5TH EXERCISE SESSION

Self-Organizing Map (SOM) also known as Kohonen Map / Network

Write down and explain the formulas for SOM.

With the programming tool that you have chosen (preferably Matlab / Python), study and experiment different SOM related functions that you can find (for example selforgmap in Matlab). Please notice that SOM is also available in C/C++ (http://www.cis.hut.fi/research/som-research/nnrc-programs.shtml) and for Matlab (http://research.ics.aalto.fi/software/somtoolbox/) from the original source of the method. Feel free to try also these. Use data sets available in https://cs.uef.fi/sipu/datasets/ and try to visualize SOM. Make and submit a report about your experiments.