

Midterm Project and Final Report Writeup Instructions

- Due Date December 20, 2020
- Can be done with groups of size up to 2
 - Submit one report for each group
 - If there are 2 people in the group, list the work contributed by each person in the group
- Should be done in the latex environment
- The report must be in the form of a paper like that submitted to a conference
- The length should be about 6-8 conference pages
 - Abstract
 - * Read the Fatal Abstract play that can be found on the website
 - * The Abstract should include methods, data, and conclusions
 - Introduction
 - * Motivates the report from the perspective of machine learning
 - * Find additional references
 - * Does a literature review, making references to papers published
 - * The last paragraph of the introduction should summarize the findings/importance of your contribution
 - * Tell them what you are going to tell them
 - Technical
 - * Explains and details the problems
 - * Explain anything you need to explain about the problem being worked

- * Explain the features in a clear enough way that somebody can replicate the computation of the features
- * Explain the methods used to classify, including all the tuning or default parameter values
- * Data Sets
 - Training
 - Optimization (if necessary)
 - Testing
 - Cross Validation
- * Tell them
- Experimental Results
- Tell them
 - * 10 fold cross-validation
 - * Describes your results through graphs and tables and explanations
- Conclusions
 - * The conclusion should be a summary with a clear attempt to add cautious knowledge and wisdom to data
 - * Tell them what you told them
 - * Any future work that you would find worthy of doing
- Bibliography
 - * Each of the papers reference in the bibliography must be cited either in the Introduction or the Technical section
- All scripts, programs, illustrations and the tex and pdf report writeup should be zipped into one file