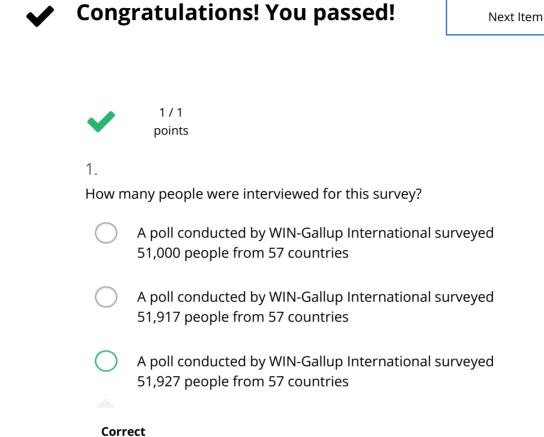
Week 4 Lab

Quiz, 13 questions



1 of 8 9/21/18, 9:08 PM

A poll conducted by WIN-Gallup International surveyed

52,000 people from 57 countries

Week 4 Lab	1 / 1 points
2.	
Which	of the following methods were used to gather information?
	Face to face
	Telephone
	Internet
	All of the above
Corre	ect
✓ 3.	1 / 1 points
In the f	first paragraph, several key findings are reported. These tages appear to be <i>sample statistics</i> .
	True
Corre	ect
\bigcirc	False

Week 4 La	b 1/1 points
Quiz, 13 questions	
	4.
	The title of the report is "Global Index of Religiosity and Atheism". To generalize the report's findings to the global human population, We must assume that the sample was a random sample from the entire population in order to be able to generalize the results to the global human population. This does seem to be a reasonable assumption.
	True
	False
	Correct
	1/1
	points
	5.
	What does each row of Table 6 correspond to?
	Individual Persons
	Religions
	Countries
	Correct

Week 4 Lab	1 / 1 points
Quiz, 13 questions 6.	
	does each row of atheism correspond to?
	Individual Persons
Cor	rect
	Religions
	Countries
~	1 / 1 points
7.	
that co to the propo	the command below, create a new dataframe called us12 ontains only the rows in atheism associated with respondents 2012 survey from the United States. Next, calculate the rtion of atheist responses. [TRUE / FALSE] This percentage is with the percentage in Table 6.
	True
Corr	rect
	False

Week 4 Lab		1 / 1 points
Quiz, 13 questions		
8		
		on the R output, what is the margin of error for the estimate proportion of the proportion of atheists in US in 2012?
		The margin of error for the estimate of the proportion of atheists in the US in 2012 is 0.05.
	\bigcirc	The margin of error for the estimate of the proportion of atheists in the US in 2012 is 0.0135.
	Corre	ect
		The margin of error for the estimate of the proportion of atheists in the US in 2012 is 0.025.
_		
3	K	0 / 1 points
9		
W		of the following is false about the relationship between p
,		The most conservative estimate for calculating a confidence interval occurs when p is set to 1
		The ME is maximized when $p = 0.5$
	This s	should not be selected
		The ME reaches a minimum at $p = 0$
	\bigcirc	The ME reaches a minimum at p = 1

Week 4 Lab	1 / 1 points
Quiz, 13 questions	
	O. There is convincing evidence that Spain has seen a change in its theism index between 2005 and 2012.
at	neisiii iiidex between 2005 and 2012.
(False
	Correct
(True
•	1 / 1 points
	1. nere is convincing evidence that the United States has seen a nange
in	its atheism index between 2005 and 2012.
(True
	Correct
(False

1/1 points

Quiz, 13 questions

12.

If in fact there has been no change in the atheism index in the countries listed in Table 4, in how many of those countries would you expect to detect a change (at a significance level of 0.05) simply by chance? *Hint: Type 1 error*.

\bigcirc	1.95

Correct

	•

Week	4	Lab	
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1/1 points

Quiz, 13 questions

13.

Suppose you're hired by the local government to estimate the proportion of residents that attend a religious service on a weekly basis. According to the guidelines, the estimate must have a margin of error no greater than 1% with 95% confidence. You have no idea what to expect for p. How many people would you have to sample to ensure that you are within the guidelines? Hint: Refer to your plot of the relationship between p and margin of error. Do not use the data set to answer this question.

\bigcirc	At least 2401 people
\bigcirc	9604 people
	At least 9604 people
Correct	
	2401 people

2

