Project#100(Put your project number): Project Title

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Abstract

In here, write the report for the project. Briefly: describe what problem you are trying to solve and why is this problem important, how are you going to solve (techniques and methodology), datasets you are going to use, what do you want to achieve in the end, results, etc. Basically, it is an executive summary of your project. This section should be brief (10-12 lines). The page limit for the entire document is 4 pages (8 columns) + 1 column = 8 columns for paper text (excluding references) + 1 column for Presentation Feedback. Any number of pages for references are allowed.

Each section below describes what should go in there. Things are written point-wise but you should not write it that ways. These are just pointers, you should write it as you would write in a research paper. As I said these are pointers, you can include other information as well. But the section names and numbers are fixed.

1 Introduction

Key points:

1. Motivate and introduce the research problem, why is this problem relevant, what are subparts of the problem.
2. Briefly write about what has been done to solve the problem, what is the state of the art performance/solution
3. Briefly: what is your approach for solving the problem and how is it different
4. Give an overview about rest of the paper

2 Problem Defintion

Key points:

1. Formally define the problem
2. Introduce the necessary terminology and definitions, be as mathematical as possible.
3. Technically, what is needed to solve the problem, e.g. does it require solving some optimization problem, or sampling from a distribution, etc.

3 Related Work

Key points:

1. This section is for literature review
2. Briefly write about related work, its shortcomings, its advantages, and also if possible compare that related work to your approach

4 Corpus/Data Description

Since we are working on Statistical NLP, the models are learned from data. Corpus is an important component of the project. Key points (Following can be in any order):

1. Describe corpus/dataset that is going to be used, if it is mutlimodal describe each modality
2. In case you are going to create data, how is data created or acquired?
3. Describe the key statistics of the data, train/val/test split or number of words or mean ,std, etc. whatever is applicable and will have an impact on the solution
4. If you plan to augment this data with external data sources, mention that
5. Your analysis of the data and any interesting insights.

5 Proposed Approach

Key points (Following can be in any order):

1. Formally define your solution(s), e.g. if you are using some deep learning architecture or some specific optimization or some particular algorithm, etc.
2. You can have diagrams/ model architectures in this section
3. Describe your pipeline (if applicable), what would be the input and what would be the output, etc.
4. Other information which would help towards the solution
5. Baseline models for each sub-task.

6 Experiments and Results

Key points (Following can be in any order):

1. Briefly write about the experiments conducted by you for solving the problem, e.g. Baseline models and results.
2. Results that you got (may be in tabular format)
3. How do your results compare to existing methods or other approaches

7 Error Analysis

Key points (Following can be in any order):

1. Perform an analysis of your experiments and results
2. Write about what worked and what didn't and more important reason for it

8 Individual Contribution

This should be in form of a table

1. Write about what each member of the team contributed

9 Future Work

1. Write about what do you plan to do in next.
2. There should be timeline about what you plan to do next and who is going to do what part.

10 Conclusion

The title is obvious. Summarize.

11 Presentation Feedback (Max 2 columns)

1. Write about the questions asked during the presentation
2. Write about the suggestions (if given) during the presentation

References