

**Exercise: Understanding CNNs by visualization (ca. 1-2h)**

## **1. Learning goal**

The CNN model is fascinating regarding its current performance on image classification and object detection benchmarks in Computer Vision.

However, it is a wish of many researchers to understand what happens exactly in a CNN. For this, it would be helpful to understand what the neurons encode!

## **2. Visualizing the internals of a Convolutional Neural Network**

Search for resources in the WWW that explain how we can understand the operating principles of a CNN better with the help of visualization.

What are the different approaches for this task?