

# Announcements

HW1

- Gradescope, online
- Due Wed 2/16

An abstract graphic on the left side of the slide, featuring a sphere-like shape composed of a dense grid of intersecting red, green, and blue lines. The lines are curved and follow the contours of the sphere, creating a complex, woven pattern. The sphere is set against a dark gray background.

Demystifying AI

Agent Design

Instructor: Pat Virtue

wifi

# Jetbot Agent

Sensors: camera

Actuators: motor/wheels (x2), LED display

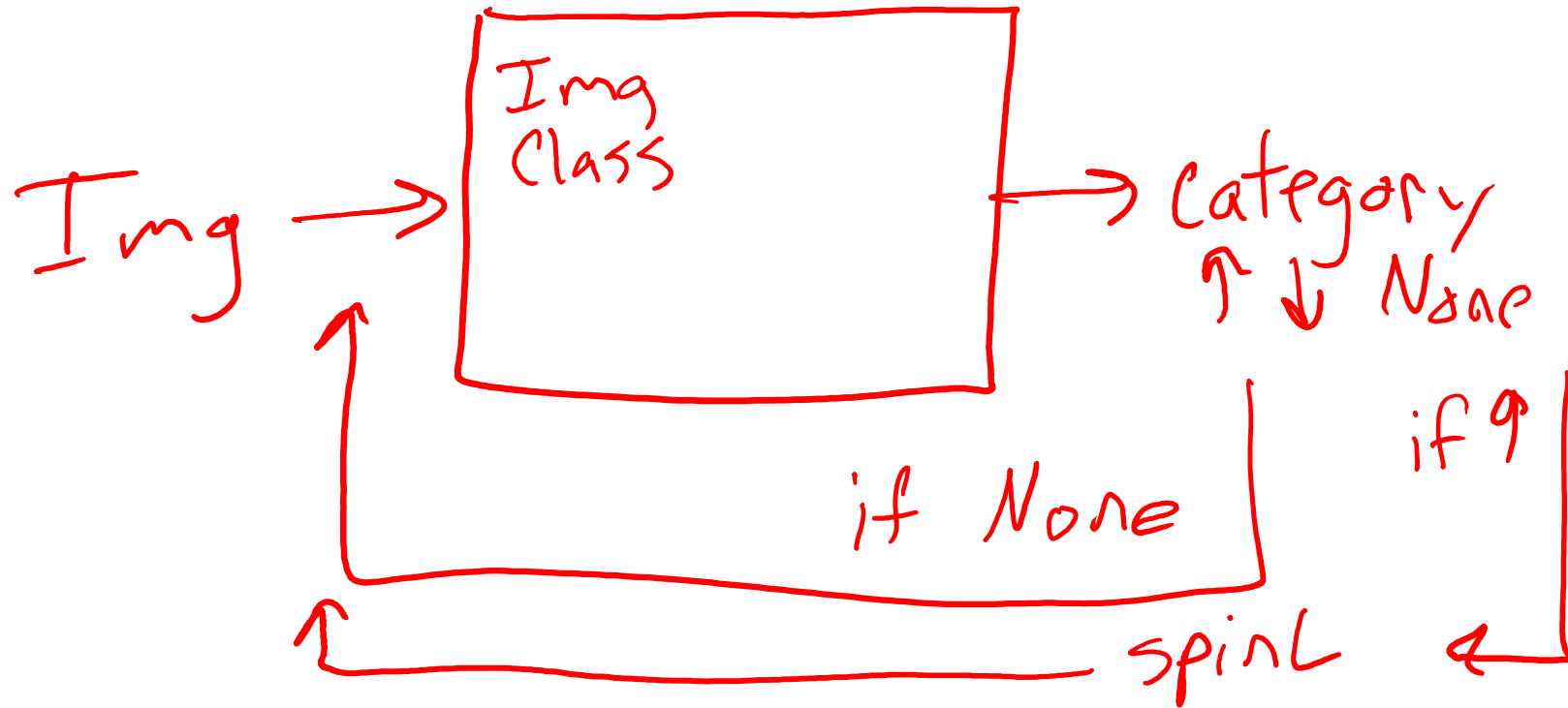
Task: spin (360) CW, CCW from human  
thumbs up, thumbs down

Perf measure: 1 correct (360) 0 for incorrect

Input: Image

Output: motor speed (x2) ; <sup>spin</sup> L or R + time

# Jetbot Agent



Input : Image

Output : motor speed (x2) ; <sup>spin</sup> L or R + time

# Wordle Agent

<https://www.powerlanguage.co.uk/wordle/>



# AI in the News



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News:

<https://gadgets.ndtv.com/social-networking/news/flemish-scrollers-ai-ml-bot-tool-software-belgium-politicians-distracted-phone-detect-troll-twitter-2480493>

Source: Twitter @Flemish Scroller

## AI-Based Bot Detects Politicians Distracted by Phone, Posts Photo on Twitter and Asks Them to Focus

The software searches for phones and then look for distracted politicians during livestreams of parliamentary sessions.

By Edited by Gadgets 360 Newsdesk | Updated: 6 July 2021 16:34 IST

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🐦 Tweet

📷 Snapchat

in Share

👤 Reddit

✉ Email

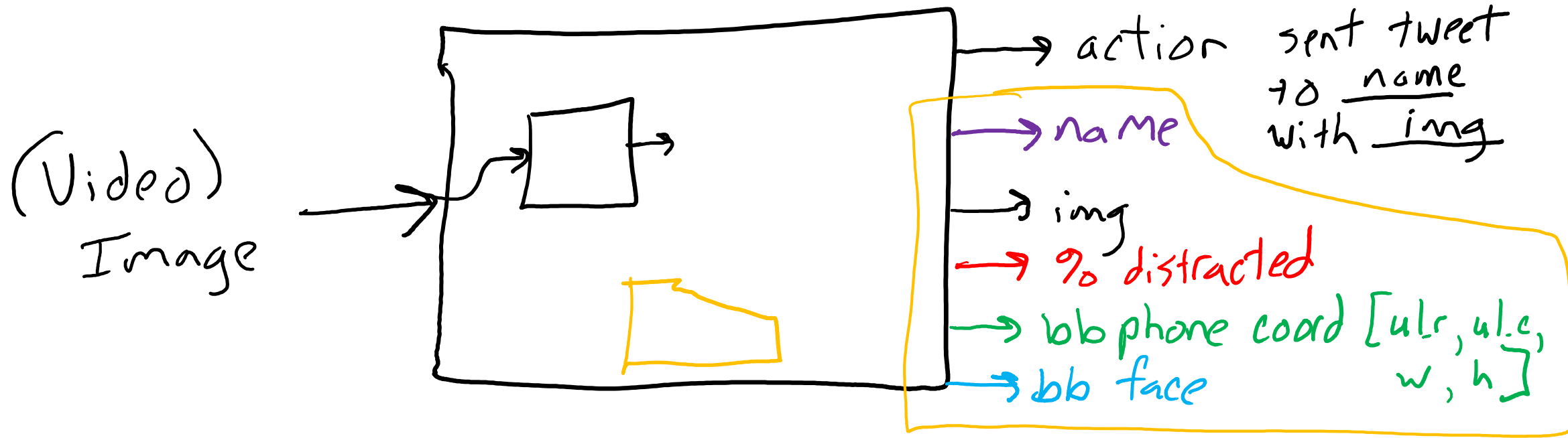
💬 Comment



# Input/Output

## Distracted Politician Detection

What is the input and output for this task?



# Input/Output

## Distracted Politician Detection

What is the performance measure?





# Input/Output

## Distracted Politician Detection

What data do we need?



# Input/Output

## Distracted Politician Detection

### What can go wrong



# Reminder: Machine Learning

Using (training) data to learn a model that we'll later use for prediction

