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☆

You have passed the quiz!

Your score:
10 of 13 Correct (76%)

Elapsed time:
9 minutes

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Question 1: ✔ Correct answer
Who is a "Citizen Data Scientist"?

☑ **Someone without formal training in advanced mathematics and statistics that uses no-code applications to extract high-value insights from data.**

☐ A data scientist that has left their job or formal position but still does data science as a hobby.

☐ Someone who aspires to become an expert data scientist but is currently at the beginner ("citizen") stage of this journey.

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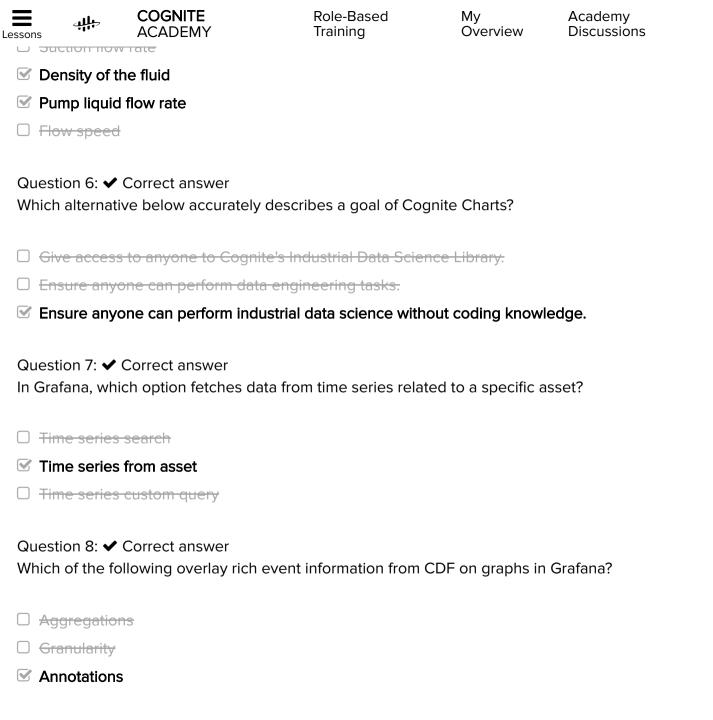Overview

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☑ Even for experienced data scientists, it means they can do more with their time and skills, using it where it matters the most.

☑ It enables industrial domain experts - the ones who interact with industrial equipment the most - to perform industrial data science and gain more insight without needing to learn how to code.

Question 3: ✔ Correct answer
How can calculating valve mileage help us improve maintenance routines?

☑ Valve mileage is an example of a maintenance parameter derived from the specific equipment's behavior, as opposed to a generic parameter, like total running time. It can help us move away from calendar-based maintenance toward smarter, condition-based maintenance.

☐ When it's time to do scheduled maintenance, we can look at the valve's mileage to decide if it's needed or not.

☐ Valve mileage can help us do maintenance because it tells us which valve has traveled the farthest, meaning it is performing the best out of all valves and is therefore not in need of maintenance.

Question 4: ✔ Correct answer
What is usually the first step when performing a contextual or root cause analysis?

☑ Data exploration.

☐ Charting and visualisation.

☐ Creating functions.

Question 5: ✖ Incorrect answer
What parameters do you use to calculate a pump's hydraulic power in Cognite Charts? *Multiple answers may be correct.*

Hint   +

☐ ~~Suction flow rate~~

☑ **Density of the fluid**

☑ **Pump liquid flow rate**

☐ ~~Flow speed~~

Question 6: ✔ Correct answer
Which alternative below accurately describes a goal of Cognite Charts?

☐ ~~Give access to anyone to Cognite's Industrial Data Science Library.~~

☐ ~~Ensure anyone can perform data engineering tasks.~~

☑ **Ensure anyone can perform industrial data science without coding knowledge.**

Question 7: ✔ Correct answer
In Grafana, which option fetches data from time series related to a specific asset?

☐ ~~Time series search~~

☑ **Time series from asset**

☐ ~~Time series custom query~~

Question 8: ✔ Correct answer
Which of the following overlay rich event information from CDF on graphs in Grafana?

☐ ~~Aggregations~~

☐ ~~Granularity~~

☑ **Annotations**

Question 9: ✘ Incorrect answer

☐ ~~You get the last value displayed among with the other values. Telling you the last ten values.~~

☐ **You get the last value displayed and don't need to try to read it out from the graph.**

☑ ~~Both of the above.~~

Question 10: ✖ Incorrect answer
How do you create a gauge (new or clone existing one)?

☐ **Create a panel with one or more time series. Under visualization, choose gauge.**

☐ ~~Create a panel, and gauge will be the default visualization type.~~

☑ ~~Create a panel with one or more time series. Choose gauge in the drop-down menu for Aggregation.~~

Question 11: ✔ Correct answer
Fill in the gaps. When you add _____ in Power BI, the Cognite Power BI connector pushes the filters to CDF via the Cognite _____.

☐ ~~data, Power BI connector~~

☑ **filters, OData service**

☐ ~~datapoints, Power Query~~

Question 12: ✔ Correct answer
How can you query CDF for the aggregates in Power BI?

☐ ~~By specifying time range and time series id.~~

☐ ~~By specifying time series id and granularity.~~

☑ **By specifying time range and granularity.**

Question 13: ✔ Correct answer
How can you download a lot of data into Power BI efficiently?

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☑ Using filtering.

☐ ~~Using granularity.~~