Progress

Course outline

course work?

Course

platform

your apps

Cloud right?

(continued)

with it

Introduction

ML and GCP

[With Lab]

[With Labs]

Recap Quiz

Summary

Introduction to ML

Stuff?

How does an NPTEL online

Week 0: Welcome to the

Week 1: What's the cloud anyway? Start with a solid

Week 2: Use GCP to build

Week 3: Where do I store this

Week 4: There's an API for that! You can't secure the

Week 5: It helps to Network

Week 6: It helps to Network

Week 7: Let Google keep an eye on things. You have the data, but what are you doing

Let machines do the work

Building Bespoke ML models

Googles Pre-trained ML APIs

Cloud AutoML [With Lab]

O Quiz: Assignment 8

Feedback Form

Download Videos

Google Cloud Computing

Foundations Course: Week 8

Feedback:

False

Accepted Answers:

video formats, including MOV, MPEG4, MP4, and AVI

The answer is False. The Cloud Video Intelligence API is similar to the Vision API, where it can perform a

Intelligence API can provide this same feedback on video. The API supports the annotation of common

variety of actions including logo detection, facial recognition, text discovery, except the Cloud Video

NPTEL » Google Cloud Computing Foundations Course

Unit 10 - Let machines do the work

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.	Due o
Which of the following statements most accurately describes machine learning?	
Machine learning is a way to generate data needed for analytics.	
Machine learning is a way to derive predictive insights from data	
Machine learning uses algorithms that are applicable to a focussed group of datasets	
Machine learning has to do with the theory and methods to build machines that think and act I	ike humans
No, the answer is incorrect. Score: 0	
Feedback: Machine learning is a way to derive 'predictive' insights from data. You do this using algorithms that relatively general and applicable to a wide variety of datasets	are
Accepted Answers: Machine learning is a way to derive predictive insights from data	
2) Which statement best describes TensorFlow?	
O Spark ML at scale	
O Scikit-learn at scale	
An open source language to build machine learning models	
A proprietary language for building machine learning models	
No, the answer is incorrect.	
Score: 0 Feedback:	
TensorFlow was developed by Google and has become the leading open-source tool for building M	L
models	
Accepted Answers: An open source language to build machine learning models	
 True or False. Machine learning uses standard algorithms because it allows you to use the same odels 	e code on different dataset
○ True	
O False	
No, the answer is incorrect. Score: 0	
Feedback:	ludia -
The answer is True. ML allows for the use of standard algorithms for generating different models inc classification, and linear regression models. The same code can be used on different datasets prom code reuse	
Accepted Answers:	
True	
4) Which option would you select if you want to write your own model leveraging Tensorflow in a r	nanaged environment?
O Al Platform	
Cloud AutoML	
OCloud Dataproc	
Google Machine Learning APIs	
No, the answer is incorrect.	
Score: 0 Feedback:	
Al platform is a service that can manage resources for the ML models you build using TensorFlow Accepted Answers: Al Platform	
5) Which of the following statements best describes Cloud AutoML?	
Which of the following statements best describes Cloud AutoML? Enables users with no ML expertise to deploy models specific to their business needs	

e date for submitting this assignment has passed. Due on 2020-04-22, 23:59 IST.		
As per our records you have not submitted this assignment. 1) Which of the following statements most accurately describes machine learning?	1 poin	nt
Machine learning is a way to generate data needed for analytics.	r pont	
Machine learning is a way to derive predictive insights from data Machine learning uses algorithms that are applicable to a focussed group of datasets		
O Machine learning has to do with the theory and methods to build machines that think and act like humans No, the answer is incorrect.		
Score: 0 Feedback: Machine learning is a way to derive 'predictive' insights from data. You do this using algorithms that are		
relatively general and applicable to a wide variety of datasets Accepted Answers:		
Machine learning is a way to derive predictive insights from data	4	
Which statement best describes TensorFlow? Spark ML at scale	1 poin	ľ
Scikit-learn at scale An open source language to build machine learning models		
O A proprietary language for building machine learning models No, the answer is incorrect.		
Score: 0 Feedback:		
TensorFlow was developed by Google and has become the leading open-source tool for building ML models Accepted Answers:		
An open source language to build machine learning models		
 True or False. Machine learning uses standard algorithms because it allows you to use the same code on different odels 	datasets to generate different 1 poin	t
○ True ○ False		
No, the answer is incorrect. Score: 0		
Feedback: The answer is True. ML allows for the use of standard algorithms for generating different models including		
classification, and linear regression models. The same code can be used on different datasets promoting code reuse		
Accepted Answers: True		
4) Which option would you select if you want to write your own model leveraging Tensorflow in a managed environment.	ent? 1 poin	it
O Al Platform O Cloud AutoML		
Cloud Dataproc Google Machine Learning APIs		
No, the answer is incorrect. Score: 0 Feedback:		
Al platform is a service that can manage resources for the ML models you build using TensorFlow Accepted Answers:		
Al Platform		
Which of the following statements best describes Cloud AutoML? Enables users with no ML expertise to deploy models specific to their business needs	1 poin	it
Enables users with limited ML expertise to train models specific to their business needs Enables users with extensive ML expertise to train models specific to their business needs		
Enables users with limited ML expertise to deploy pre-trained models specific to their business needs		
No, the answer is incorrect. Score: 0 Feedback:		
Cloud AutoML is a suite of machine learning products that enables developers with limited machine learning expertise to train high-quality models specific to their business needs. It relies on Google's state-of-the-art transfer learning and neural architecture search technology. Cloud AutoML helps customers with		
limited ML experience to build models based on their data Accepted Answers:		
Enables users with limited ML expertise to train models specific to their business needs		
6) Facial detection and facial recognition are the key capabilities of the Cloud Vision API used to detect what an imag True	e is and classify it. 1 poin	it
O False No, the answer is incorrect.		
Score: 0 Feedback:		
The answer is False. While facial detection can detect when a face appears in photos, facial recognition isn't supported and Google doesn't store facial detection information on any Google server Accepted Answers:		
False		
7) There are two APIs that apply to speech. If you need to create a lifelike interaction with users to support a custome to the second APIs and the second APIs are the second APIs and the second APIs are th	er service application, which of the 1 poin	t
Speech APIs would you use? Cloud Speech-to-Text		
O Cloud Text-to-Speech No, the answer is incorrect.		
Score: 0 Feedback:		
With the Cloud Text-to-Speech API, you can create lifelike interactions with users that transform customer service, device interaction, and other applications Accepted Answers:		
Cloud Text-to-Speech		
The Cloud Translation API supports language detection in cases where the source language is unknown True	1 poin	ıt
○ False		
No, the answer is incorrect. Score: 0 Feedback:		
The answer is True. The Cloud Translation API can dynamically translate text between thousands of language pairs. The Cloud Translation API lets websites and programs to programmatically integrate with		
the translation service The Cloud Translation API supports language detection even in cases where the source language is unknown Accepted Answers:		
True		
9) You have a requirement to identify parts of speech from unstructured text. Which of the following machine learning urpose?	APIs should you use for this 1 poin	rt
Cloud Natural Language API Cloud Speech-to-Text API		
Cloud Text-to-Speech API		
O Cloud Translation API No, the answer is incorrect. Score: 0		
Feedback: he Cloud Natural Language API can do syntax analysis, breaking down sentences into tokens, identify		
nouns, verbs, adjectives, and other parts of speech, and figuring out the relationships among the words Accepted Answers:		
Cloud Natural Language API The Cloud Video Intelligence API only supports the annotation of MPEG4, MP4, and AVI video formats	1 poin	n#
True	r poin	
No, the answer is incorrect. Score: 0		