

Homework 3: Do Trivia Nerds Cheat?

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Question 1: Clean data and report summary statistics of percent correct answers by year and round of the championship, as well as when these players are on the honor system. Provide hypotheses as to why these summary percentages might vary.

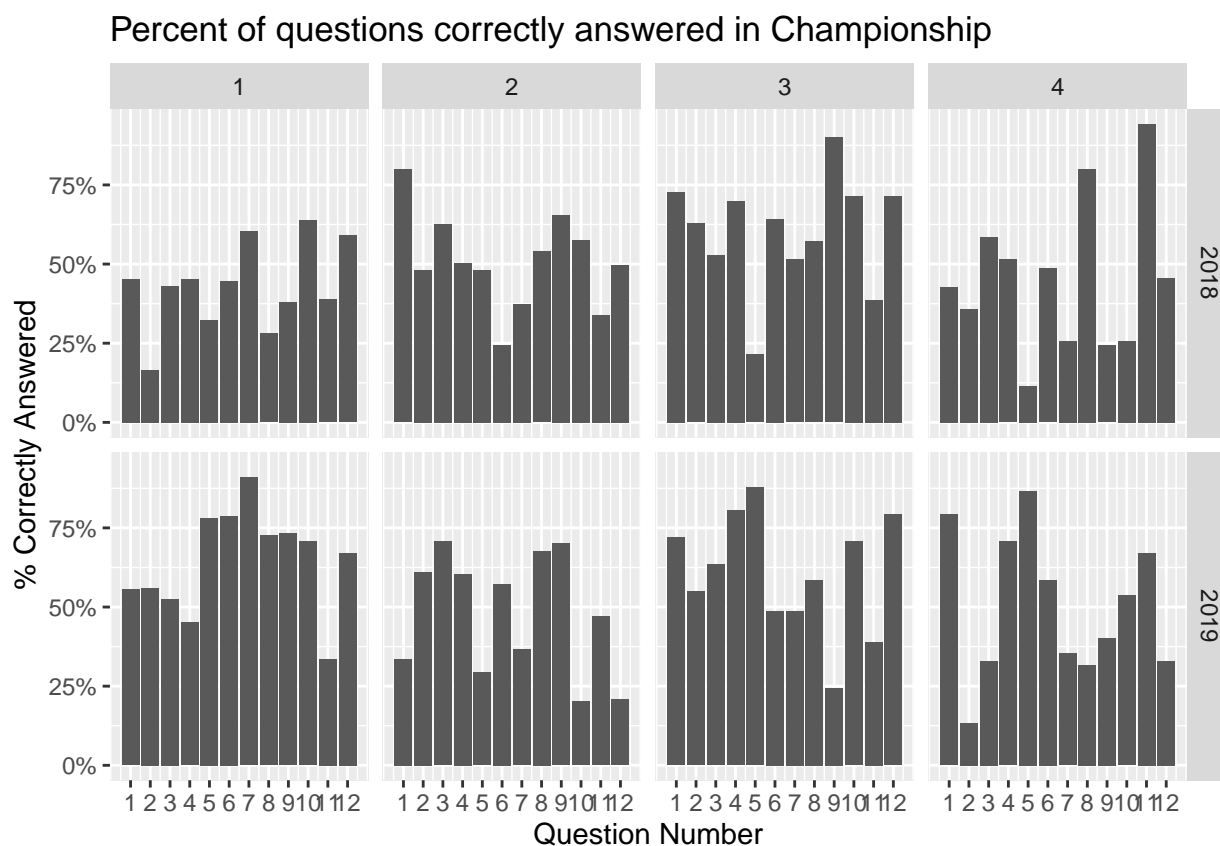


Table 1: 2018/2019 Championship Percentage Correct by Question

Round Number	2018				2019			
	1	2	3	4	1	2	3	4
Sample Size (n =)	1668	1668	840	840	1968	1968	984	984
Question 1	45.32%	79.86%	72.9%	42.9%	55.49%	33.54%	72.0%	79.3%
Question 2	16.55%	48.20%	62.9%	35.7%	56.10%	60.98%	54.9%	13.4%
Question 3	43.17%	62.59%	52.9%	58.6%	52.44%	70.73%	63.4%	32.9%
Question 4	45.32%	50.36%	70.0%	51.4%	45.12%	60.37%	80.5%	70.7%
Question 5	32.37%	48.20%	21.4%	11.4%	78.05%	29.27%	87.8%	86.6%
Question 6	44.60%	24.46%	64.3%	48.6%	78.66%	57.32%	48.8%	58.5%
Question 7	60.43%	37.41%	51.4%	25.7%	90.85%	36.59%	48.8%	35.4%
Question 8	28.06%	53.96%	57.1%	80.0%	72.56%	67.68%	58.5%	31.7%
Question 9	38.13%	65.47%	90.0%	24.3%	73.17%	70.12%	24.4%	40.2%
Question 10	64.03%	57.55%	71.4%	25.7%	70.73%	20.12%	70.7%	53.7%
Question 11	38.85%	33.81%	38.6%	94.3%	33.54%	46.95%	39.0%	67.1%
Question 12	58.99%	49.64%	71.4%	45.7%	67.07%	20.73%	79.3%	32.9%

Table 2: Percentages of Honor System Success by Round and Year

Year	1	2	3	4
2018	79.7% (n = 1668)	79.7% (n = 1668)	80.7% (n = 840)	80.7% (n = 840)
2019	79.5% (n = 1968)	79.5% (n = 1968)	80.7% (n = 984)	80.7% (n = 984)