

## Weekly Summary Report 2

Task	Time Spent
Ex1	1
Ex2	4
Watch lecture/videos	2
Reading papers	1
<b>Total time</b>	<b>8</b>

### Week 2 Self-Assessment Report

This week, I made significant progress in my understanding of key machine learning concepts and methodologies. I began the week by presenting Exercise 1 to the TA.

To further enhance my learning, I watched the videos on Lecture 3: CNN Enhancements. This allowed me to better understand deeper architectures such as ResNet and Inception, as well as to generalize other more recent tweaks in the field.

I then tackled Exercise 2's theoretical tasks, which allowed me to delve deeper into loss functions. Through this exercise, I learned the mathematical foundations of Cross-Entropy Loss, Mean Squared Error Loss, and Hinge Loss.

In addition to the theoretical tasks, I completed Practical Exercise 2, though I have not yet presented it to the TAs. This hands-on experience provided me with invaluable practical knowledge to complement the theoretical understanding I had gained earlier.

Lastly, I read about AlexNet, which was used for Exercise 2. This reading helped me to contextualize the practical exercise and understand the significance of this influential neural network architecture in the field of machine learning.

In summary, It was a good week in the progression of the course, although I still have to spend more time on the more theoretical part of the course to understand all the concepts for the exam.