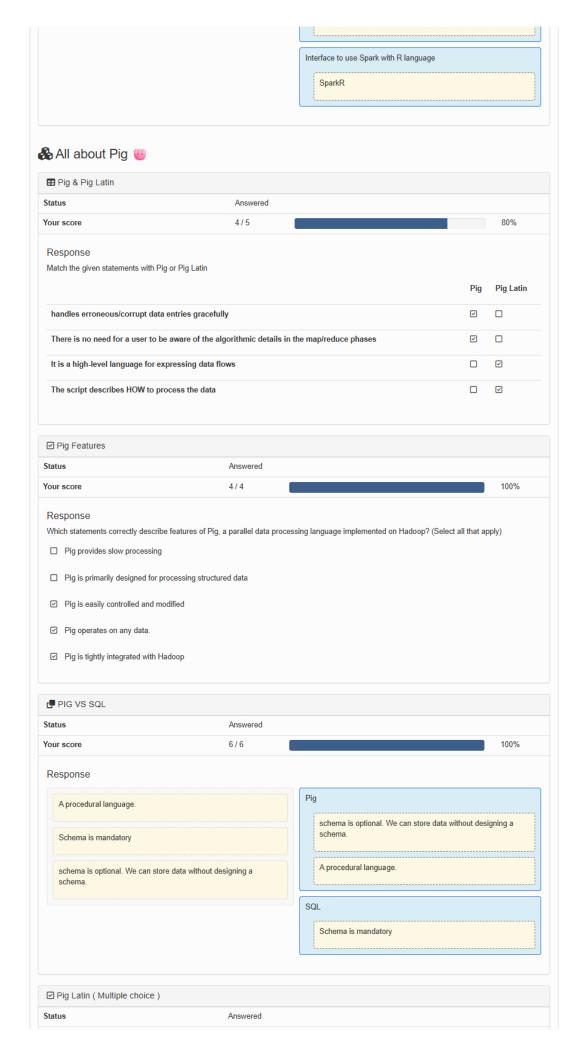


		1/1				
Response Which of the foll	owing statemen	nts is true for Map	-Reduce?			
Unanswered	Right	Wrong				
		0	Map-Reduce re-runs the failed tasks			
			Map tasks are scheduled close to the output when possible			
	✓		A Map-Reduce may specify how its input is to be read			
	\square		MapReduce is a programming model for distributed computing			
☑ MLlib capat	bilities					
Status			Answered			
Your score			0/1	0%		
☐ High-speed	d transactional p	processing				
Status			Answered			
Your score			2/2	100%		
Response Unanswered	Right	Wrong				
	0	✓	Map tasks in Hadoop are always scheduled randomly across nodes.			
	0	✓	SparkR is used to write Spark applications in Python.			
			MLlib cannot handle large-scale data due to memory constraints.			
			Pig Latin scripts are automatically compiled into one or more MapReduce jobs.			
₽ Spark			tatus Answered			
d Spark Status			Answered			
			Answered 4 / 4	100%		
Status Your score	c Components a	ind Features acco	4/4	100%		
Status Your score	: Components a	and Features acco	4 / 4 ordingly: Working with structured data using SQL/DataFrames Spark SQL	100%		
Status Your score	c Components a	ind Features acco	4 / 4 ordingly: Working with structured data using SQL/DataFrames	100%		
Status Your score	: Components a	ind Features acco	4 / 4 ordingly: Working with structured data using SQL/DataFrames Spark SQL Underlying general execution engine Spark Core	100%		



Your score	2/2	100%				
Response Which of the following best describes the motivation behind the development of Pig Latin and the Pig system? (Refer Paper provided in the Lecture Material -> Further Reading -> Pig Latin: A Not-So-Foreign Language for Data Processing)						
(Refer Paper provided in the Lecture Material -> Fu	rther Keading -> Pig La	atin: A Not-So-Foreign Language for Data Processing)				
To bridge the gap between the declarative styl data analysis tasks on large data sets.	e of SQL and the proce	edural style of map-reduce, offering a more user-friendly alternative for				
☐ To provide a high-level, declarative language s database products like Teradata.	similar to SQL for analy.	zing large data sets, avoiding the cost and complexity of parallel				
☐ To provide a debugging environment integrate compared to traditional map-reduce implement		g for more efficient development and execution of data analysis tasks				
To address the limitations of the map-reduce p flexibility of procedural programming.	orogramming model by	offering a language that combines the ease of use of SQL with the				
☐ To introduce a new low-level, procedural progression companies.	ramming language spe	cifically tailored for analyzing terabytes of data collected daily by internet				
Further Reading Apache Mahout -> Link Up;)						
Status	Answered					
Response Which of the following accurately describes Apache Match all the statements. A library for machine learning on distributed data initially targeting MapReduce, now supporting A Apache Flink.	aflow systems,	While Apache Mahout is widely used by leading web companies and is part of several commercial cloud offerings, it is not a platform for cloud computing itself.				
A programming language for data preprocessin training, exclusively designed for linear algebrai		A platform for cloud computing offered by leading web companies, specializing in large-scale machine learning since its inception in 2008.				
A platform for cloud computing offered by leadin specializing in large-scale machine learning since 2008.		Apache Mahout is primarily focused on machine learning tasks and is not specifically designed for data visualization and analysis. A framework primarily used for data visualization and analysis,				
A framework primarily used for data visualization compatible with commercial cloud offerings and machine learning algorithms.		compatible with commercial cloud offerings and pioneering machine learning algorithms.				
A tool for managing distributed databases and s integration processes, widely utilized by industry recommendation algorithms.		Apache Mahout is not a programming language but rather a library/framework that provides implementations of machine learning algorithms.				
		A programming language for data preprocessing and model training, exclusively designed for linear algebraic computations.				
		Apache Mahout is not a tool for managing distributed databases or streamlining data integration processes; its main purpose is to provide machine learning algorithms for distributed data processing. A tool for managing distributed databases and streamlining data integration processes, widely utilized by industry professionals for recommendation algorithms.				
		Correct answer				

A library for machine learning on distributed dataflow systems,

				initially targeting MapReduce, and Apache Flink.	now supporting Apacife Spain
SparkSQL	*				
Status			Answered		
our score			2/2		100%
val df = sqlCont df.show() df.select("name df.groupBy("age Which sequenc The comn the data b	ext.read.json ").show() ").count().sh e of operation nands initializ y age and co	ns correctly describe e an SQL context, runt the occurrences e a Spark session, I	es the functionality of the properties and data from a JSON file of each age.	rovided Apache Spark SQL command into a DataFrame, display all columns and then group the data by age and columns and a DataFrame, display all columns at a DataFrame display all columns.	s of the DataFrame, and then group
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the data b The comm group the MapReductatus Tour score Response Based on the deanswer the follo Unanswered	e Research etailed conterwing: Right	an SQL context, rea and count the occur of the paper "Map Wrong	Answered 0 / 2 Reduce: an infrastructur Data locality is ignored in	to a DataFrame, display the "name" of the control o	olumn of the DataFrame, and then 0% Maleki, Rahmani, and Conti, please
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Test execution

Load balancingFault toleranceNetwork latencyJob scheduling

Which of the following are considered key challenges in Hadoop MapReduce infrastructure?

① Availability: Expired at 5/22/2025, 4:00 PM							
🖰 Max. attempts: Unlimited							
Results of this test are visible to administrators and tutors of this course.							
	Start test						
▶ Change log							

^ Go to top

Logged in as *Ravi Himmatbhai Ramani* (1408 People are online)

② № ⑤

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