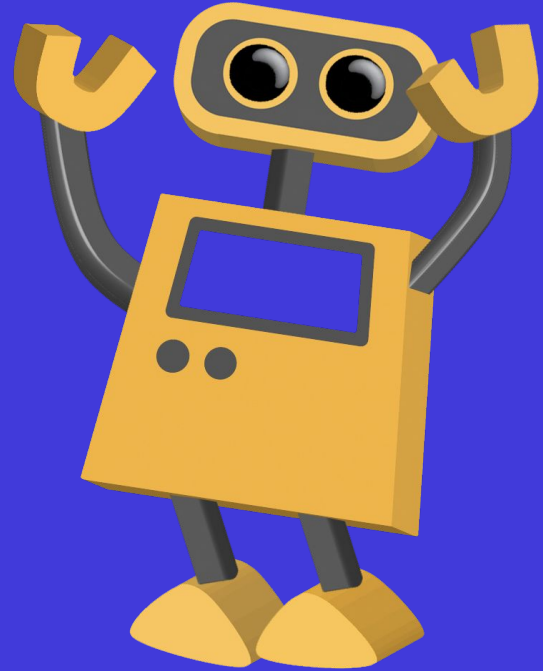


LESSON 3

Using machine learning for Social Good



Recap: Lesson 2 Spot the Shark

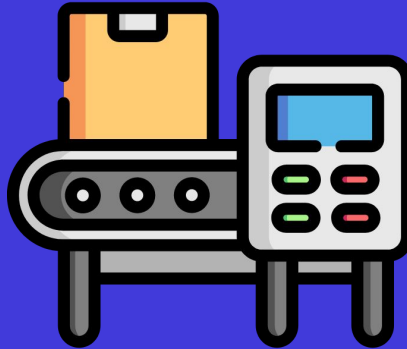
1

Input Data



2

Model



3

Prediction

Shark

Dolphin

Could we use this for more animals?

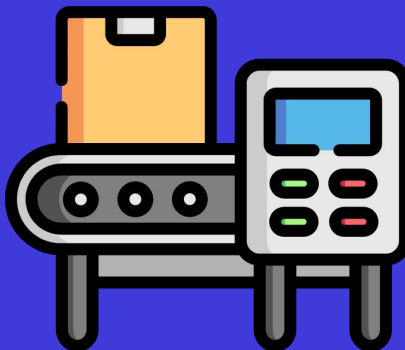
1

Input Data



2

Model



3

Prediction

Which
Animal?

Wildlife insights – Watch Video



Watch Video: <https://www.youtube.com/watch?v=qKgRbkCkRFY>

Wildlife insights – Discussion

- Input data?
- Model?
- Prediction?

Inventing your own model for social good

- **Groups 4-5 students**

What does your machine learning model do?


- Environment - Predict deforestation?
- Healthcare - Predict if a hospital patient has fallen?

- **Input data**

What data does your model need?

- Images, audio sounds, text messages?

- **Present idea to class**

TryAI: Inventing a Machine Learning model for Social Good 

GROUP NAME: Eye in the Sky

GROUP MEMBERS: ...

INPUT DATA
What kind of input data will your machine learning model need? Images, sounds, text?


- Satellite images of trees
- iPhone images of trees

MACHINE LEARNING MODEL
Provide a short description of your machine learning model? What does it do?

Image classification model to detect deforestation in the Rainforest

PREDICTION
What prediction does your machine learning model make?

Model predicts if an image contains trees or no trees

Image


 →

Model
"Are there trees in this image"

 →

Prediction
Trees = True !