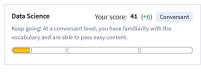
Your latest: 100% • Your highest: 100% • To pass you need at least 66%. We keep your highest score.

Next item →

## You increased your skill score!



1.	You are a new data scientist. You have been tasked with coming up with a solution for reducing traffic congestion and improving transportation efficiency. How would you go about it?	1/1 point
	O Suggest implementation of surge charges for ride-sharing services.	
	O Suggest creating more parking lots and garages in the city	
	Gather and analyze streetcar operations data and identify congested routes	
	O Suggest implementation of strict speed limits and traffic fines	
	<ul> <li>Correct         Correct! By doing this you would be using data science to reduce traffic congestion and improve transportation efficiency in a city.     </li> </ul>	
2.	Imagine you take a taxi ride where the initial fare is a fixed amount, and the fare increases based on both the distance traveled and the time spent in traffic. Which concept in data analysis does this scenario closely resemble?	1/1 point
	O Unstructured data extraction	
	Regression analysis	
	O Data visualization with R	
	Nearest neighbor algorithm	
	Correct Correct! The scenario of a taxi ride with a fixed base fare and additional charges based on distance and time is analogous to regression analysis, where a constant and relationships between variables are determined.	
3.	You have to pick a file format which meets the following conditions: a) is self-descriptive for internet-based information sharing b) readable by both humans and machines c) Facilitates easy data sharing between different systems. Which file format would you pick?	1/1 point
	Microsoft Excel Open XML Spreadsheet (XLSX)	
	O Delimited text file formats (CSV/TSV)	
	Extensible Markup Language (XML)	
	JavaScript Object Notation (JSON)	
	Correct Correct! XML is a markup language with defined rules for encoding data, making it self-descriptive, readable by both humans and machines, and suitable for data sharing between diverse systems.	