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1

2 / 1 point

Order the steps (from the start to the end) to get the number of reviews per neighborhood for listings below US\$200 from the `new_york.csv` Airfield dataset in Tableau?

(no answer)

Correct Answer: Choose Data > New data source at the top and select new_york.csv

(no answer)

Correct Answer: Click on the sheet tab (bottom) to open the spreadsheet

(no answer)

Correct Answer: Drag the neighborhood variable into the sheet > rows field at top

(no answer)

Correct Answer: Drag the number of reviews variable into the Marks > Text field

(no answer)

Correct Answer: Drag the price variable into the Filters field

(no answer)

Correct Answer: Select All values > Range of values > Maximum = 200

2

2 / 1 point

Which of these is **not** a property of SQL, the programming language for relational database management systems?

☐ Control RDBMS (e.g. user access)

☐ Stream data to databases (e.g. store data over a network)

☐ Query databases (e.g. find customer records)

☐ Define tables in databases (e.g. a table for customer data)

(no answer)

Correct Answer: Stream data to databases (e.g. store data over a network)

3

2 / 1 point

You've imported the data from `file.csv` into R and saved them as a data frame `df`. Which R console commands display the data?

☐ `shell("notepad file.csv")`

Missed Option - Incorrect

☐ `fix(df)`

Missed Option - Incorrect

☐ `write.csv(df, file="file.csv")`

Missed Option - Incorrect

☐ `df`

Missed Option - Incorrect

(no answer)

4

2 / 1 point

What's the result of this code (provided that `sqldf` is installed)?

```
library(sqldf)
sqldf("SELECT name FROM customer")
```

☐ A vector

☐ A dataframe

Missed Option - Incorrect

☐ A query on the dataframe customer

Missed Option - Incorrect

☒ A database connection

(no answer)

5

2 / 1 point

To use Tableau, you need to download the desktop app.

☐ True

☐ False

(no answer)

Correct Answer: False

6

2 / 1 point

Data used during an interactive R session is stored in volatile RAM (and disappears when quitting unless explicitly saved).

☐ True

☐ False

(no answer)

Correct Answer: True

7

2 / 1 point

Which of these is **not** a purpose of the Tableau application?

☐ Access to data analysis tools

☐ Self-extensibility (freely programmable)

☐ Click, drag and drop data visualization

☐ Dashboard building

(no answer)

Correct Answer: Self-extensibility (freely programmable)

8

2 / 1 point

Relational databases are designed like data frames - variables have types and are stored in rectangular tables.

☐ True

☐ False

(no answer)

Correct Answer: True

9

2 / 1 point

What is the order of function calls to create an R Shiny app?

(no answer)

Correct Answer: Load the shiny package

(no answer)

Correct Answer: Create a client user interface

(no answer)

Correct Answer: Create a server script

(no answer)

Correct Answer: Call `shinyApp` for client and server

10

2 / 1 point

According to the **client/server** computing model, **clients** (like a desktop PC, a mobile phone or a laptop) are connected to a **server** via the **Internet**.

☐ True

☐ False

(no answer)

Correct Answer: False

11

2 / 1 point

What happens when you try to establish a database connection to a database `test.db` that does not exist?