Al & Machine Learning Lesson 9 Saving/Evaluating Models in Al Lab & Writing Apps

Warm Up



Writing Prompt:

People often post information about themselves on social media like:

- . Their name and age
- . The school they go to
- . Where they live
- . Movies they like
- . Restaurants they've been to
- . Their birthday

If all of this data was collected, what is one thing you think a machine learning model could try and predict from this data?



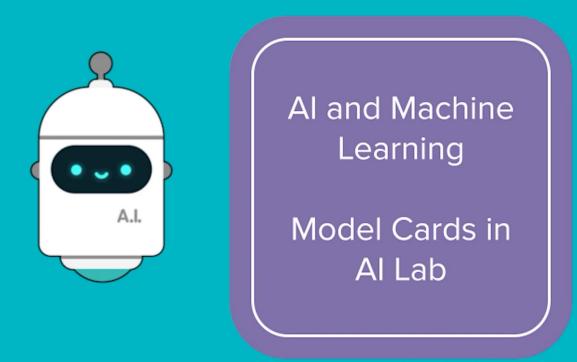
Rhetorical Question of the Day

How can I use Model Cards to document my decisions when training a machine learning model?

Activity • • O









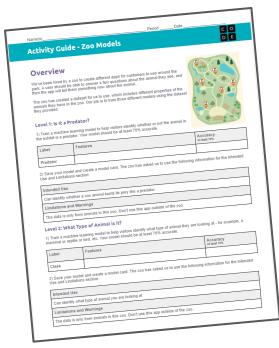


Code.org

Log into Code.org

Navigate to Code.org Lesson 9 Level 1





Zoo Models

You should have: Zoo Models Activity Guide (on Schoology) Code.org Open







Overview

We've been hired by a zoo to create different apps for customers to use around the park.

A user should be able to answer a few questions about the animal they see, and then the app will tell them something new about the animal

Activity Gui	de - Zoo Models		
The zoo has create animals they have in they provided.	a put to create different apps for customers to use around in able to answer a free questions about the animal they see them something new about the air put to the put to the put a dataset for so to say, which includes different properties to the 200. Our job is to trans three different models using the Predator? Predator? It is terming model to help visitors identify whether or not the air datasets visit or model to help visitors identify whether or not the air datasets visit models to the late of 7% accurate.	of the dataset	
Train a machine the exhibit is a pre-	learning model to help visitors identify whether or the black dator. Your model should be at least 70% accurate.	Acc	uracy set 70%
Label	Features	ALW	35.77
Label	del and create a model card. The zoo has asked us to use those section:		tive for the Intended
Intended Use	shether a zoo animal hunts its prey like a predator		
The data is o	inly from animals in this 200. Don't use the state of animal is it?	imal they are look	ing at - for example, a
Level 2: W	ichine learning model to help visitors identify what type or un- principle or bird, etc. Your model should be at least 70% accura-	te.	
mammal or i	eptile or bird, etc. Your moder and		Accuracy at least 70%
Label	Features		
Class	ur model and create a model card. The zoo has asked us to midalions section:	use the following	information for the Intended
Use and L	ur model and mitations section:		
Intender	I Use Nify what type of animal you are looking at		

Do This

Complete the first three levels of Code.org

You will train and save 3 models using the Zoo dataset

You will also record information in each level on the activity guide



Code.org Level 4

Choose one of your models to import into Code.org and begin designing your app.

You may not have time to create a fullydesigned app, but you will have time in the next lesson to work in App Lab

Wrap Up



Writing Prompt

Why is a model card useful when creating a model in Al Lab?

How is a model card useful when creating an app in App Lab?



Question of the Day

How can I use Model Cards to document my decisions when training a machine learning model?