

WINSTONSOFT-Weekly Report 10

This week we have worked on the documents given by our project assistant and we have slightly worked on the reordering part of the prototype code.

Can and Ilker, have worked on the code, actually on the reordering part. For reordering phase work, we tried to analyze the reordering part of WireShark but it was quite complex and we could not understand it clearly enough. In the following week, we will be working on reordering and try to complete our project presentation in January 4th.

Elvan and Cagla have conducted research on the documents submitted by the project assistant. In this research we have tried to examine the algorithms about learning mechanisms on "Information Theory, Inference and Learning Mechanism" by David J.C. Mackay. It was again quite complex and we cannot understand on which part of the book we should work on. So we have conducted a research without going in too much detail. In the other document about network traffic classification, the suggested classification methods was related to the port number in a way, however the algorithm used for learning mechanism proposed on the paper, i.e. Learning Vector Quantization (LVQ) algorithm, may come in handy in later phases of the project.

In addition, as a group, we have discussed about the feedback given by our assistant for our initial design report and we decided to change some parts in our database and user interface modules proposed in Initial Design Report for multiple content connections. Additionally, as we were conducting research on the internet about Support Vector Machines, we have found a library, namely libsvm, prepared for C++. We have not conducted a detailed work and we have not analyzed the library enough yet. In the following week we will try to analyze this additional library which we believe that it will be very helpful for our project. We will try to add some information about this library in our presentation.

In the following week, as a group, we will prepare the group presentation and we will decide on who will be responsible for the presentation.