

# **Group AlgoAlbo**

## **Group Experiences for Pattern Recognition**

Group Members:

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### **What the challenges were for us**

Install Issues:

First of all we had quite a lot of difficulties with the setup for python as none of us did use python before. And during the installation we had a lot of issues as in python you do have to install libraries beforehand and can't just use them like that. So, we had to install them as well with the terminal. And on some of us the install didn't work so there needed to be done a lot of research why some installs of libraries didn't work.

Programming issues:

As already mentioned, we didn't experience python before, so at the beginning we were trying to code everything from scratch as we weren't used to the python libraries like numpy, sklearn and matplotlib. So we had to do a lot of research on the Web to get used to using the libraries and fit them to our Dataset. Later on as we got used to using them a little bit which simplified the coding part a bit.

### **How our Group Organization was:**

We were 5 People in the Group. After each assignment after the lecture we were discussing on how to solve and sometimes even solved them after the class.

Otherwise, we were usually not meeting for doing the tasks, but we were communicating with WhatsApp.

The Tasks were divided onto the GroupMembers based on availability and as well the willingness to do the tasks. As every group member had different other courses, where there are assignments and projects as well.

But within the breaks in the class the proceedings were discussed and possible ways to solve the tasks were elaborated. We also had a lot of emotional discussions regarding the different approaches the team member were using for solving the tasks.

We were very happy when some knew how to use the libraries like sklearn and numpy etc. and we could see how the code got more elegant and more efficient.

### **Lesson Learned:**

We learned a lot about python its librarians, the way python has to be set up. We also learned a lot of the machine learning modules and its implementation. We learned how to work with Data on python. We got the learned that the code needs to be good structured so our coworkers of the group can understand the code better / and easier without spending a lot of time while trying to figure it out and continue the task.

**Lesson Learned:**

As we all were living in different cities in Switzerland and have different courses it was very hard for us to organize as a group and to have regular meetings as some of us are also working part-time.

We think that having smaller groups would have even been more effective for the learning curve and it would have been easier we think to organize as a group and even have regular meetings, were the Machine Learning modules could have been implemented or discussed about and exchange more ideas between one another.

We also couldn't establish some coding standards like using comments to explain the different code blocks, and as a consequence of that the 2<sup>nd</sup> Team member, which is going to work on the code, wouldn't lose much time before being able to continue the task.