Q3

Due Oct 17 at 11:59pm   **Points** 1   **Questions** 10

Available Oct 14 at 3:30pm - Oct 17 at 11:59pm   **Time Limit** 20 Minutes

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Instructions

This quiz covers material from: **week 3**

Reminders:

- There are 10 questions.
- You have only one attempt.
- You have 20 minutes.
- All lecture quizzes must be completed by Monday of the following week.

Attempt History

	Attempt	Time	Score
LATEST	[Attempt 1](#)	12 minutes	1 out of 1

⚠ Correct answers are hidden.

Score for this quiz: **1** out of 1
Submitted Oct 14 at 7:12pm
This attempt took 12 minutes.

Question 1	0.1 / 0.1 pts

If pandas has been imported as pd, what pandas function would you use to read in a file where observations are separated by rows and columns are separated by commas?

○ pd.read_json()

○ json.load()

○ csv.reader()

◉ pd.read_csv()

Question 2

0.1 / 0.1 pts

If df.shape returned (100, 3), which of the following would be true? (Check all that apply.)

☐ df would have 3 rows

☑ df would have 100 rows

☑ df would have 3 columns

☐ df would have 100 columns

Question 3

0.1 / 0.1 pts

You want to see a subset of the rows of a pandas data frame. So you type

    df.iloc[4: , :]

What do you see? And what is that operation called?

○ you see from row 4 until the end, the operation is called mutating

◉ you see from row 4 until the end, the operation is called slicing

○ you see from the beginning to row 4, the operation is called slicing

○

you see from the beginning to row 4, and the operation is called mutating

Question 4   0.1 / 0.1 pts

What is an example of a system or algorithm that had unintended consequences? Select all answers that apply.

☑

Biomedical research often has excluded female subjects; this was done in order to make experiments easier, but now it turns out some standard medical treatments work better for men than women

☑

Strava allows users to share their workout maps, it helps keep people engaged to be social on the app. However, when soldiers run and share, it exposes internal structure of secret military bases

☑

Facebook wanted to help connect people; it succeeded, but one of the forms of connection was allowing mobs of people to organize in order to kill hated ethnic minorities

☑

YouTube wanted to keep viewers engaged; it succeeded by showing them more of the emotional content they desired, but some of those people ended up finding more and more polarizing material and became radicalized.

Question 5   0.1 / 0.1 pts

A data frame, df, has many numeric variables in columns. We want to quickly show a bunch of summary statistics for each variable separately we should type:

- ◉ df.describe()

- ○ df.described

- ○ df.stats()

- ○ df.statistics

Question 6   0.1 / 0.1 pts

True/False: As long as the data scientist's intentions are good, their work will be ethical.

- ○ True

- ◉ False

Question 7   0.1 / 0.1 pts

True/False: All personally identifiable information must be removed from data prior to analysis.

- ○ True

- ◉ False

Question 8   0.1 / 0.1 pts

We talked about the idea that you have to consider whether it is ethical to even ask a particular question. Which of the following was an example used for this?

- ◉ Detecting criminality from faces

- ○ Ashley Madison Hack

- ○ Facebook's emotional contagion study

- ○ Only using male mice in biological studies

Question 9   0.1 / 0.1 pts

What makes a good data science question? Select all that apply.

- ☐ uses only perfectly clean data

- ☑ defines what is being measured

- ☑ is specific enough that reading the question tells us how to answer it

- ☑ is answerable with data that could be obtained

- ☐ vague enough that nobody is offended

Question 10   0.1 / 0.1 pts

Which of the following questions is NOT a vague data science question?

○ What gets attention in the news?

◉ Is there a relationship between the sentiment of political words in South Park and America's presidential approval rating?

○ Why isn't police response time always the same?

○ Why are housing costs so high in San Diego?

Quiz Score: **1** out of 1