**INFOMCV Assignment 4**

**Authors (Group number)**

**Description and motivation of your baseline model and four variants**

(For your baseline model, add a description and motivation of the architecture and parameters (which layers, which dimensions, how connected, etc.). Also use model.summary(). For each of the four variants, add a description of which property differs from the baseline model, and why this choice was made. Make sure you name/number your models so you can refer to them. Approx. 0.5-1 page.)

**Training and validation loss for all five models**

(Put, on each row, the loss and accuracy graphs side-by-side. The x-axis should have the epochs, the y-axis loss/accuracy. Uses lines with a different color for training and validation. Approx. 1 page)

**Link to your model weights**

(Link should be accessible by Ronald Poppe and Metehan Doyran.)

**Table with training and validation top-1 accuracy for all five models**

(Fill the table below.)

|  |  |  |
| --- | --- | --- |
| **Model name** | **Training top-1 accuracy (%)** | **Validation top-1 accuracy (%)** |
|  |  |  |
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**Discuss your results in terms of your model**

(Discuss the results in terms of complexity, type of layers, overfitting measures, etc. Make pair-wise comparisons between the four variants and the baseline model. Approx. 0.5 page.)

**Discuss the differences between the two models evaluated on the test set**

(Discuss the potential causes for (lack of) differences in terms of architecture. Also compare the results of each model to the training performance. Approx. 0.5 page.)

**Choice tasks**

(Indicate which ones you did, and how you did them; Approx. half a page.)