5	8%	59	92%	64	1.19%
59	Anonymous	7	10%	62	90%	69	1.28%
60	Anonymous	8	11%	67	89%	75	1.39%
61	Anonymous	3	3%	85	97%	88	1.63%
62	Anonymous	13	14%	80	86%	93	1.73%
63	Anonymous	14	14%	83	86%	97	1.80%
64	Anonymous	4	4%	110	96%	114	2.12%
65	Anonymous	4	3%	111	97%	115	2.14%
66	Anonymous	30	25%	90	75%	120	2.23%
67	Anonymous	8	6%	123	94%	131	2.43%
68	Anonymous	6	4%	130	96%	136	2.53%
69	Anonymous	3	2%	142	98%	145	2.69%
70	Anonymous	7	4%	163	96%	170	3.16%
71	Anonymous	14	8%	164	92%	178	3.30%
72	Anonymous	8	3%	222	97%	230	4.27%
73	Anonymous	189	32%	407	68%	596	11.07%
74	Anonymous	59	3%	1987	97%	2046	37.99%
75	Anonymous	1		6	86%	7	0.13%

Total8.60%46349235386100%

Median18.00

Destination 02

Female

Score

185

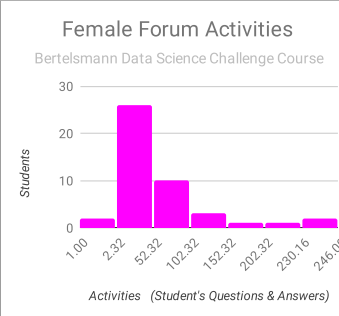
Score

2493

Total Activities

2678

Sr.	Name	Questions	% Activity	Replies	% Activity	All Activities	% Person's Activity of Total
1	Anonymous	1	7.14%	13	92.86%	14	0.52%
2	Anonymous	3	6.67%	42	93.33%	45	1.68%
3	Anonymous	0	0.00%	13	100.00%	13	0.49%
4	Anonymous	5	9.43%	48	90.57%	53	1.98%
5	Anonymous	2	16.67%	10	83.33%	12	0.45%
6	Anonymous	1	3.85%	25	96.15%	26	0.97%
7	Anonymous	7	12.28%	50	87.72%	57	2.13%
8	Anonymous	0	0.00%	108	100.00%	108	4.03%
9	Anonymous	6	3.68%	157	96.32%	163	6.09%
10	Anonymous	1	5.88%	16	94.12%	17	0.63%
11	Anonymous	0	0.00%	2	100.00%	2	0.07%
12	Anonymous	0	0.00%	2	100.00%	2	0.07%
13	Anonymous	1	5.88%	16	94.12%	17	0.63%
14	Anonymous	1	11.11%	8	88.89%	9	0.34%



15	Anonymous	1	5.88%	16	94.12%	17	0.63%
16	Anonymous	8	11.94%	59	88.06%	67	2.50%
17	Anonymous	3	1.22%	243	98.78%	246	9.19%
18	Anonymous	1	6.25%	15	93.75%	16	0.60%
19	Anonymous	6	8.96%	61	91.04%	67	2.50%
20	Anonymous	21	8.97%	213	91.03%	234	8.74%
21	Anonymous	2	18.18%	9	81.82%	11	0.41%
22	Anonymous	5	7.69%	60	92.31%	65	2.43%
23	Anonymous	2	11.11%	16	88.89%	18	0.67%
24	Anonymous	1	3.33%	29	96.67%	30	1.12%
25	Anonymous	0	0.00%	5	100.00%	5	0.19%
26	Anonymous	2	18.18%	9	81.82%	11	0.41%
27	Anonymous	13	20.31%	51	79.69%	64	2.39%
28	Anonymous	0	0.00%	2	100.00%	2	0.07%
29	Anonymous	6	40.00%	9	60.00%	15	0.56%
30	Anonymous	0	0.00%	3	100.00%	3	0.11%
31	Anonymous	3	21.43%	11	78.57%	14	0.52%
32	Anonymous	0	0.00%	8	100.00%	8	0.30%
33	Anonymous	0	0.00%	13	100.00%	13	0.49%
34	Anonymous	0	0.00%	4	100.00%	4	0.15%
35	Anonymous	0	0.00%	7	100.00%	7	0.26%
36	Anonymous	0	0.00%	6	100.00%	6	0.22%
37	Anonymous	16	34.78%	30	65.22%	46	1.72%
38	Anonymous	0	0.00%	1	100.00%	1	0.04%
39	Anonymous	0	0.00%	18	100.00%	18	0.67%
40	Anonymous	0	0.00%	2	100.00%	2	0.07%
41	Anonymous	0	0.00%	7	100.00%	7	0.26%
42	Anonymous	0	0.00%	1	100.00%	1	0.04%
43	Anonymous	0	0.00%	24	100.00%	24	0.90%
44	Anonymous	1	4.76%	20	95.24%	21	0.78%
45	Anonymous	19	21.59%	69	78.41%	88	3.29%
46	Anonymous	0	0.00%	60	100.00%	60	2.24%
47	Anonymous	0	0.00%	1	100.00%	1	0.04%
48	Anonymous	0	0.00%	1	100.00%	1	0.04%
49	Anonymous	6	2.70%	216	97.30%	222	8.29%
50	Anonymous	0	0.00%	1	100.00%	1	0.04%
51	Anonymous	0	0.00%	13	100.00%	13	0.49%
52	Anonymous	5	5.43%	87	94.57%	92	3.44%
53	Anonymous	0	0.00%	10	100.00%	10	0.37%
54	Anonymous	1	25.00%	3	75.00%	4	0.15%
55	Anonymous	4	25.00%	12	75.00%	16	0.60%
56	Anonymous	0	0.00%	2	100.00%	2	0.07%
57	Anonymous	1	20.00%	4	80.00%	5	0.19%
58	Anonymous	1	10.00%	9	90.00%	10	0.37%
59	Anonymous	2	18.18%	9	81.82%	11	0.41%
60	Anonymous	2	40.00%	3	60.00%	5	0.19%
61	Anonymous	8	32.00%	17	68.00%	25	0.93%
62	Anonymous	0	0.00%	55	100.00%	55	2.05%
63	Anonymous	0	0.00%	9	100.00%	9	0.34%
64	Anonymous	2	1.72%	114	98.28%	116	4.33%
65	Anonymous	0	0.00%	1	100.00%	1	0.04%
66	Anonymous	4	3.15%	123	96.85%	127	4.74%
67	Anonymous	0	0.00%	26	100.00%	26	0.97%
68	Anonymous	0	0.00%	14	100.00%	14	0.52%
69	Anonymous	0	0.00%	18	100.00%	18	0.67%
70	Anonymous	7	10.61%	59	89.39%	66	2.46%
71	Anonymous	3	6.98%	40	93.02%	43	1.61%
72	Anonymous	0	0.00%	20	100.00%	20	0.75%
73	Anonymous	0	0.00%	3	100.00%	3	0.11%
74	Anonymous	0	0.00%	14	100.00%	14	0.52%
75	Anonymous	1	5.26%	18	94.74%	19	0.71%

Total	6.91%	185	2493	2678	100.00%
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Median 15.00

Since the both distributions is positively skewed

IQR for male

Activities

	total IQR %
55	57.89%

IQR for female

Activities

40	42.11%
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Hypothesis

Since Udacity Forum is a Social Media networking for those specialized in certain field whether they are students or professionals, it is more likely we will find the Male users are greater than female Users.

Process for data evaluation

- Quality of sharing hasn't been included since the hypothesis here assumes the male users are greater than female users. So, to confirm this hypothesis or reject it, I went to measure the forum shares volume for students and compared males Vs females.
- to reach that, I randomly picked 120 individual and divided it equally between male and female (names has not been displayed for privacy purpose).
- I counted posts/questions and replies for each individual and calculated percentage of questions to the total individual's activities and the same for replies (horizontally). Also calculated the total individual's activities to the total Group Activities (Male/Female).

Conclusion

Male activities were greater than female activities by almost 8 %. The hypothesis has been confirmed.

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<https://docs.google.com/presentation/d/161nVfKZERzAeqR8iHdPstg9ZyOO0KnrFgXemV7mwrA/edit?usp=sharing>