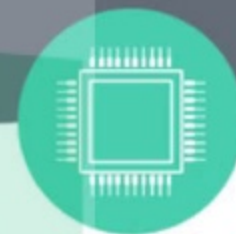




Object Categorization



Dr. Ehab Essa

Computer Science Department, Mansoura University, Egypt

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Recognition Tasks

- **Image Classification/Object Categorization**
 - Classifying the image by assigning it to the correct category label.
 - Recognize any instances of that category.

 Vizle

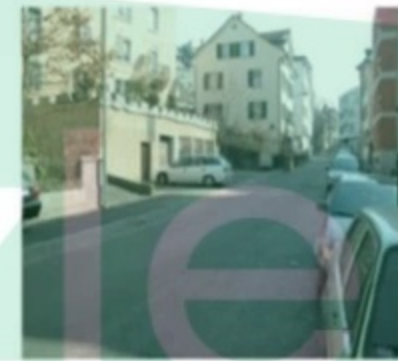
Identification vs. Categorization

Find *this particular* object



John's car

Recognize ANY car



Object Categorization – Potential Applications

There is a wide range of applications, including...



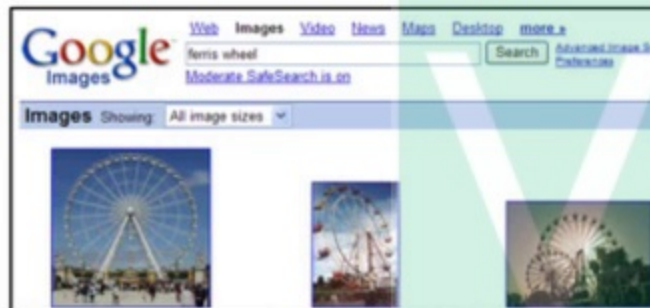
Autonomous robots



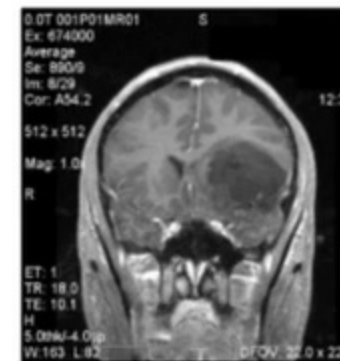
Navigation, driver safety



Consumer electronics



Content-based retrieval and analysis for images and videos



Medical image analysis

How many object categories are there?

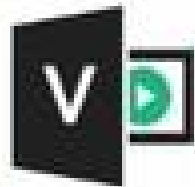


Source: Fei-Fei Li, Rob Fergus, Antonio Torralba.

Biederman 1987



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