Intro to AI Report

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• Report, introduction: description and motivation of the problem, description of the dataset including data types (e.g. discrete, continuous) (15%)

What is your dataset, problem domain?

• Did you have any missing data? If so, how did you cope it?

• Did you do apply techniques to understand your dataset?

• Have you omitted some data? If so, why?

During this project, we are trying to be able to achieve 3 main goals. These goals are to:

* describe a machine learning problem and apply AI techniques to that problem.
* describe the systematic application of our chosen AI methodology.
* and to apply, compare, contrast and critically evaluate at least two ways of analysing our problem data.

In this report, you will find that we chose an interesting dataset and using techniques that we have learnt from this module, we will produce a result that satisfies our problem domain.

Domain and Dataset

We have chosen a dataset called ‘Online shoppers’ intentions’. This dataset has a dimensionality of 18 columns which are broken down into 10 numerical and 8 categorical attributes.

• Report, methodology: summary of the models used, with their pros and cons, a hypothesis statement, description of choice of training and evaluation methodology (20%)

• What models did you use?

• Is your model classification or regression?

• Report, results: description and presentation of the output. The code acts as an appendix to this section, and code quality (e.g. commenting) contributes. (35%)

• How did you encode the input variables?

• What are the criteria for selecting model performance evaluation tools?

• What were your outputs?

• Report, evaluation: analysis and critical evaluation of results. (10%)

• Did you have any problems or difficulties working with the dataset?

• Report, conclusions and referencing: lessons learned, references (using Harvard format) and future work. (10%)

REFERENCES PAGE