•	Congratulations! You passed! Marhine Learning Operations (MLOps) and pipelines her Machine Learning Pipelines with Amazon SageMaker Lecture Notes (Optional)	Week 3 quiz Practice Quiz • 20 min	Go to next item
ı	Practice	Review Learning Objectives	
1. Mac hinaetlea Quitzg Weiple લેંગ લક્ષ્ટ are created as a way to iterate over the ML workflow quickly with less handoffs and reduced manual efforts. This is done by automating the tasks and orchestrating the sequence of task execution. What is the ongoing લેંગ માને કર્મા કરમા કરમા કર્મા કરમા કર્મા કરમા કર્મા કર્મા કર્મા કર્મા કર્મા કરમા કર્મા કરમા કર્મા કરમા કરમા કરમા કરમા કરમા કરમા કરમા કર			cution. What is the on- 1/1 point
Graded App Item: SageMaker pipelines to train a BERT-Based text Model Monitoring Tasks Submit your assignment			
	O Data Tasks	• Submit your assignment	Try again
	Course Resources Model Building Tasks Acknowledgements		
	Model Deployment Tasks	Receive grade	Your grade View Feedback 92.86%
Correct Correct! The model monitoring tasks are the on-going set of tasks performed after the model is deployed by the pipeline.		To Pass 80% or higher erformed after the model is deployed by the pipeline	We keep your highest score
	🖒 Like 🖓 Dislike 📙 Report an issue		
2.	2. One keypoint in building an effective pipeline is establishing traceability of artifacts. Which of the following is/are reasons why traceability is important. (choose all that apply)		
	✓ Traceability ensures easy recovery of any resource or artifact.		
	Correct! Every step in the pipeline is recorded and detailed logging information is available for traceability. Hence, recovery of resources and artifacts are easy.		
	✓ Traceability provides better visibility and support.		
	 ✓ Correct Correct! With traceability you have a managed view into how the pipeline artifacts were created. 		
	☐ Traceability slows down model deployment.		
	☐ Traceability allows you to manage end-to-end automation of the pipeline.		
3. Data lakes are enterprise storage solutions which can host virtually any amount of data files. What are some reason(s) for the establishment of a governed data lake recommended in the ML pipeline? (Select all that apply) 0.75 / 1 point			
Decreases the wait time to begin model development			
	Correct Correct! Data Scientists don't have to wait for dataset collection, long approvals, security clearance etc. They can just go straight to feature engineering and model building.		
	☐ Improves retraining workflows		
	Ensures traceability for the data		
	 ✓ Correct Correct! There is improved traceability when using a data lake as we can directly track the data used by practitioners for their data science projects. 		
	☐ Decreases model training time by 50%		
	You didn't select all the correct answers		
	Tod didire select all the correct answers		
4.	1/1 points		
	TrueFalse		
	 ✓ Correct Correct! Versioning inputs and outputs of each step in the workflow ensures traceability. Some types of versioning include data, code, and runtime versioning. 		
5. In the data tasks, several validation tasks can be incorporated into the machine learning pipeline and automated to improve quality. What are some of these validation tasks? (Choose all that apply) 0.75 / 1 point			
5. In the data tasks, several validation tasks can be incorporated into the machine learning pipeline and automated to improve quality. What are some of these validation tasks? (Choose all that apply) Data quality checks			
□ Data quality checks □ Data schema			
	 ✓ Correct Correct! This automated check ensures that the data structure and schema that's coming from the input is what's expected. 		
 ☐ Hyper-parameter Tuning ✓ Detection of statistical data bias 			
Detection of statistical data bias Correct			
Correct! Automated checks to detect statistical data bias can be included as a step within the pipeline.			
You didn't select all the correct answers			
6. The Model Registry is a central store to manage model metadata and model artifacts. What other information can be retrieved from the model registry? (choose all that apply)			
Includes a collection of built-in CI/CD templates for popular pipelines			I / I point
 ✓ Which model versions may or may not be deployed in production. 			
✓ Correct			
	Correct! It provides information about the model version that was deployed - as well as the environment the model was deployed into.		
	✓ Provides traceability and auditability		
	 ✓ Correct Correct! In the model registry you can easily view information about model lineage and traceability. 		
	Steps to build, train, and deploy a models in Amazon SageMaker Pipelines		