AI & Machine Learning
Lesson 7
Importing Models in App Lab

Warm Up

A class is interested in making a book recommendation app for new students.

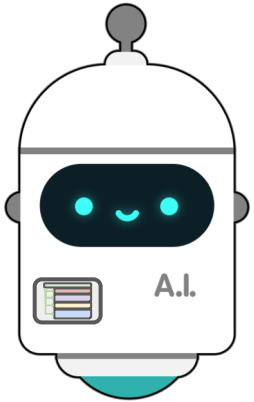
The app will ask several questions and, based on the responses, will recommend a book that other people in the class have read.

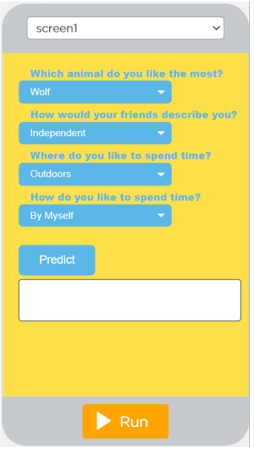
Writing Prompt:

What is a question you think they should ask to help recommend a book?

Data → **Model** → **App**

weather	shoe					
	cowboy boots	crocs	dress shoes	sandals	tennis shoes	work boots
rainy	18	8	17	8	11	25
snowy	5	5	21	0	0	55
sunny	16	16	15	41	74	6
windy	15	19	24	23	67	11





Rhetorical Question of the Day

How can I create an app using machine learning?

Activity

Code.org

Log into Code.org

Navigate to Code.org
Lesson 7 Level 1 -
Book Recommender App

Writing Prompt

What design elements did you see in this app?

Discuss

What coding commands would you expect to see in this app?

Writing Prompt

The app is missing two questions from the survey:

- What type of sandwich is your favorite?
- What kind of day do you like?

Why do you think those questions didn’t make it into the model?

Writing Prompt

The class considered asking about gender on the survey to help recommend a book, but decided against it

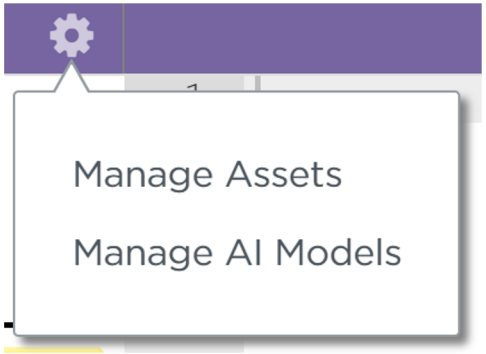
Do you think there is any harm in including a question about gender in the survey? Why or why not?

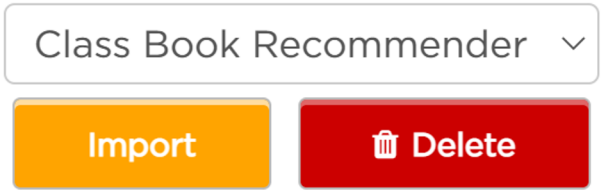
Code.org

Log into Code.org

Navigate to Code.org
Lesson 7 Level 2 -
Import a Model

Code.org, Level 3 Importing Your Model





Do This

- Use the gear to import your model into App Lab.
- Select "Class Book Recommender" from the list
- Press the "Run" button and test the app to verify that it works.

Writing Prompt

- Can you identify the line where the button press happens?
- Can you identify where all of our data is collected into a variable?
- Can you identify the line where our prediction happens?

Do This

Continue working through levels 3-6 in Code.org. Throughout these levels, you will:

- Add a theme to your app
- Add a Welcome Screen to your app

Choice Levels
(complete any three)

a

Customize Your App

Change the font, color, border, and other properties of your app

b

Add an Image

Add an Image to your Welcome Screen

c

Add A Sound

Add sounds to your app when the user clicks your buttons!

d

Open a Webpage

Add a button that lets users visit a library website so they can check out a book

e

Read Home Screen Out-Loud

Use the playSpeech() block to read text out loud

Wrap Up

Writing Prompt:

1) What was a moment from today where you felt successful?

2) What is a question or point of confusion you still have from today?

Question of the Day, Revisited

How can I create an app using machine learning?