

Udemy BI Analyst 365 Careers

The Business Intelligence Analyst Course 2020

Review the course materials to expand your learning.

You got 3 out of 5 correct on the first attempt.

✓ **What you know** ⓘ

Which of the following is related to the meaning of the term analytics?

Which of the following is not considered a data analytics activity?

Which of the following is considered data science?

✗ **What you should review**

Which of the following is not considered a cause of confusion about the precise meaning of the data science...
Lecture 2 Why Are There So Many Business and Data Science Buzzwords?

Which of the terms relates to the field of business analytics only?
Lecture 4 Intro to Business Analytics, Data Analytics, and Data Science

Review the course materials to expand your learning.

You got 1 out of 2 correct on the first attempt.



































✓ **What you know** ⓘ

Which of the following is not an example of where Machine Learning is being applied today?

✗ **What you should review**

Given that all activities can be done with ML and all can be done without ML, choose the best answer. W...
Lecture 5 Adding Business Intelligence (BI), Machine Learning (ML), and AI to the Picture

365 DataScience

	Data		Data Science			
	TRADITIONAL	BIG	BUSINESS INTELLIGENCE	TRADITIONAL METHODS	MACHINE LEARNING	
WHEN it is applied	At the beginning of your analysis		After the data has been gathered & organized	After BI reports have been created and discussed		
	PAST		NOW	FUTURE		
WHY you need it	data-driven decisions require well-organized and relevant raw data stored in a digital format		use data to create reports and dashboards to gain business insights	Predictive Analytics		
WHAT techniques are involved	DATA COLLECTION PREPROCESSING <ul style="list-style-type: none">class labeling (categorical vs numerical)data cleansingdealing with missing values CASE SPECIFIC <ul style="list-style-type: none">e.g. balancing & shuffling datasets		ANALYZE THE DATA EXTRACT INFO AND PRESENT IT IN THE FORM OF: <ul style="list-style-type: none">metricsKPIsreportsdashboards	REGRESSION  LOGISTIC REGRESSION  CLUSTERING  FACTOR ANALYSIS TIME SERIES 	SUPERVISED LEARNING <ul style="list-style-type: none">SVMsNNsdeep learningrandom forestsbayesian networks UNSUPERVISED LEARNING <ul style="list-style-type: none">k-meansdeep learning REINFORCEMENT LEARNING <p>similar to supervised learning, but instead of minimizing the loss, one maximizes reward</p>	
	WHERE	BASIC CUSTOMER DATA HISTORICAL STOCK PRICE DATA		PRICE OPTIMIZATION INVENTORY MANAGEMENT	USER EXPERIENCE (UX) SALES FORECASTING	FRAUD DETECTION CLIENT RETENTION
		PROGRAMMING LANGUAGES     SOFTWARE  		PROGRAMMING LANGUAGES     SOFTWARE     	PROGRAMMING LANGUAGES    SOFTWARE  	PROGRAMMING LANGUAGES       SOFTWARE   SOFTWARE  
	WHO	DATA ARCHITECT DATABASE ENGINEER DATABASE ADMINISTRATOR		BI ANALYST BI CONSULTANT BI DEVELOPER	DATA SCIENTIST DATA ANALYST	DATA SCIENTIST MACHINE LEARNING ENGINEER
200,000 lines of data is not necessarily big data. It is not just volume that defines a data set as 'big' - variety, variability, velocity, veracity, and other characteristics are determinative as well.		Qualitative analysis tools such as SWOT are not used for quantitative analysis. Hence, they are not part of business intelligence.	Software like Excel, SPSS, and Stata, can be successfully used by data science teams in many companies.	In deep learning, there is still a debate on WHY the algorithms used outperform all conventional methods.		
ARE YOU AWARE						