Week 1: Tools of Data Science

Quiz 1: Languages

1.
Question 1
Which of the following statements is true?
4 / 4
1/1 point
Python is the most popular language in data science.
Tythom's the most popular language in data science.
80% of data scientists worldwide use Python.
Python is useful for AI, machine learning, web development, and IoT.
0
Keras, Scikit-learn, Matplotlib, Pandas, and TensorFlow are all Python libraries
Theras, centre tearn, marprotito, randas, and renson ton are attributed and antes
•
All of the above
Correct
2.
Question 2
Which of the following are SQL databases? (Select all that apply.)
1/1 point
▼ Form
MySQL
Correct
CouchDB
MongoDB
Moligodo
Oracle
Correct
Maria D.D.
MariaDB
Correct
PostgreSQL

Correct
3. Question 3 Which statement is not true about Open Source and Free Software?
1/1 point
Free Software and Open Source can be used interchangeably.
© Free Software can always be run, studied, modified and redistributed with or without changes.
Most of Free Software licenses also qualify for Open Source.
Open Source Software can be modified without sharing the modified source code depending on the Open Source license.
Correct
4. Question 4 Is the following statement true or false: R integrates well with other computer languages like C++, Java, C, .Net and Python.
1/1 point
True
C False
Correct
5.
Question 5 Which of the following languages can be used for data science?
1/1 point
© R
O Julia
O Java
O Javascript

© Scala
© SQL
• All of the above
Correct
6. Question 6 Which of the following is not used to make Artificial Intelligence and Machine Learning possible?
1/1 point
© Oracle
© PyTorch
C TensorFlow.js
O Apache Spark
Caffe
Correct

Quiz 2: Tools

1.

Question 1 Which of the following are common tasks in Data Science? (Select all that apply)
1 / 1 point
Data Management
Correct
Data Integration and Transformation
Correct
Data Visualization
Correct
Model Building
Correct
Model Deployment
Correct
Model Monitoring and Assessment
Correct
2.
Question 2
Which of the following are data management tools? (Select all that apply.)
1/1 point
GitHub
MySQL
Correct
PostgreSQL
Correct
KubeFlow

PixieDust
3. Question 3 Which of the following are Data Integration and Transformation tools? (Select all that apply.)
1/1 point
Cassandra
Cassandra
A version Maffee
Apache Kafka
Correct
Apache Nifi
Apache Mili
Correct
Apache AirFlow
Correct
Ceph
4.
Question 4
Which statement about JupyterLab is correct?
Which statement about JupyterLab is correct?
Which statement about JupyterLab is correct? 1/1 point
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RStudio is the primary choice for web development.
RStudio is the primary choice for development in the Python programming language.
Correct
6. Question 6 Which statements about IBM Watson Studio and OpenScale are correct? (Select all that apply.)
1/1 point
 □ Watson Studio together with Watson OpenScale is a database management system. □ Watson Studio together with Watson OpenScale covers the complete development life cycle for all data
science, machine learning and AI tasks.
Correct
Watson Studio together with Watson OpenScale is available as a Cloud offering as well as a package running on top of Kubernetes/RedHat OpenShift in a local data center called IBM Cloud Pak for Data.
Correct

Quiz 3: APIs, Data Sets, Models

Question 1 Which scientific computing library provides data structures and data analysis tools for Python?
1/1 point
TensorFlow
•
Pandas
0
YumPies
0
Seahorse
Seanoise
Correct
2.
Question 2
What does the acronym API stand for?
1/1 point
Abstract Programming Interface
•
Application Programming Interface
Algorithmic Programming Interface
0
Abstract Python Interface
Correct
3. Question 3
True or False: Open data is always distributed under a Community Data License Agreement.
True of False, open data is attracted under a community Bata Election Agreement.
1/1 point
True
•
False
Coweath
Correct

4. Question 4 Which of the following is not a type of Machine Learning?
1 / 1 point
Supervised learning
© Supervised teaching
C Reinforcement learning
Kemorcement tearning
Unsupervised learning
Correct
5.
Question 5 Which of the following is NOT a deep learning framework?
1/1 point
O O
Keras
•
Tommy
PyTorch
. y . o. e
TensorFlow
Correct
Correct
6.
Question 6
Fill in the blank: The MAX model-serving microservices expose a that applications use to consume a model.
use to consume a modet.
1 / 1 point
Java API
<u></u>
O Python API
T yellolita i
•
REST API

0

Scala API

Correct

Final Assessment

Question 1 Which are the three most used languages for data science? (Select all that apply.)
1/1 point
Python
Correct
SQL
Correct
Scala
R
Correct
Java
2.
Question 2
Is it possible to use machine learning within a web browser with Javascript?
1/1 point
•
Yes
\circ
No
Correct
3.
Question 3 Comma Separated Values (CSV) is a commonly used format to store:
1/1 point
Hierarchical or network data
Tabular data
All of the above

Correct
4. Question 4 Classification models can be used to determine whether:
1 / 1 point
O An email is likely spam.
\circ
A video contains a specific sound.
\circ
An image contains a dog.
•
All of the above.
Correct
5.
Question 5 Fill in the blank: is the heart of every organization.
1/1 point
The cloud
© Data
Open source
O Integration
Correct
6.
Question 6 What does the "BI" in BI Tools stand for?
1/1 point
Business Integration
Build Information

Business Intelligence



Build Integration

Correct