

Proposal: Your Project Title

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1 Proposal Description

Paragraph 1: What is the overall objective of your project? That is what problem are you solving. Why should anyone care about this problem? Why is this problem difficult to solve?

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Paragraph 2: What are the broad approaches that are used to address this problem? Please find three papers that are relevant for this problem and summarize the main idea behind each paper in one line.

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Paragraph 3: What are the ideas/methods you are trying to address this problem? How do these relate to the ideas discussed in the paper.

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Paragraph 5: Briefly mention how you will test these ideas. Mention the system that you are starting as your baseline system. Then say what other systems or variations of the system you are trying out.

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Paragraph 5: How will you evaluate your ideas? State how you will do this. Below is a template but you dont have to follow it. The idea however is for you think about your evaluation in this type of a structured format. You will have to think carefully about what you will evaluate and how.

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- Research question 1: Can doing [insert your idea 1 here] help improve performance on the task? Show an empty table that will present the main results you aim to obtain. The table will typically have rows for the base-lines, your models/variations, and columns

that present evaluation metrics (e.g. classification accuracy, precision, recall, F1). The numbers of course will be empty at this stage.

- Research question 2: When does [insert your idea 1 here] help improve performance on the task? Describe what kind of analysis you will do to figure out in what situations your idea is helping. This will usually amount to looking at the cases where your model worked and coming up with hypotheses for why. Sometimes you might be able to categorize the instances based on some aspect that is meaningful for your problem (e.g. the length of the text, the presence of certain types of entities etc).
- Research question 3: When does [insert your idea 1 here] hurt model performance? Describe what kind of analysis you will do to figure out in what situations your idea is hurting. This will usually amount to looking at the cases where your model failed and coming up with hypotheses for why. Sometimes you might be able to categorize the instances based on some aspect that is meaningful for your problem (e.g. the length of the text, the presence of certain types of entities etc).

Paragraph 6: What are the main outcomes you hope of this project? Give a short list of what your observations were based on the evaluation. **OPTIONAL FOR PROPOSAL** And list the what you learned by doing this project. For example:

1. We implemented X for the task of ...
2. We developed a new addition Y to X
3. Our evaluation shows Y performs better by Z F1 points.

100	4. Analysis shows Y works well when ... and	150
101	fails when ...	151
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103	5. Based on our work we conclude that inves-	153
104	tigating P, Q, and R might be promising av-	154
105	enues for future work.	155
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