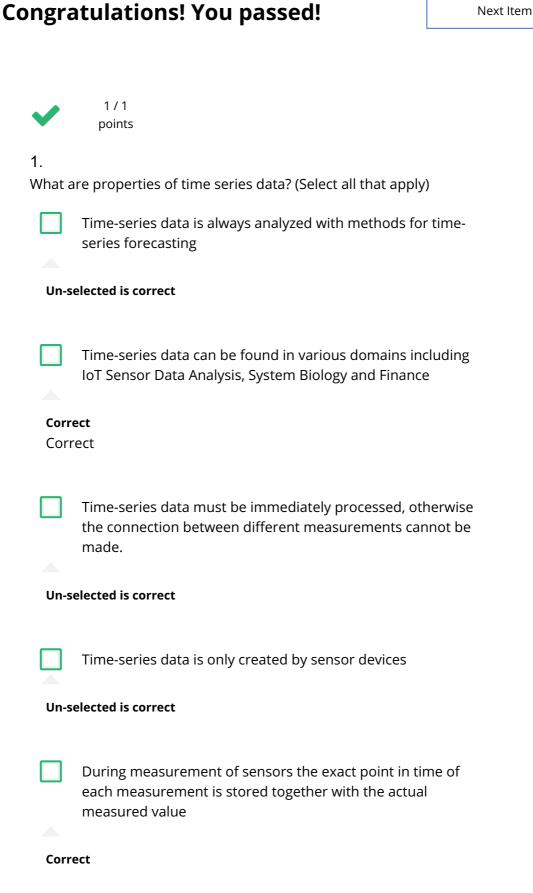
Challenges, terminology, methods and technology

Quiz, 9 questions



	Correct				
Challenges,	terminology, methods and technology In time series data each data point is associated with a time-stamp Correct Correct				
	1/1 points				
	2. What method do you use in case you want to predict the temperature a room in a building will have tomorrow 12 AM based on historic data like temperatures from this and other rooms, outside temperatures and weather forecasts?				
	Correct Correct				
	Exploratory Data Analysis				
	Time Series Anomaly Detection				
	Time Series Classification				
	Stream Computing, On-The-Edge Analytics				



1/1 points

3.

You are monitoring accelerometer sensor data attached to a bearing in a motor to capture vibration patterns. You want to detect previously Challenges, transminuology pamenthods raiged it a changlogy nike a failure. Which method would you use for this?

Quiz, 9 questions

Hint: You have a history of data how the system behaves "normally" and you are comparing actual data against the history in order to find out if you have seen those patterns before.

	Time Series Forecasting
0	Time Series Anomaly Detection
Corr Corr	
	Exploratory Data Analysis
	Time Series Classification
	Stream Computing, On-The-Edge Analytics
distand called '	1/1 points e implementing a system which predicts based on traffic data, te and speed sensors whether it should apply the brakes in a so- 'connected car". What describes best what you are doing? (Select apply)
to a	Stream Computing, On-The-Edge Analytics ect ect, in deciding to break or not one can't afford to send data remote system because of latency. So this decision has to be on the edge

Un-selected is correct

Exploratory Data Analysis

Challenges, Quiz, 9 questions	Time Series Classification terminology, methods and technology correct Correct, you have to classify a situation as dangerous or not based on given data				
	Time Series Forecasting				
	Correct Correct, you are predicting future sensor values from past ones. E.g. the distance to a car running ahead of you based on velocity and traffic situation				
	Time Series Anomaly Detection				
	Correct Correct, you are detecting abnormal situations, e.g. a sudden obstacle or break application (issuing an automatic break/stopping) of a car running ahead of you.				
	0.60 / 1 points				
	5 . What statements are true about IoT data analysis?				
	Currently, there are no reliable solutions for coping with constantly changing schemas from different types of sensors.				
	This should not be selected We are actually teaching those in this course. Please revisit module "Challenges in IoT sensor data analysis and terminology"				
	Currently, there are no reliable solutions for coping with the high data ingestion rates				

This should not be selected

We are actually teaching those in this course. Please revisit module "Challenges in IoT sensor data analysis and terminology"

Challenges,	It is important to store historic data for compare present events with the past to make accurate predictions and detect anomalies, methods and technology				
Quiz, 9 questions	Correct				
	Constantly changing schemas of different sensor types need to be addressed Correct Correct				
	Data storage is not important because we are dealing with real-time sensor data coming in on the fly Un-selected is correct				
	1/1 points 6.				
	Which statements are true about storage of historic data? Historic data can be used to make predictions of future events				
	Correct Correct				
	Historic data can me used to detect anomalies in present data Correct Correct. Historic data can me used to detect anomalies in present data by looking at past behavior				
	Historic data must be stored in order to process real-time data coming from IoT sensors				

Un-selected is correct

Challenges, terminology, methods and technology

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Ųυ	IJΖ,	כ	чu	esu	ons

~	1 / 1 points	
7. What is	s the difference between a vector and a tuple?	
	A vector is allowed to contain scalars of different data types, where as a tuple is not	
0	A tuple is allowed to contain scalars of different data types, where as a vector is not	
Corr Corr		
~	1 / 1 points	
8. What a	are properties of ApacheSpark ? (Select all that apply)	
	ApacheSpark is a large-scale, massive-parallel data processing engine	
Corr Corr		
	ApacheSpark is developed by IBM only	
Un-selected is correct		
	ApacheSpark code can be run seamlessly in parallel without changing the code	

Correct

Correct

Challenges, terminalogy, kmethods and technology ta analysis

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Quiz, 9 questions	Un-s	elected is correct				
		Although Apache ApacheSpark cod parallel once sing	e has to be mod	dified in order t	to run in	e,
	Un-s	elected is correct				
		ApacheSpark is C	penSource			
	Corr Corr					
	9.	1 / 1 points				
	Which	programming lang ApacheSpark?	uages are supp	orted for writir	ıg prograr	ns on
		Scala				
	Corr Corr					
		Go				
	Un-s	elected is correct				
		R				
	Corr Corr					

JavaScript

Challenges, terminology, methods and technology

Quiz, 9 questions

