

Assignment 1 – CSE351 (Total points: 37.5)

Submission Deadline -> Sunday 5 April 2020 11:59 PM Korea time (Hard deadline)

Synopsis

Assignment 1 of the CSE351 course will focus on mastering data analytics using one of the following freely available tools:

- 1) Orange
- 2) KNIME
- 3) Rapid Minder
- 4) Sisense
- 5) Rattle

Each group will master one of the above tools. It is **preferred** that each team select a different tool, however, you may select a tool of your choice.

Your submission should address the elements described in the following sections for the tool you have selected:

- 1) Installation details
- 2) Components of user interface
- 3) Type of data supported (e.g. txt, csv, DB connection)
- 4) Data preprocessing features
- 5) Classification features
- 6) Clustering features
- 7) Regression features
- 8) Association rule mining features
- 9) Data visualization features

You will create a powerpoint containing all above details with examples. For a sample, kindly refer to Weka tutorial I have posted on the course webpage.

Also, each team will present an 8-minute demo of the tool (time slot to be decided).

Rubric:

Powerpoint presentation – 29.5 points (to be uploaded on blackboard):

- Installation details – 2 points
- 3 points each for points 2 to 9
- Specifically write which tasks have been completed by which member: 3.5 points

Demo session – 8 points

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