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Master of Technology

Unit 2/6: Computational Intelligence I

Workshop (2): Neural Networks with R

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Objectives

On completion of this workshop, students will

- » have a good understanding on training neural networks with R
- » learn how to train neural networks using R packages and coding

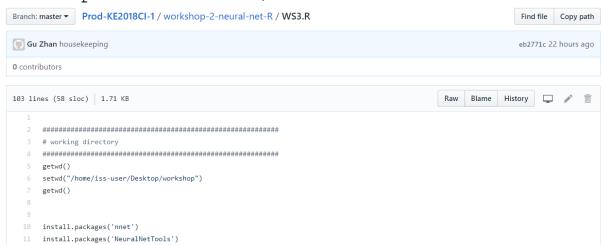


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Workshop (2)

- 1. Use http://bit.ly/iss-vm or Download R (RGui or Rstudio) if necessary
 - http://www.r-project.org/
 - http://www.rstudio.com/
- 2. Run the R code provided to train two neural networks BP and GRNN

workshop-2-neural-net-R/WS3.R



- 3. Understand the R code further
- 4. Evaluate GRNN with different smoothing parameters (sigma= 0.1, 0.2, 0.5, 0.9...)
- 5. Other NN packages: nnet, neuralnet, pnn, RSNNS......

You can use them for your CA assignment.

