

Getting Started with Enterprise Data Science

Date / Time	Student Score	Passing Score	Result
October 2, 2021 1:49 pm	100	100	Pass

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#	Question	Correct Answer	Student Answer	Result	Points Awarded
1	Data Transformation and Representation is made up of 4 steps: Algorithm Alignment, Data Formatting, Exploratory Data Visualization, and _____?	C) Statistical Analysis	C) Statistical Analysis	Correct	10
2	Algorithm Alignment is an action taken by the Data Analyst, where mathematical operations are applied to the data set to find the best algorithm fit.	A) TRUE	A) TRUE	Correct	10
3	Because summary statistics can be misleading on their own, the Data Scientist will perform which step to further contextualize and analyze the data?	D) Exploratory Data Visualization	D) Exploratory Data Visualization	Correct	10
4	[Select Two] After performing both steps of Data Representation, Maria (the Data Scientist), concludes that fraud is most likely to occur when these two conditions are met.	C) Large claim amount., A) Customer has made multiple claims in one year.	C) Large claim amount., A) Customer has made multiple claims in one year.	Correct	10

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1	Which of the following tasks is a typical role of a data journalist?	C) Visualizing the data	C) Visualizing the data	Correct	10
2	Which of the following is one of the most fundamental characteristics of a data scientist?	B) Having a sense of curiosity about all things	B) Having a sense of curiosity about all things	Correct	10
3	The evolution of data science (although not always called that) started in late 1890 with the advent of tabulating machines. Which of the following paths best depict its trajectory and evolution over the years?	C) Moving from supporting statistical analysis to machine learning approaches	C) Moving from supporting statistical analysis to machine learning approaches	Correct	10
4	Select all that describe the characteristics of data:	B) Variety, A) Volume	B) Variety, A) Volume	Correct	10
5	When thinking about the 5 main Vs of data, what does Veracity refer to?	D) Refers to the messiness or trustworthiness of the data.	D) Refers to the messiness or trustworthiness of the data.	Correct	10
6	As a data journalist, which of the following tasks are most germane to your role?	A) Communication skills	A) Communication skills	Correct	10

7	[Select Two] Which of the following would remain elusive from the grasp of artificial intelligence, machine learning and even data science? Select all that applies.	D) Story telling, A) Curiosity	D) Story telling, A) Curiosity	Correct	10
8	[Select Two] Which of the following are examples of unstructured data?	D) Twitter feeds, B) Facebook images	D) Twitter feeds, B) Facebook images	Correct	10
9	Which of the following is an example of semi-structured data?	D) JSON files	D) JSON files	Correct	10
10	In a Venn diagram that depicts the intersection of Science, Technology and Data has highlighted a cross section known as the 'danger zone.' Which of the following is an accurate depiction of this overlap in the Venn diagram?	A) Has technology and data experience but no science (analytics) background	A) Has technology and data experience but no science (analytics) background	Correct	10

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#	Question	Correct Answer	Student Answer	Result	Points Awarded
1	Enterprises are struggling to capture the value of data. Which of the following depicts this struggle?	D) All of the above	D) All of the above	Correct	10
2	An integrated development environment (IDE) for data science projects provides which of the following capabilities?	C) It provides a suite of tools for data scientists, application developers and subject matter experts	C) It provides a suite of tools for data scientists, application developers and subject matter experts	Correct	10
3	Which of the following is an example of opensource visualization and plotting tool or tools?	D) All of the above	D) All of the above	Correct	10
4	The Communities tab of Watson Studio provides which of the following artifacts?	D) All of the above	D) All of the above	Correct	10
5	The Profile view, under the Refinery tab of Watson Studio is designed to present you with which of the following pieces of information?	A) Frequency and statistics	A) Frequency and statistics	Correct	10
6	Watson Studio is the IBM premier integrated development environment for data science and artificial intelligence practitioner. For the data scientist, tiding data is the most time consuming and least enjoyable activity. Which of the following tools in Watson Studio is best suited to help with data tiding and data wrangling?	C) Using the Data Refinery tool	C) Using the Data Refinery tool	Correct	10
7	Using Watson Studio as an integrated development environment has addressed which of the following most vexing challenges for any data scientist:	B) It has bridged the gap between data experts and domain experts	B) It has bridged the gap between data experts and domain experts	Correct	10
8	When using Jupyter Notebooks, inevitably, you will need to import libraries such as NumPy and SciPy. Which of the following integration layers best describes this kind of an activity:	C) Scientific computing and statistic packages	C) Scientific computing and statistic packages	Correct	10
9	There are many ideas as to why some data scientists prefer Python over RStudio. Which of the following seems to be the prevailing argument that favors Python over R?	A) Python is a more generalized language versus R that is more	A) Python is a more generalized language versus R that is more	Correct	10

		statistics focused	statistics focused		
10	[Select Two] Watson Studio incorporates many other AI services and APIs, which of the following is currently used in Watson Studio. Select all that applies:	B) Data refinery, A) Visual recognition	B) Data refinery, A) Visual recognition	Correct	10
11	With Watson Studio, which of the following methods allow you to access data:	D) All of the above	D) All of the above	Correct	10
12	[Select Two] There are many advantages to importing static data from your local hard drive such as ease of import and ability to update data locally. Which of the following is a hindrance to using static data? Select all that applies.	B) Not practical for production environments, A) This makes it difficult to have multiple people working on the data at the same time	B) Not practical for production environments, A) This makes it difficult to have multiple people working on the data at the same time	Correct	10
13	When working with Data Refinery in Watson Studio, you are presented with three tabs: Data, Profile and Visualization. What is the purpose of the Profile view?	C) In the Profile view, the user can validate the data to see if any features may need further data refinery.	C) In the Profile view, the user can validate the data to see if any features may need further data refinery.	Correct	10