robohow

- Which actions and which objects are part of a task?
- In which sequence do they need to be performed?

- Which hidden infor-mation is needed for an action?
- Which tool shall I use to flip the pancake?

- What are the functional parts of an object?
- Which part needs to be controlled as end effector?

wikihow.com

Importer for natural-language instructions

Probabilistic Action Core (PRAC)

Analyzing object models by their functional parts

Tracking human manipulation activities

Semantic annotation of tracked motions

Knowledge-based representation and visualization

HumanEvaRep

Learning motion constraints from observations

Plan-based robot executive

- How did the hand and the objects move?
- Which contact events did occur?

- Which segments is an action composed of?
- What are the resp. trajectories?

- How does flipping a pancake with a spatula look like?
- Which examples of flipping actions do we know of?

- Which motion phases do exist?
- Which constrations between which object parts are active during them?