

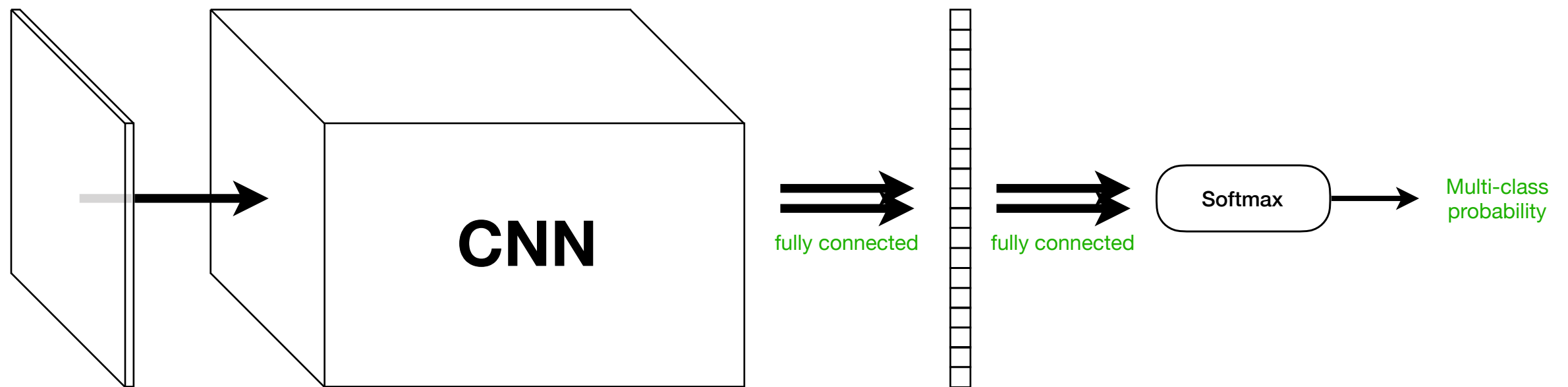
CNNs for Detection

Computer Vision

Carnegie Mellon University (Kris Kitani)

Detection: Predicting the bounding box and label of each object from target classes in the test image.

Image Classification with CNNs



- Image size is fixed
- Assumes one object in the image
- Don't know where it is located in the image

Classification networks can't **detect** objects, right?

*How can we classify and **localize** objects
in an image using a CNN?*