

Reproduction Plan Group 78

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**Deadline 1: April 15 Poster & Presentation**

**Deadline 2: April 16 Blog**

**Blog link:**

[https://colab.research.google.com/drive/1l0jJWpTsmr8Q3xAdWUJg1Q\\_GmiulIohc?usp=sharing](https://colab.research.google.com/drive/1l0jJWpTsmr8Q3xAdWUJg1Q_GmiulIohc?usp=sharing)

**Weekly Schedule:**

Week Number	To Do:
Week 5	Make Reproduction Plan & Initial Meetings & Set-up Blog on Google colab & Set-up Google colab for code
Week 6 (March 15 <sup>th</sup> )	<p>Start writing the Blog:</p> <ul style="list-style-type: none"><li>- Look at reference blogs for inspiration.</li><li>- Explain the approach of the original paper.</li><li>- Explain our approach of reproducing.</li><li>- Address the value of our reproduction.</li></ul> <p>Study the code:</p> <ul style="list-style-type: none"><li>- Get the code running on both our systems.</li><li>- Discuss how we want to reproduce the code.</li><li>- Create a flowchart of the code.</li></ul> <p>Propose weekly TA meeting for feedback.</p>
Week 7 (22 <sup>nd</sup> )	<p>Reproduce the code:</p> <ul style="list-style-type: none"><li>- Iterate through the flowchart and implement new blocks of code using pytorch.</li><li>- Try to produce the results from the original paper using the newly implemented code.</li></ul> <p>Write the blog:</p> <ul style="list-style-type: none"><li>- Add technical details to the blog.</li><li>- Add “results” parts of the reimplemented code.</li><li>- State if our reproduction results are in agreement with the main conclusions of the paper.</li></ul>
Week 8 (29 <sup>th</sup> ) <i>Exam week</i>	Make the poster & Presentation
Week 9 (5 <sup>th</sup> ) <i>Exam week</i>	Make the poster & Presentation
Week 10 (12 <sup>th</sup> ) <i>Exam week</i>	Presentation

**Question for supervisor:**

1. How do you suggest we best run the code?
2. What part of the model needs to be reimplemented in Pytorch, does it include the other results from other methods (LSTM, FNN)?
3. Which figures and tables need to be reproduced?

**Reference:**

[A reproduction attempt of “Dropout: A simple way to prevent neural networks from overfitting” | by Avinash Saravanan | TU Delft EEMCS Student Projects | Medium](#)