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

Destination 01

Male

Questions Score

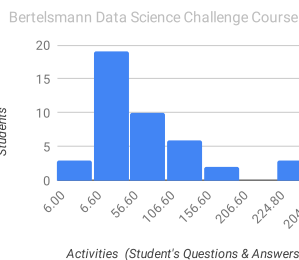### 463

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%

Activities (Student's Questions & Answers)

Sr.	Name	Questions	% Activity	Replies	% Activity	All Activities	% Person's Activity of Total
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%
	Total	**8.60%**	**463**		**4923**	**5386**	**100%**

Median 18.00

		Sr.	Name	Questions	% Activity	Replies	% Activity	All Activities	% Person's Activity of Total
Destination 02		1	Anonymous	1	7.14%	13	92.86%	14	0.52%
		2	Anonymous	3	6.67%	42	93.33%	45	1.68%
Female		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%
Score		6	Anonymous	1	3.85%	25	96.15%	26	0.97%
		7	Anonymous	7	12.28%	50	87.72%	57	2.13%
185		8	Anonymous	0	0.00%	108	100.00%	108	4.03%
Score		9	Anonymous	6	3.68%	157	96.32%	163	6.09%
		10	Anonymous	1	5.88%	16	94.12%	17	0.63%
2493		11	Anonymous	0	0.00%	2	100.00%	2	0.07%
Total Activities		12	Anonymous	0	0.00%	2	100.00%	2	0.07%
		13	Anonymous	1	5.88%	16	94.12%	17	0.63%
2678		14	Anonymous	1	11.11%	8	88.89%	9	0.34%

Female Forum Activities
Bertelsmann Data Science Challenge Course

Students vs Activities (Student's Questions & Answers)

#							
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%

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% |

Hypothesis

Since Udacity Forum is a social media networking for those specialized in certain field whether they are students or professionals, it's 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 up 150 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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