

# Week 4: Tools for Data Science

## Final Exam

**1.**

Question 1

What does SQL stand for?

**1 / 1 point**

☐

Strong Query Language

☐

Structured Quick Language

☒

Structured Query Language

☐

Structured Quadrant Language

**Correct**

**2.**

Question 2

PyTorch is what type of Python library?

**1 / 1 point**

☐

Linear algebra

☐

Machine learning

☐

HTTP

☐

Data visualization

**Correct**

**3.**

Question 3

What type of model is used to predict a target variable with two classes?

**1 / 1 point**

☐

Clustering model



Regression model



Classification model

**Correct**

**4.**

Question 4

What is data governance?

**1 / 1 point**



Deleting data stored within a central repository



An implementation of data processes and controls



Creating processes and controls around the access of data



Storing data in a central repository

**Correct**

**5.**

Question 5

When learning data science what open source tools are the most used?

**1 / 1 point**



RStudio

**Correct**



Spyder



Notepad



Jupyter Notebooks / JupyterLab

**Correct**



VSCode

**6.**

Question 6

RStudio is the tool most R developers use.

1 / 1 point

☐

No

☒

Yes

Correct

7.

Question 7

What type of environment is RStudio?

1 / 1 point

☐

Framework

☐

API

☐

Software Development Kit (SDK)

☒

Integrated Development Environment (IDE)

Correct

8.

Question 8

Which of the following statements about Jupyter Notebook is correct?

1 / 1 point

☐

Jupyter Notebook supports the Visualization of data in charts.

☐

Jupyter Notebook is only available if installed locally on your computer.

☐

Jupyter Notebook provides storage of massive quantities of data in data lakes.

☐

Jupyter Notebook is a commercial product of IBM.

Correct

9.

Question 9

Which feature in Watson Studio helps to keep track of and discover relevant Machine Learning assets?

**1 / 1 point**



All of the above



Watson Knowledge Catalog



OpenScale



AutoAI



Modeler Flows

**Correct**

**10.**

Question 10

What are some of the Data Refinery abilities when working with data?

**1 / 1 point**



Analyzes data but cannot be saved for future use



Can only analyze small amounts of data at a time



Analyzes data but takes longer to prepare



Analyzes and transforms data quickly

**Correct**

**11.**

Question 11

Modeler flows in Watson Studio always begin with which type of node?

**1 / 1 point**



An output node



All of the above



A modeling node



A data source node



A type node

**Correct**

**12.**

Question 12

What software package is used specifically to analyze data related to social sciences?

**1 / 1 point**



Charts



Graphical user interface



SPSS



Modelers

**Correct**