Final Exam Questions

Question 1

1 point possible (graded)

Which are the three most used languages for data science? (Select all that apply.)

- ☐ Java
- ☐ R
- ☐ Scala
- ☐ Python
- ☐ SQL

Question 2

1 point possible (graded)

Which of these is a database query language?

- ○ SQL
- ○ Python
- ○ Julia
- ○ All of the Above

Question 3

1 point possible (graded)

Is it possible to use machine learning within a web browser with Javascript?

- ○ No
- ○ Yes

Question 4

1 point possible (graded)

Which of these is not a machine learning or deep learning library for Python?

- ○ Scikit-learn
- ○ PyTorch
- ○ Keras
- ○ NumPy

Question 5

1 point possible (graded)

Comma Separated Values (CSV) is a commonly used format to store:

- ○ Tabular data
- ○ Hierarchical or network data
- ○ All of the above

Question 6

1 point possible (graded)

Classification models can be used to determine whether:

- ○ an image contains a dog
- ○ a video contains a specific sound
- ○ an email is likely spam
- ○ All of the above

Question 7

1 point possible (graded)

Generally speaking, which type of model is used to predict a numerical value, such as the potential sales price of a used car?

- ○ Classification model
- ○ Regression model
- ○ Clustering model

Question 8

1 point possible (graded)

Fill in the blank: _____ is the heart of every organization.

○ The cloud

○ Data

○ Integration

○ Open source

Question 9

1 point possible (graded)

What does the "BI" in BI Tools stand for?

○ Build Information

○ Business Intelligence

○ Build Integration

○ Business Integration

Question 10

1 point possible (graded)

Which of the following are true about Data Asset Management?

○ To be done effectively data must be versioned and annotated with meta data.

○ A crucial part of data science at the enterprise level.

○ Also known as data governance.

○ All of the above

Question 11

1 point possible (graded)

Which are the two most used open source tools for data science? (Select all that apply.)

- [ ] Notepad
- [ ] RStudio
- [ ] Jupyter Notebooks / JupyterLab
- [ ] Spyder
- [ ] VSCode

Question 12

1 point possible (graded)

What tool do most R developers use?

- ( ) Jupyter Notebooks / JupyterLab
- ( ) RStudio

Question 13

1 point possible (graded)

What tool do most Python developers use?

- ( ) Jupyter Notebooks / JupyterLab
- ( ) RStudio

Question 14

1 point possible (graded)

True or false? Jupyter Notebooks / JupyterLab support development in R.

- ( ) True
- ( ) False

Question 15

1 point possible (graded)

Which tool unifies documentation, source code and data visualizations into a single document?

○ Notepad

○ VSCode

○ Jupyter Notebooks / JupyterLab

Question 16

1 point possible (graded)

Which command is used to install packages in R?

○ install.package("package name")

○ install("package name")

○ package("package name")

○ install.packages("package name")

Question 17

1 point possible (graded)

Which of the following functions does RStudio provide?

○ Documenting R code applications.

○ Storing data in tables.

○ Creating relationships between data tables.

○ Editing and execution of R code.

Question 18

1 point possible (graded)

True or False: The Jupyter Notebook kernel must be installed on a local server.

○ True

○ False

Question 19

1 point possible (graded)

Which of the following statements about Jupyter Notebooks is correct?

- ○ Jupyter Notebooks are only available if installed locally on your computer.

- ○ Jupyter Notebooks support the Visualization of data in charts.

- ○ Jupyter Notebooks are a commercial product of IBM.

- ○ Jupyter Notebooks provide storage of massive quantities of data in data lakes.

Question 20

1 point possible (graded)

True or false? R studio supports development in Python.

- ○ True

- ○ False

Question 21

1 point possible (graded)

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

- ○ Watson Knowledge Catalog

- ○ AutoAI

- ○ Modeler Flows

- ○ OpenScale

- ○ All of the above

Question 22

1 point possible (graded)

Fill in the blank: If you'd like to schedule a notebook in Watson Studio to run at a different time you can create a(n) _____.

- ○ API

- ○ markdown cell

- ○ job

- ○ asset

Question 23

1 point possible (graded)

Fill in the blank: In the _____ tab you can define the hardware size and software configuration for the runtime associated with Watson Studio tools such as Notebook.

- ○ settings
- ○ assets
- ○ environments
- ○ overview

Question 24

1 point possible (graded)

Fill in the blank: It's a best practice to remove or replace _____ before publishing to GitHub.

- ○ credentials
- ○ charts
- ○ markdown text
- ○ code cells