What is computer vision?

What a person sees
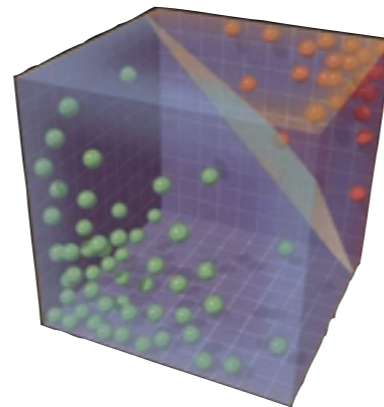
What a computer sees

Why are we able to interpret this image?

The goal of computer vision is
to give computers
(super) human-level perception

typical perception pipeline

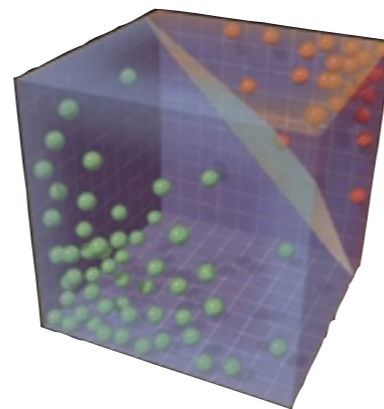**representation**

'fancy math'

output

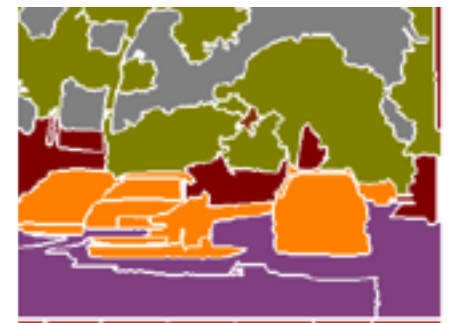# typical perception pipeline

representation

what should we look at?
(image features)

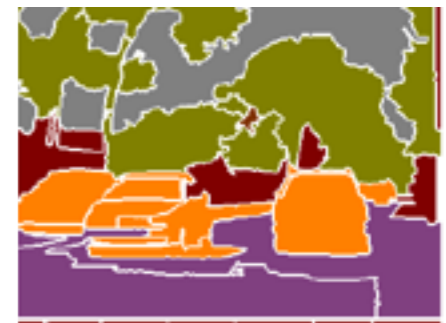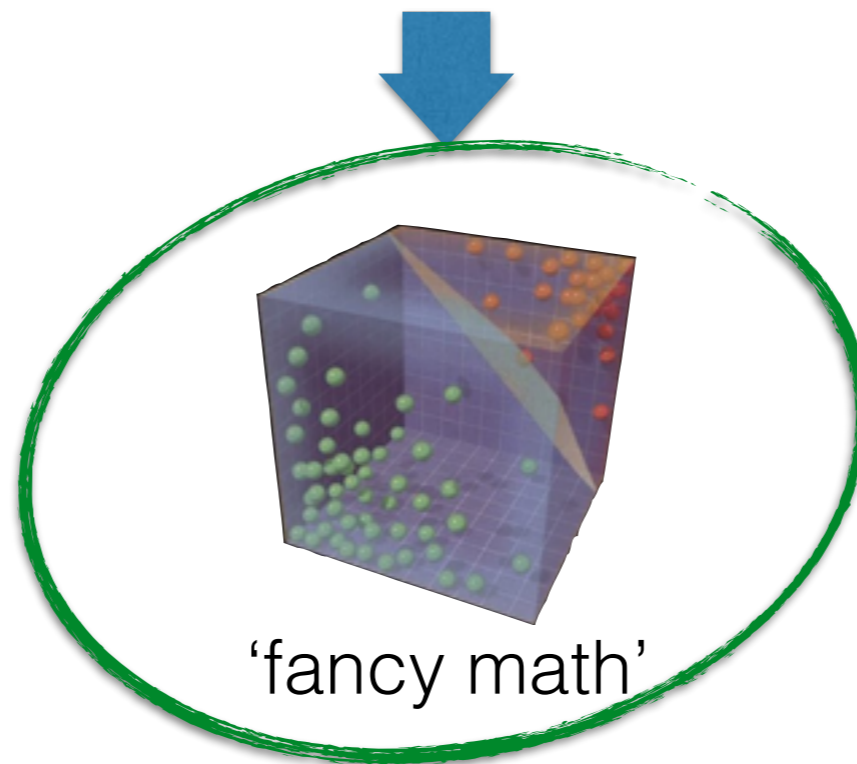'fancy math'

output

what can we understand?
(semantic segmentation)

typical perception pipeline

representation

what should we look at?
(image features)

easy to get lost in the techniques

'fancy math'

output

what can we understand?
(semantic segmentation)

typical perception pipeline

representation

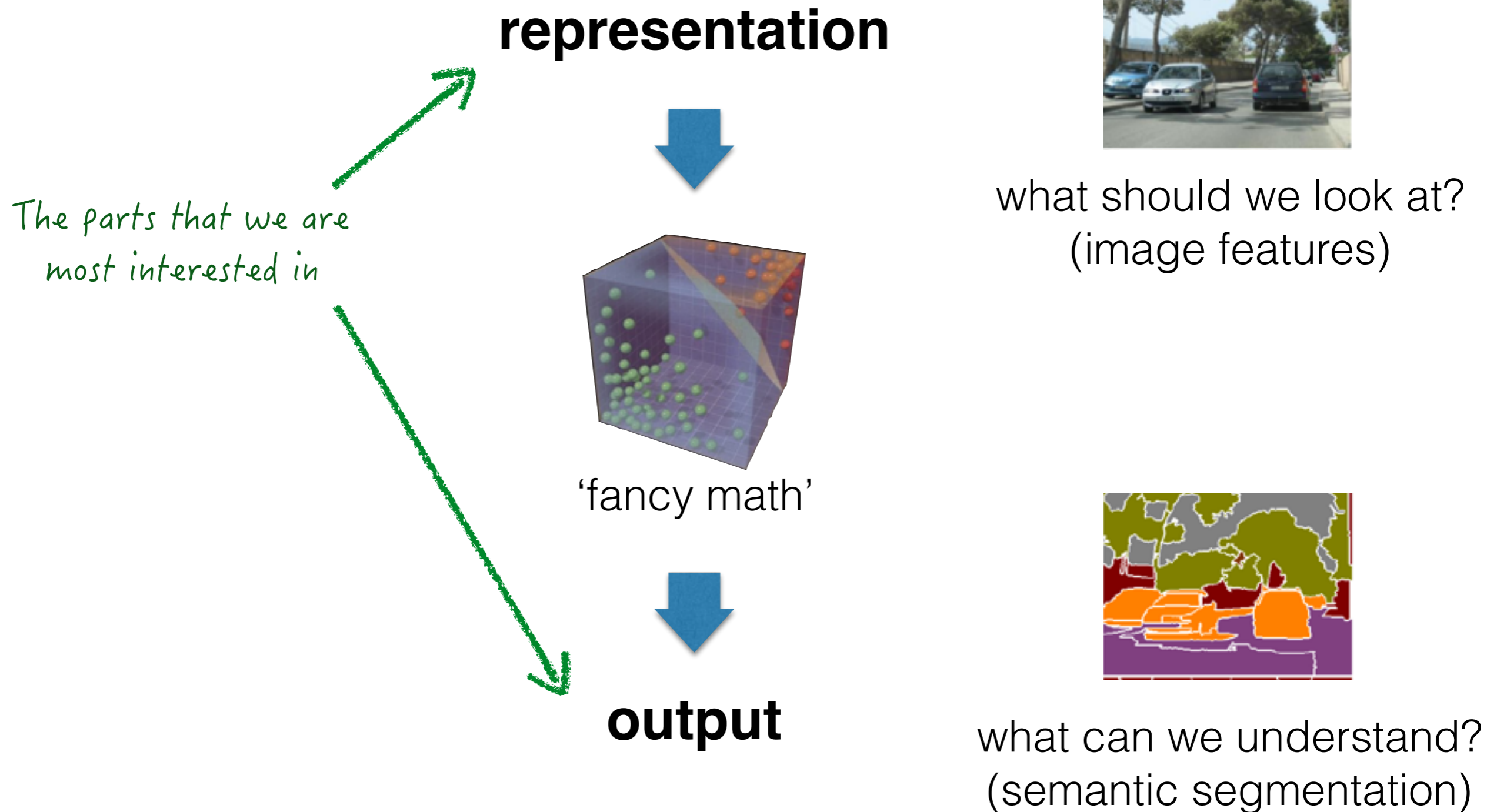

what should we look at?
(image features)

The parts that we are most interested in

‘fancy math’

output

what can we understand?
(semantic segmentation)

Important note:

In general, computer vision does not work

Important note:

In general, computer vision does not work

(except in certain situations/conditions)