Content

Your final report should include:

Title page, including;

– "EE 559 Project", date, project title, your name and email address; if you are a DEN student, so state.
– State whether "individual project" or "team project" (give team-mate's name)
– Also: "Prior or parallel work:" - state "none" or "described in Section xxxx".

Abstract

Abstract is 1 paragraph and should give a brief summary of your project, including your approach and key results.

Main body

Should include the following information, the organization and ordering of which is up to you. All of these topics were listed in the project assignment and/or the HW 7 status report. (For any of these that you described in HW 7, feel free to repeat that description here, updated as appropriate.) These topics are listed here mainly as reminders of what to include (so that you get credit for what you did ☺.)

– Name and brief description of the dataset you used (including number of data samples, number of features, number of classes; and a link if it is not one of the given datasets) [similar to description in HW 7, Problems 1a and 1b.]
– All preprocessing you did (including any treatment of categorical data and missing data; normalization; data formatting)
– Dimensionality reduction or expansion: method(s) used, rationale, results, and interpretation.
– Classifiers used (both pattern recognition (or common) name, and Matlab / Python / toolkit function name, if any). If you used any classifiers we didn't cover in class, briefly describe what it does and include a reference.
– Model selection / parameter optimization technique(s) you used.
– Dataset usage: description of how you created and used training, testing, and validation sets.
– Languages used; toolboxes and functions/routines used; what you coded yourself. Any particular unexpected issues you had to resolve.
– Random assignment method(s) used, and resulting performance.
– Baseline system used, and resulting performance.
– Optionally, pertinent works that you found in the literature, if any; e.g., a best performing system or one you modeled some of your work after. Include references.
– Interpretation of your intermediate and final results.
– Results of your final system - how results were measured, and detailed description of your final system including values of parameters.
– Anything else needed to explain clearly what you did.

- If it was a team project, state clearly what you did, what was done together, and briefly what your collaborator did; this could be done as a separate section, or as a table (listing each topic or task, and who did the work or how it was divided up). Most of your report should describe work that you did. Your report may also include a section describing your collaborative work (for example, plans you made or conclusions you reached together).

References (if any)

Use any standard format; e.g, you can follow the format of any regular journal paper.

Your code

Append a copy of your code, as a text file converted to pdf.

Format, length, and originality

Your report should be submitted as a single pdf file. The text and equations should be typeset, and converted to pdf. Scanned documents are not acceptable.

There are no hard restrictions on length. Recommended length is less than or equal to five pages of text for the abstract and main body (assuming 11 or 12 point font, single spaced except for headings and between paragraphs, not counting figures and tables). Title page, references, and your code don't count in this suggested limit.

A note on originality. Your report should be written by you. Any material that is taken directly from other sources must be quoted and referenced.

How to turn in your final project report

A Turnitin box will be set up for you to upload your project report to, similar to that for the Homework 7 project plans and status report. It will be on the Blackboard web site, in the "Assignments" folder.