

# Assignment 4 - DL4IA

## Explainable Artificial Intelligence

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May 4, 2023

### **1 Introduction**

#### **1.1 Method and architecture**

#### **1.2 Applications and advantages**

#### **1.3 Grad-CAM and its differences from CAM**

#### **1.4 Challenges and limitations**

### **2 Network and testing**

#### **2.1 Select Network and source code for testing**

#### **2.2 Find and Test images within classes of chosen network**

Save attention maps for predicted class and some similar and dissimilar classes

#### **2.3 Apply one variation to each image, record changes**

Save attention maps for predicted class and some similar and dissimilar classes

#### **2.4 Team photo**

### **3 Summarize**

#### **Discussion**

Discuss the effects of the variations on the attention maps.