

Confidence Ranges for ClassEval Data Centered Around the Course's Mean Rating On an Individual Question For Courses With Total Enrollment of 50 to 100 Students										
Number of Students Responding	Range Around ClassEval Course Section Mean Rating									
	Plus/Minus 0.1	Plus/Minus 0.2	Plus/Minus 0.3	Plus/Minus 0.4	Plus/Minus 0.5	Plus/Minus 0.6	Plus/Minus 0.7	Plus/Minus 0.8	Plus/Minus 0.9	Plus/Minus 1.0
1	3%	5%	27%	32%	42%	46%	53%	66%	68%	69%
2	7%	14%	43%	48%	56%	61%	67%	82%	85%	85%
3	14%	26%	44%	57%	65%	71%	80%	88%	89%	92%
4	19%	28%	54%	60%	72%	80%	84%	92%	94%	96%
5	20%	35%	57%	67%	77%	85%	89%	93%	96%	98%
6	22%	42%	58%	72%	82%	88%	92%	96%	98%	99%
7	24%	44%	62%	74%	85%	91%	93%	97%	99%	99%
8	26%	46%	67%	79%	87%	92%	96%	98%	99%	100%
9	26%	49%	70%	82%	89%	94%	97%	99%	99%	100%
10	29%	53%	72%	84%	92%	96%	98%	99%	100%	100%
11	29%	56%	75%	86%	93%	97%	98%	99%	100%	100%
12	32%	59%	76%	89%	94%	97%	99%	100%	100%	100%
13	33%	61%	78%	90%	95%	98%	99%	100%	100%	100%
14	35%	62%	80%	91%	96%	98%	100%	100%	100%	100%
15	36%	65%	83%	92%	96%	99%	100%	100%	100%	100%
16	37%	67%	84%	94%	97%	99%	100%	100%	100%	100%
17	40%	69%	86%	94%	98%	100%	100%	100%	100%	100%
18	41%	71%	87%	96%	99%	100%	100%	100%	100%	100%
19	43%	72%	88%	96%	99%	100%	100%	100%	100%	100%
20	42%	75%	90%	97%	99%	100%	100%	100%	100%	100%
21	45%	76%	91%	97%	99%	100%	100%	100%	100%	100%
22	46%	77%	91%	98%	99%	100%	100%	100%	100%	100%
23	46%	78%	93%	98%	100%	100%	100%	100%	100%	100%
24	49%	80%	93%	99%	100%	100%	100%	100%	100%	100%
25	50%	81%	95%	99%	100%	100%	100%	100%	100%	100%
26	51%	82%	95%	99%	100%	100%	100%	100%	100%	100%
27	54%	83%	96%	99%	100%	100%	100%	100%	100%	100%
28	54%	85%	96%	99%	100%	100%	100%	100%	100%	100%
29	56%	87%	97%	100%	100%	100%	100%	100%	100%	100%
30	58%	88%	98%	100%	100%	100%	100%	100%	100%	100%
31	59%	88%	98%	100%	100%	100%	100%	100%	100%	100%
32	60%	89%	98%	100%	100%	100%	100%	100%	100%	100%
33	61%	91%	98%	100%	100%	100%	100%	100%	100%	100%
34	62%	92%	99%	100%	100%	100%	100%	100%	100%	100%
35	65%	92%	99%	100%	100%	100%	100%	100%	100%	100%
36	66%	94%	99%	100%	100%	100%	100%	100%	100%	100%
37	67%	94%	99%	100%	100%	100%	100%	100%	100%	100%
38	69%	95%	99%	100%	100%	100%	100%	100%	100%	100%
39	71%	95%	100%	100%	100%	100%	100%	100%	100%	100%
40	73%	96%	100%	100%	100%	100%	100%	100%	100%	100%
41	74%	97%	100%	100%	100%	100%	100%	100%	100%	100%
42	76%	97%	100%	100%	100%	100%	100%	100%	100%	100%
43	77%	97%	100%	100%	100%	100%	100%	100%	100%	100%
44	80%	98%	100%	100%	100%	100%	100%	100%	100%	100%
45	81%	99%	100%	100%	100%	100%	100%	100%	100%	100%
46	82%	99%	100%	100%	100%	100%	100%	100%	100%	100%
47	85%	99%	100%	100%	100%	100%	100%	100%	100%	100%
48	86%	99%	100%	100%	100%	100%	100%	100%	100%	100%
49	88%	99%	100%	100%	100%	100%	100%	100%	100%	100%
50 and Above	89%	100%	100%	100%	100%	100%	100%	100%	100%	100%
100% Response Rate	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

- Denotes confidence level below 80%
- Denotes confidence level of 80% to 90%
- Denotes confidence level of 90% to 95%
- Denotes confidence level above 95%

For Example:

In a class of 57 students, of whom 7 responded, where the mean rating on a question was 4.1, there is a **74%** chance that the actual mean is between 3.7 and 4.5 (+/- 0.4).

If 7 students in the course had responded to that question with a mean rating of 4.1, there is a **24%** chance that the actual mean is between 4.0 and 4.2 (+/- 0.1).

Created on March 5, 2009

University Planning & Analysis

K:\ClassEval\Response_Rate_Analysis\monte carlo