Cascade networks and Extreme Learning Machines Project Schedule

Tony Oakden
6/8/2014

5th August:
Code: Implement ELM in Matlab - Binary classifier. Test with a variety of data and network topologies. Compare performance with back propagation.

12th August:
Code: Continue with ELM – more complex classification problems. Test with a variety of data and topologies.

Report: Write introduction and section on ELM. This will include theory, implementation details, performance graphs and comparison to back propagation neural networks.

19th August:
Code: Implement Casper in Matlab using simple layered topologies. Examine the code provided by Tom. Re-implement if necessary.

26th August:
Code: Casper Implementation continued

Report: write section on Casper. This will include implementation details, performance evaluation and comparison to ELM and back-prop

2nd September:
Experiment with Casper and ELM layers

Code: produce hybrid model which uses ELM and Casper for classification.

Report: Begin writing section on hybrid ELM and Casper model

23rd September:
Code: Continue to work on Cascade/ELM structure

Report: Complete section on hybrid model. This will include implementation details, performance evaluation and comparison to ELM, back-prop and cascade networks

30th September:
Code: Project code complete

Presentation: By this point all the material for the presentation will be complete and a rough version of the presentation will already have been produced and performed. This week is given over to tidying up the presentation, data, adding final results, drawing conclusions etc.

7th October:
Presentation Rehearsal
Report: Finish Conclusion, References, finalizing diagrams and figures, graphs, results, table of contents etc.

14th October
Report Draft submitted to Tom Gedeon for review

28th October:
Final Presentation

31 October:
Report Submission