Week 3 Quiz
Quiz, 5 questions

4/5 points (80%)

✓ **Congratulations! You passed!**

[Next Item]

✓ 1 / 1
point

1.

We take a random sample of individuals in a population and identify whether they smoke and if they have cancer. We observe that there is a strong relationship between whether a person in the sample smoked or not and whether they have lung cancer. We claim that the smoking is related to lung cancer in the larger population. We explain we think that the reason for this relationship is because cigarette smoke contains known carcinogens such as arsenic and benzene, which make cells in the lungs become cancerous.

✓ 1 / 1
point

2.

What is the most important thing in Data Science?

Week 3 Quiz ✖
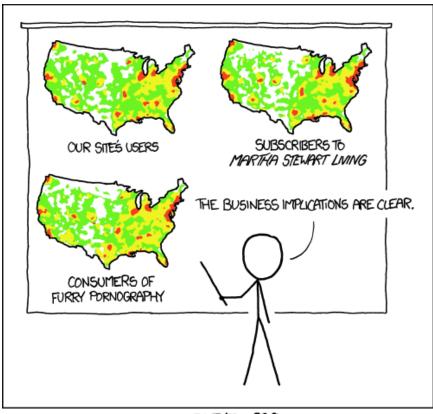
Quiz, 5 questions

0 / 1
point

4/5 points (80%)

3.

If the goal of a study was to relate Martha Stewart Living Subscribers to Our Site's Users based on the number of people that lived in each region of the US, what would be the potential problem?

Link to image

Source: http://xkcd.com/1138/

Week 3 Quiz ✔

Quiz, 5 questions

4/5 points (80%)

1 / 1 point

4.

What is an experimental design tool that can be used to address variables that may be confounders at the design phase of an experiment?

✔ 1 / 1 point

5.

What is the reason behind the explosion of interest in big data?

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