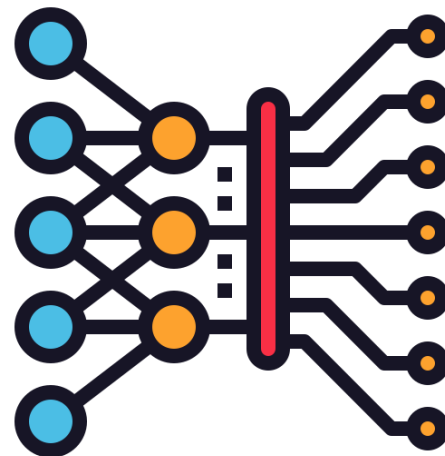


Introdução às Redes de Detecção

Prof. Dr. Diego Bruno

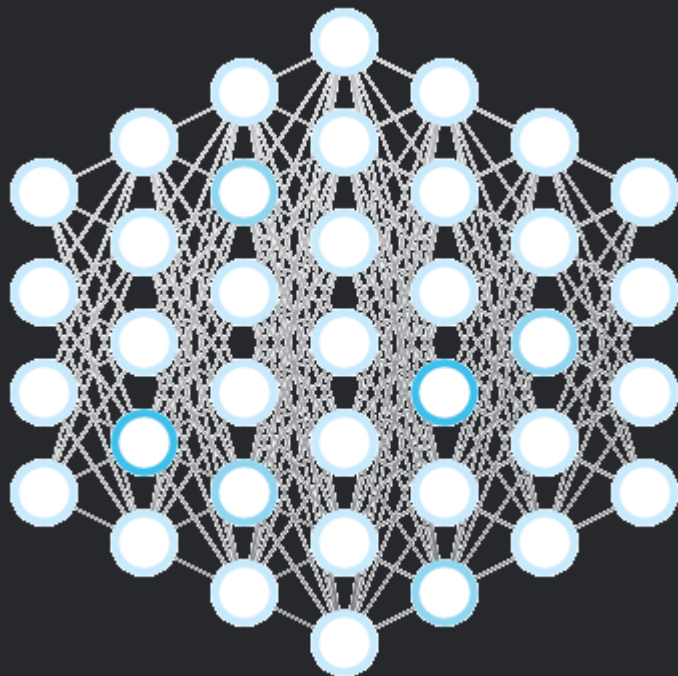
Education Tech Lead na DIO

Doutor em Robótica e *Machine Learning* pelo ICMC-USP



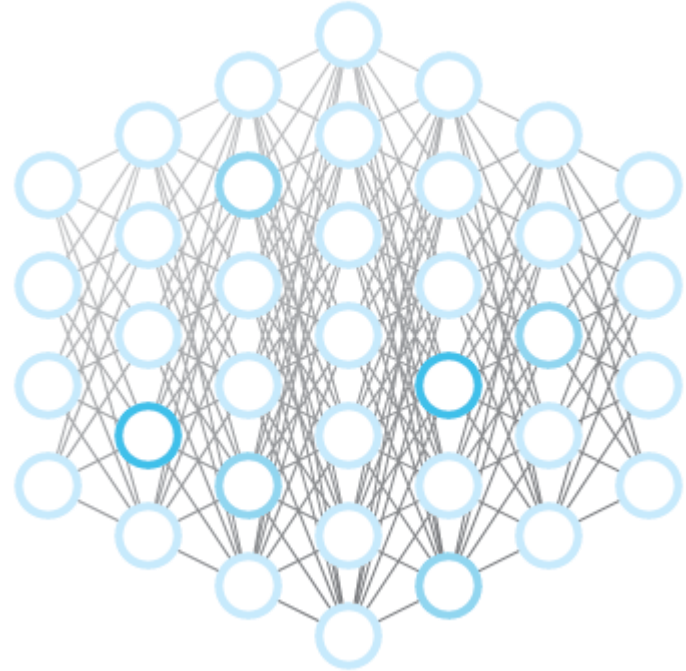
Redes de Detecção

Machine Learning



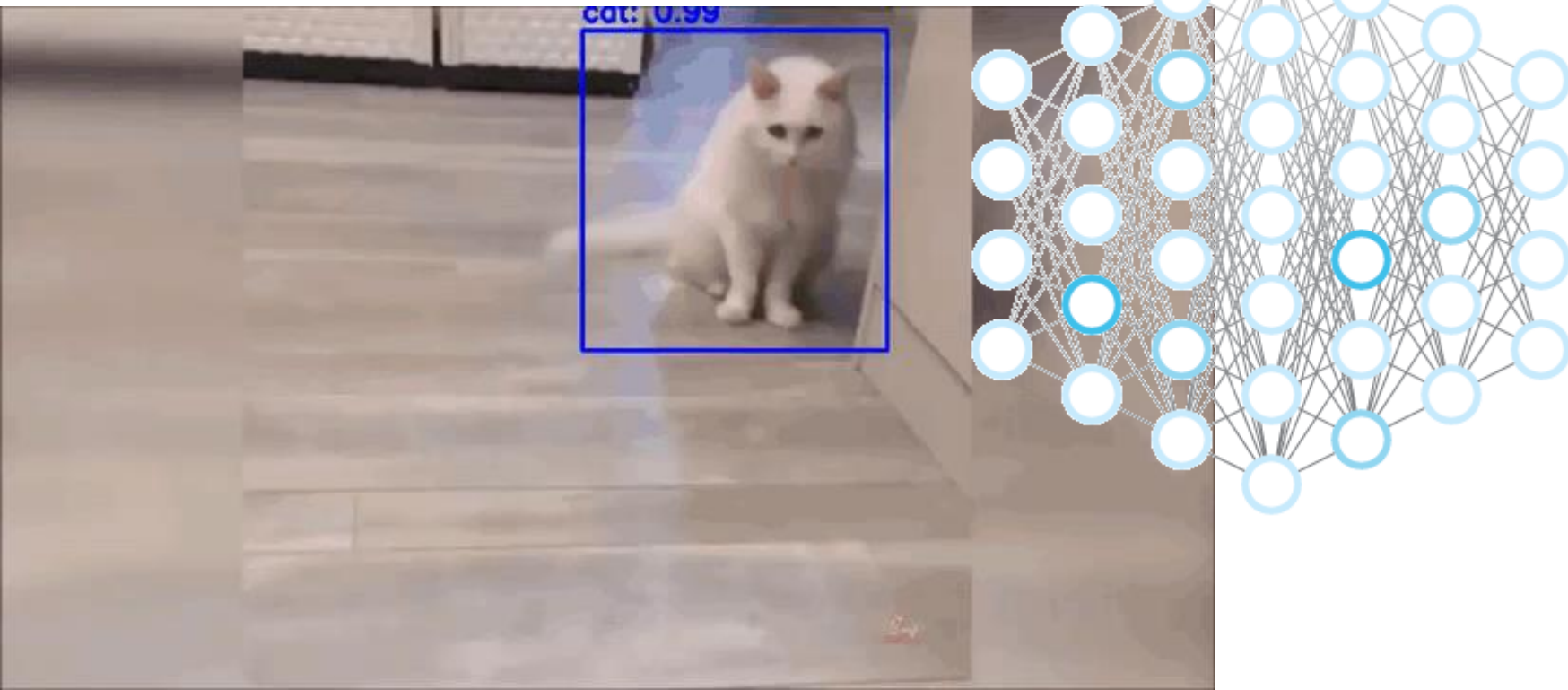
Detecção de objetos em imagens

→ O objeto deve ser detectado e classificado:



Detecção de imagens

→ Detecção de objetos:



Detecção de imagens

→ Detecção de objetos:

Classification



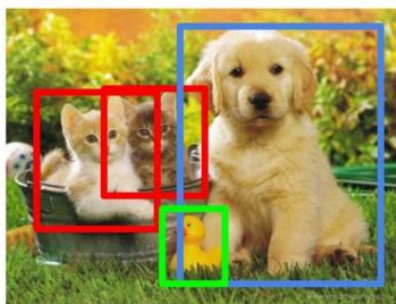
CAT

**Classification
+ Localization**



CAT

Object Detection



CAT, DOG, DUCK

**Instance
Segmentation**



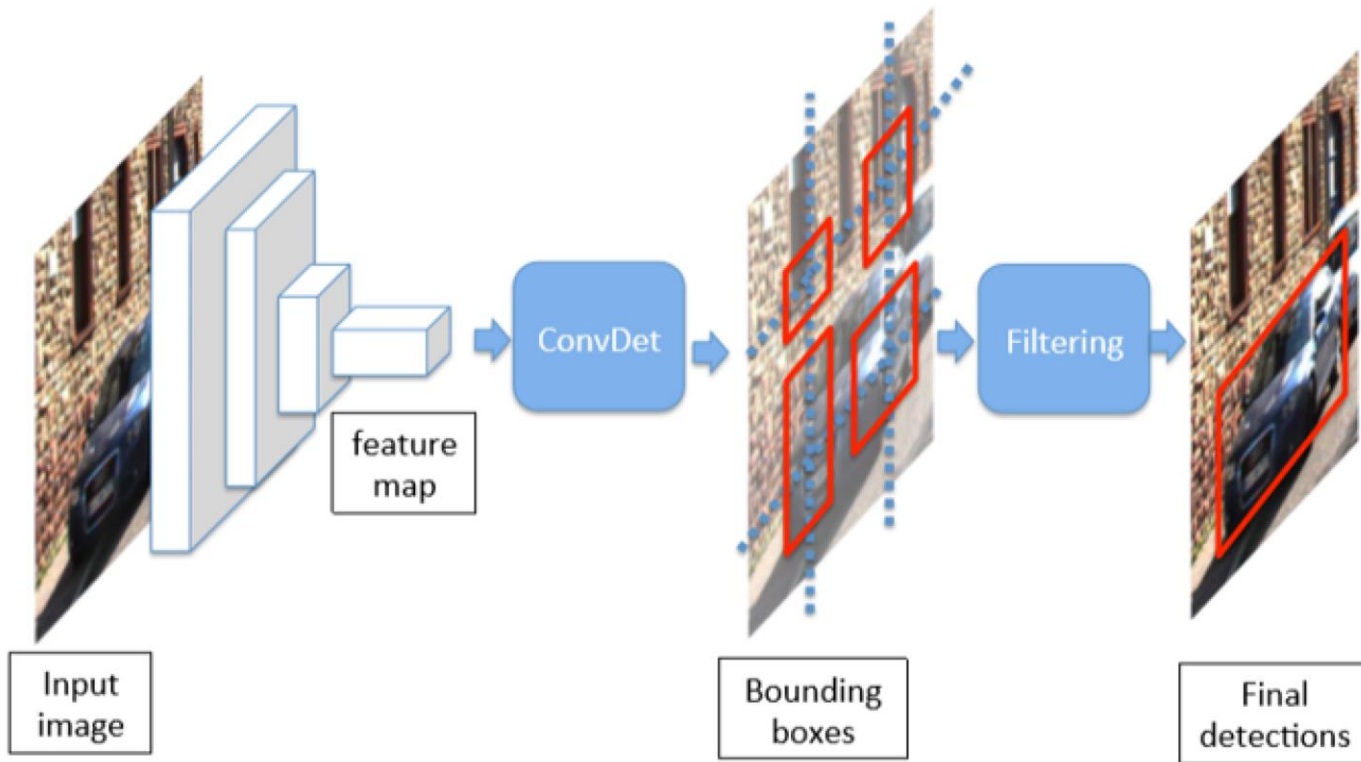
CAT, DOG, DUCK

Single object

Multiple objects

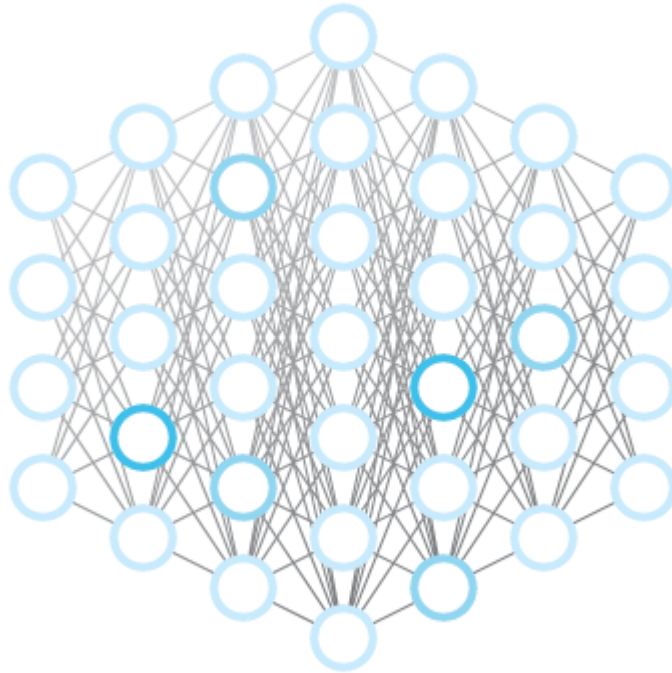
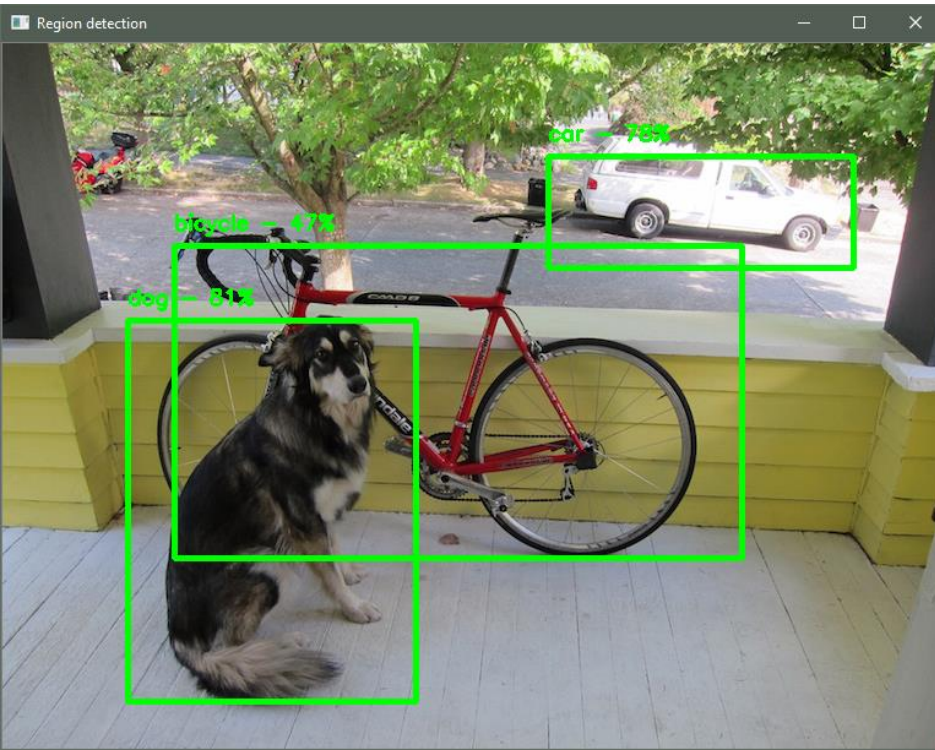
Detecção de imagens

→ Detecção de objetos:



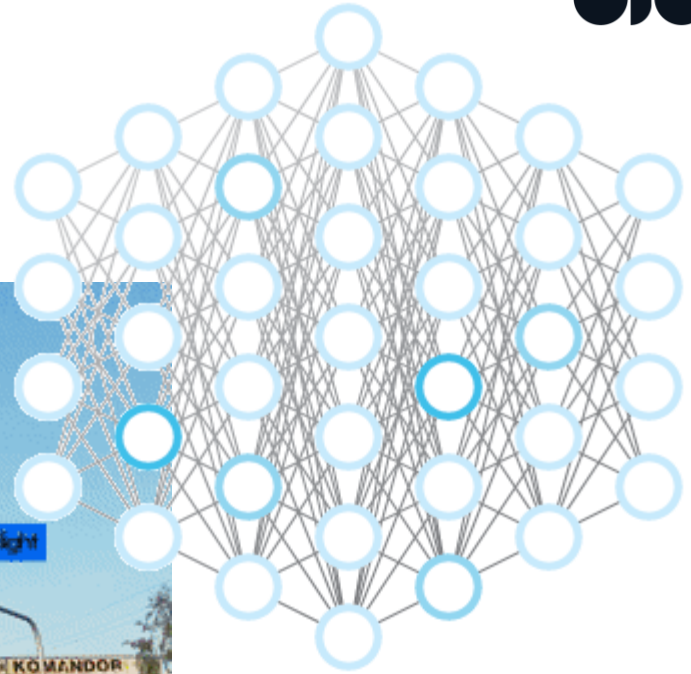
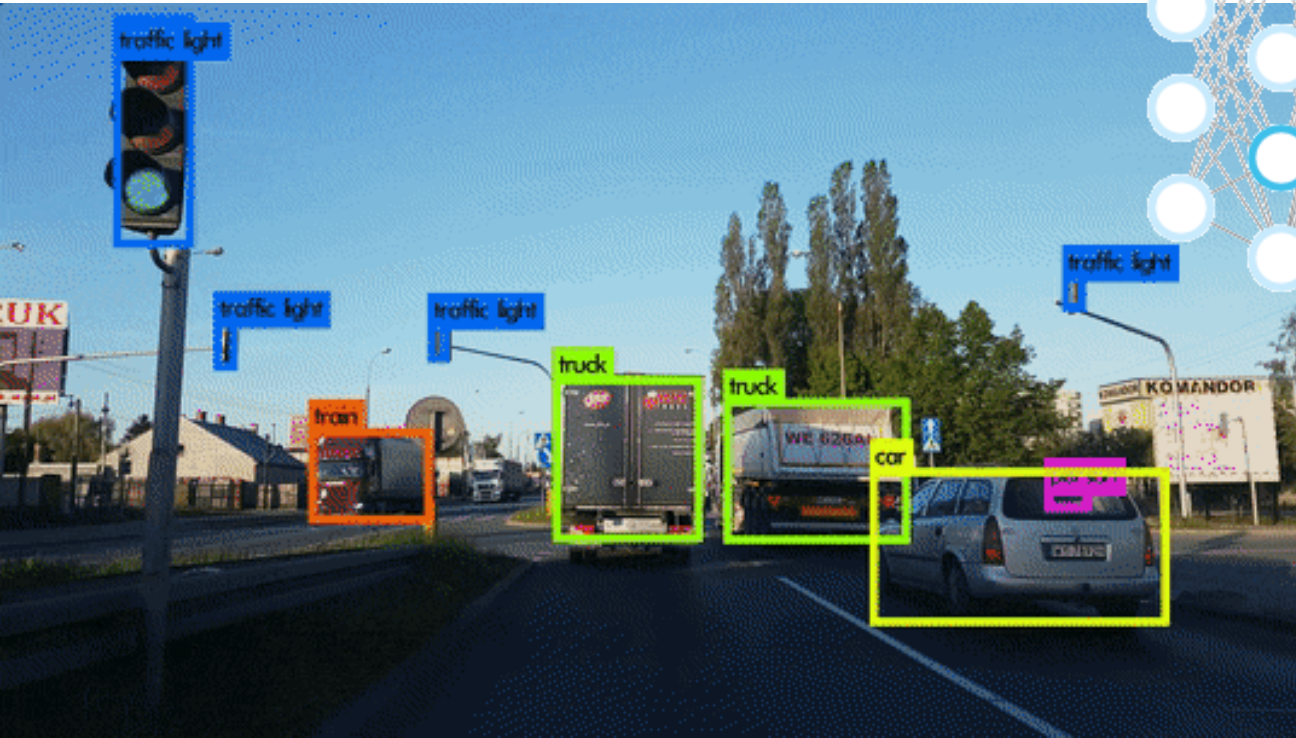
Detecção de imagens

→ Detecção de objetos:



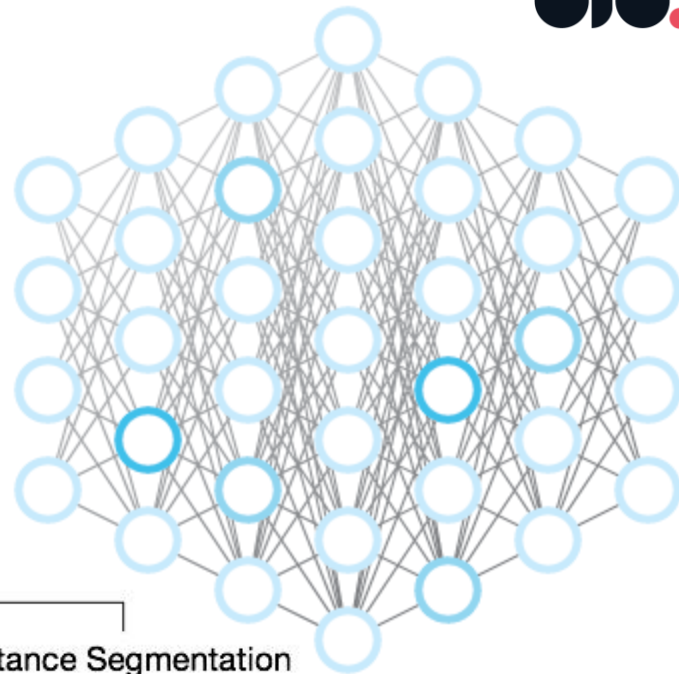
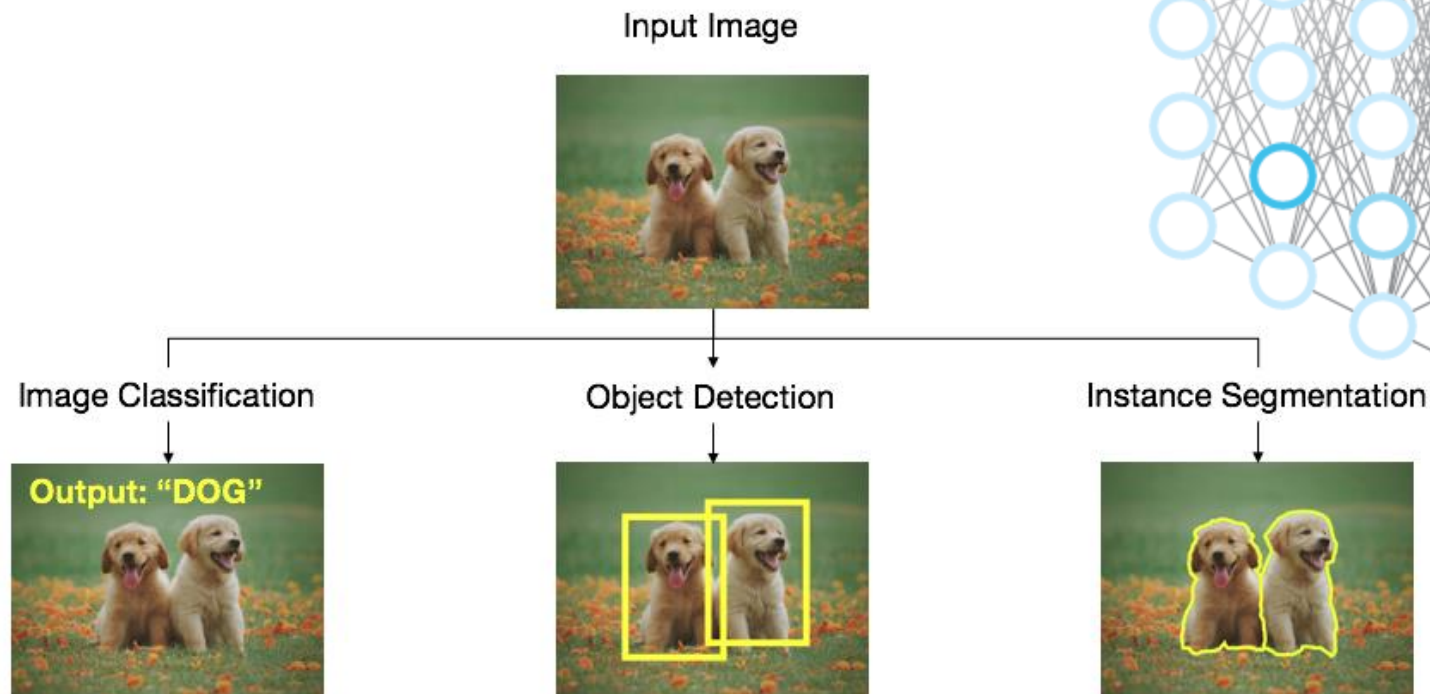
Detecção de imagens

→ Detecção de objetos:



Detecção de imagens

→ Detecção de objetos:



Obrigado!

Machine Learning

Prof. Dr. Diego Bruno

