

Math of Social Choice – Extra Credit

Poll description

In this poll, you will be asked to rank different ways of coping with stress from most to least effective. Please select a first, second, third, etc. choice, WITHOUT making any ties.

Result details [Hide details](#)

Result

1. **Talking with friends or family** (Not defeated in any contest vs. another choice)
2. Watching movies or television, loses to talking with friends or family by 18-15
3. Listening to music, loses to watching movies or television by 20-13
4. Exercise, loses to listening to music by 22-11
5. Partying (going out with friends), loses to exercise by 19-14
6. Reading or writing, loses to partying (going out with friends) by 23-10
7. Meditation or yoga, loses to reading or writing by 25-7

	1	2	3	4	5	6	7
1. Talking with friends or family	-	18	16	23	23	27	30
2. Watching movies or television	15	-	20	21	20	25	32
3. Listening to music	18	13	-	22	21	26	31
4. Exercise	11	13	11	-	19	21	29
5. Partying (going out with friends)	11	12	14	-	23	27	-
6. Reading or writing	7	9	8	12	10	-	25
7. Meditation or yoga	4	2	1	3	7	7	-

Ballot report

	Exercise	Meditation or yoga	Reading or writing	Watching movies or television	Listening to music	Talking with friends or family	Partying (going out with friends)
1.	5	6	7	2	3	4	1
2.	2	7	1	3	4	5	6
3.	3	6	7	1	2	5	4
4.	4	7	1	6	3	5	2
5.	3	7	6	2	3	5	2
6.	6	7	1	4	2	3	5
7.	4	7	7	1	5	2	3
8.	3	7	6	5	1	2	4
9.	7	7	5	1	2	4	3
10.	5	6	3	2	1	4	7
11.	5	4	6	2	4	1	3
12.	4	7	6	1	3	2	5
13.	5	7	6	1	2	3	4
14.	4	7	6	5	1	2	3
15.	6	7	5	4	3	2	1
16.	4	5	7	2	3	1	2
17.	5	4	7	2	3	1	6
18.	2	3	7	4	1	5	6
19.	1	7	5	6	2	4	3
20.	3	7	6	5	1	2	4
21.	3	5	1	2	4	6	7
22.	1	7	6	2	5	4	3
23.	1	3	6	7	2	5	4
24.	1	7	4	3	6	2	5
25.	3	6	5	1	2	4	7
26.	4	7	6	2	3	1	5
27.	6	3	2	1	5	4	7
28.	4	7	3	6	5	2	1
29.	7	7	7	5	3	2	3
30.	4	7	6	1	2	3	5
31.	1	7	4	5	3	6	2
32.	6	7	7	2	5	1	3
33.	6	7	5	3	2	1	4
34.	3	7	2	5	6	1	4

*Ties designated by red strikethrough

	1.	2.	3.	4.	5.	6.	7.
1. Talking with friends or family	-	18	18	23	23	27	30
2. Watching movies or television	15	-	20	21	20	25	32
3. Listening to music	18	13	-	22	21	26	31
4. Exercise	11	13	11	-	19	21	29
5. Partying (going out with friends)	11	12	14	-	23	27	-
6. Reading or writing	7	9	8	12	10	-	25
7. Meditation or yoga	4	2	1	3	7	7	-

Extra Credit Vote Gradesheet

Name: Stress

Setup of poll (30):	substantive question	(10)	6	
	$n \geq 5$	(10)		✓
	$N \geq 20$	(10)		✓
Presentation (40):	1 sheet of paper, no glue, no tape, no staples	(10)		✓
	detailed ballots from website	(10)		✓
	1-1 comparison results from website	(5)		✓
	beatpaths results from website	(5)		✓
	few ties, and they are marked	(5)	3	
	organized and legible, question and key	(5)	5	
Analysis (80):	preference schedule and 1-1 comparisons	(12)		✓
	statement of number of ballot types	(2)		✓
	graph with margins	(12)		✓
	Smith set	(4)		✓
	statement about Majority candidate	(2)		✓
	statement about Condorcet candidate	(2)		✓
	credit for no Condorcet candidate?	(10)		✓
	beatpath winner(s)	(8)	4	
	runoff winner(s)	(4)	2	
	plurality winner(s)	(5)	4	
	elimination winner(s)	(8)	6	
	pairwise winner(s)	(8)	6	
	check on pairwise points	(3)		✓

mistakes and unnecessary disq.
- mistake
} work not shown

Grade (of 150 possible points): 133/150