

Unit 6 Tutorial: Exercise 20

Type your name here

Problem 1

On a Quinnipac University national poll conducted between May 31 and June 6, 2017, 62% of 1,361 randomly sampled American adults said they disapprove of President Trump's decision to withdraw from the Paris Accord.

Source: <https://poll.qu.edu/national/release-detail?ReleaseID=2462>

You are asked to write a newspaper article about the percentage of Americans who are against withdrawing from the Paris climate agreement. You, obviously, should not only report the point estimate from the survey, but also provide a margin of error around it. Report the findings in one sentence at the 95% confidence level. Don't forget to check the conditions when completing the following tasks.

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Problem 2

In class we worked on the example of the slasher horror film. We computed a confidence interval for the difference in the survival rate for **female** characters when there is sexual activity present/absent in the movie. Now let's explore if survival for **male** characters in slasher films associated with sexual activity?

Gender	Sexual activity	Outcome of physical aggression		<i>n</i>
		Survival	Death	
Female				
	Present	13.3% (<i>n</i> =11)	86.7% (<i>n</i> =72)	83
	Absent	28.1% (<i>n</i> =39)	71.9% (<i>n</i> =100)	139
Male				
	Present	9.5% (<i>n</i> =7)	90.5% (<i>n</i> =67)	74
	Absent	14.8% (<i>n</i> =28)	85.2% (<i>n</i> =161)	189