Final Project

Machine Learning
ITAM
Due date: December 15 2017

Description

The project consists in choosing an interesting problem and applying different machine learning techniques to address it:

- Choose a data set with at least 5000 entries and at least 10 attributes
- Execute all the steps seen in class for the creation of a mode, e.g., variable selection, model selection, threshold selection, etc.
- Apply at least three machine learning techniques and compare results
- Write up a report and upload it to GitHub on or before the due date. Upload **only** .pdf files

Report

The report must have the following:

Introduction : Motivate and describe the problem you are addressing

Methodology : Describe the steps taken to generate the models, describe the results of each phase and justify your choices of techniques and parameters. Justify the error metrics to be used in the context of the problem

Results : Report the performance of the different techniques on the test data and compare results

Conclusions : Interpret the results in the context of the described problem (this is an important point, connect the conclusions with the introduction). Suggest future work

Bibliography : Include the appropriate references