

Project:

Object detect image recognition:

Source code:

<https://core-electronics.com.au/guides/object-identify-raspberry-pi/>

- Fix the library to detect only pets, tables, bowls, chairs, pet home, and bed
- Delete other stuff in the library

Implementation:

- Find a source code that can detect pet and recognize pet
- Function

Detect pet eating:

1. Detect the pet entering the frame
2. After it detects the pet in the frame, it starts counting the time it appears in the frame.
3. If the pet is in the frame for more than 30 seconds, then record the data.
4. Record the time that the pet enters the frame
5. Put the record into a report (one per day)

Detect pet mostly stay:

1. Detect the pet stay with stuff such as tables, bowls, chairs, pet home, and bed in the library the most.
2. Record into a report
3. One report per day

- Goal:

1. Implement the function needed into the source code
2. The camera can be the computer's itself
3. Make code efficiently
4. A code for the report system
 - a. Basic format(only need the time that the pet is in the frame)
 - b. Record where the pet stays most