Latex support

Your name

1 Introduction

This is a LaTeX file. Follow the text in `exercises.pdf` and recreate the text as well as formatting in your own document.

Recreate this line and footnote[1]. Do not forget to include the newlines.

1.1 Comments on referencing

In order for the citations to work, either in this format: (Devlin et al., 2018) or in this format: Devlin et al. (2018), the following must be added at the end of the LaTeX document:

```
\bibliography{library}
```

Or, if you are using the in other format, as illustrated below.

```
\printbibliography
```

This line above is already included in this template. The bibliography is created automatically from `library.bib` file you have imported from the github repository. Open the file and explore it. Add the Introduction to NLP coursebook by Jurafsky and add its reference using Google Scholar [2]. Cite it here: [insert reference].

2 Formatting

To achieve the main purpose of the project, the following objectives were identified.

1. This is one goal.
2. This is another goal.
3. ...

The experiments yielded interesting results.

- **Experiment 1**: This is a result.
- **Experiment 2**: This is another result.

Notice the gap difference between the previous bullet formatting and the one below.

- This is a *point*;
- This is *another* point.

Several conclusions were made.

2.1 Headache cases

`Hint`: look for cite and mathematical equations inside latex text.

As an example Tversky and Gati (1982)[3] provided w_1 relating to w_2, w_2 to w_3, yet w_1 and w_3 not having a

[1] This is a footnote.
[2] This is a clickable link: https://scholar.google.com/
[3] This citation mode should be easy.

semantic connection.

The equation[this is a superscript] can be expressed as illustrated in the Equation 1 below. This equation was brought to you by an equation Generator[4].

$$\sqrt[N]{\prod_{i=1}^{N} \frac{1}{P(w|w-1)}} \tag{1}$$

Here is some randomly generated text, used here and in the following Section. "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."

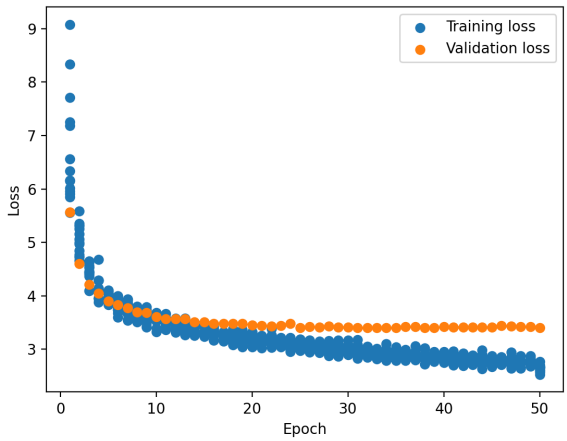
3 Figures

Your task is to add some images. You can find `image1`, `image2` and `image3` in the folder `data` in the repository. Import and use them as illustrated in Figure 1 and Figure 2, respectively. First, add a separate image. Now join two

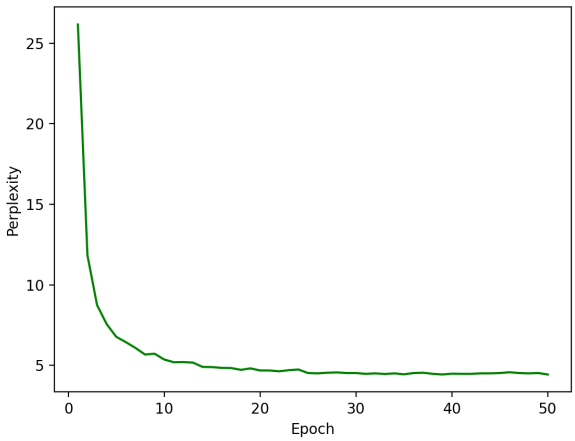
Figure 1: Try creating a caption over, then under the image

images as illustrated below in Figure 2 (a-b).

[4] https://www.codecogs.com/latex/eqneditor.php



(a) Training and validation loss



(b) Perplexity

Figure 2: A secret model trained on a secret dataset for a secret task for 50 epochs

Next, your task is to add a table. Use a Table Generator[5]. You can find the `table.xcls` in the folder `data` in the repository. Generate a table and add one as illustrated in Table 1, respectively.

Table 1: Some randomly generated numbers

	Model 1	*Model 2*	*Model 3*	*Model 4*
Recall	99.84%	93.43%	96.88%	90.84%
Precision	95.32%	99.09%	90.32%	99.24%

4 Paragraphs

Recreate different paragraph speparation styles.

4.1 Parahraph separation style no.1

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4.2 Parahraph separation style no.2

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[5] https://www.tablesgenerator.com/

Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."

"Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo."

References

Jacob Devlin, Ming-Wei Chang, Kenton Lee, and Kristina Toutanova. Bert: Pre-training of deep bidirectional transformers for language understanding. *arXiv preprint arXiv:1810.04805*, 2018.

Amos Tversky and Itamar Gati. Similarity, separability, and the triangle inequality. *Psychological review*, 89(2):123, 1982.