

- Named entity extraction, detecting occurrences of actual characters and their identification

- Unification of occurrences to connect the characters
- Check for conversations, mentions, direct actions and affiliations to create interaction list
- Merging the characters and building a filtered list to help us in building a the character network graph
- Sentiment analysis on character conversations, mentions, direct actions and affiliations to build a sentiment model of the characters
- Visualize the extracted data

Methods

Use the Methods section to describe what you did and how you did it – in what way did you prepare the data, what algorithms did you use, how did you test various solutions ... Provide all the required details for a reproduction of your work.

Below are \LaTeX examples of some common elements that you will probably need when writing your report (e.g. figures, equations, lists, code examples ...).

Equations

You can write equations inline, e.g. $\cos \pi = -1$, $E = m \cdot c^2$ and α , or you can include them as separate objects. The Bayes's rule is stated mathematically as:

$$P(A|B) = \frac{P(B|A)P(A)}{P(B)}, \quad (1)$$

where A and B are some events. You can also reference it – the equation 1 describes the Bayes's rule.

Lists

We can insert numbered and bullet lists:

1. First item in the list.
 2. Second item in the list.
 3. Third item in the list.
- First item in the list.
 - Second item in the list.
 - Third item in the list.

We can use the description environment to define or describe key terms and phrases.

Word What is a word?.

Concept What is a concept?

Idea What is an idea?

Random text

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Figures

You can insert figures that span over the whole page, or over just a single column. The first one, Figure 1, is an example of a figure that spans only across one of the two columns in the report.

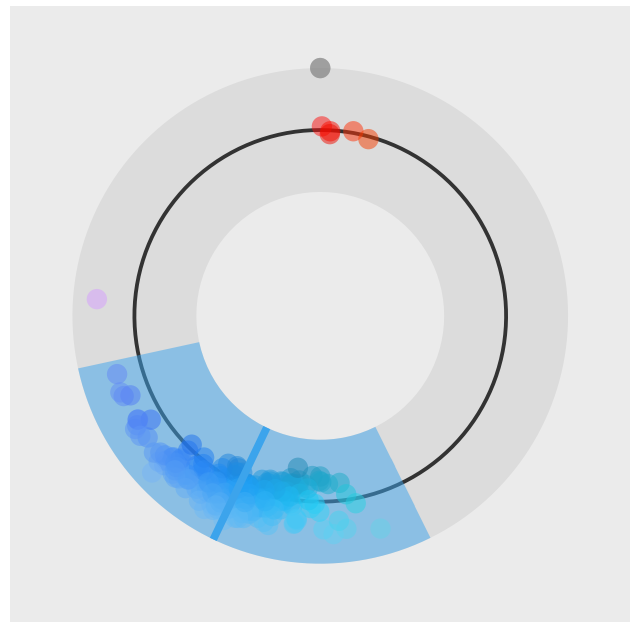


Figure 1. A random visualization. This is an example of a figure that spans only across one of the two columns.

On the other hand, Figure 2 is an example of a figure that

spans across the whole page (across both columns) of the report.

Tables

Use the table environment to insert tables.

Table 1. Table of grades.

Name		Grade
First name	Last Name	
John	Doe	7.5
Jane	Doe	10
Mike	Smith	8

Code examples

You can also insert short code examples. You can specify them manually, or insert a whole file with code. Please avoid inserting long code snippets, advisors will have access to your repositories and can take a look at your code there. If necessary, you can use this technique to insert code (or pseudo code) of short algorithms that are crucial for the understanding of the manuscript.

Listing 1. Insert code directly from a file.

```
import os
import time
import random

fruits = ["apple", "banana", "cherry"]
for x in fruits:
    print(x)
```

Listing 2. Write the code you want to insert.

```
import (dplyr)
import (ggplot)

ggplot (diamonds,
        aes(x=carat, y=price, color=cut)) +
  geom_point() +
  geom_smooth()
```

Results

Use the results section to present the final results of your work. Present the results in a objective and scientific fashion. Use visualisations to convey your results in a clear and efficient manner. When comparing results between various techniques use appropriate statistical methodology.

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Discussion

Use the Discussion section to objectively evaluate your work, do not just put praise on everything you did, be critical and exposes flaws and weaknesses of your solution. You can also explain what you would do differently if you would be able to start again and what upgrades could be done on the project in the future.

Acknowledgments

Here you can thank other persons (advisors, colleagues ...) that contributed to the successful completion of your project.

References

[1] Arthur M Jacobs. Sentiment analysis for words and fiction characters from the perspective of computational (neuro-) poetics. *Frontiers in Robotics and AI*, 6:53, 2019.

[2] Micha Elsner. Character-based kernels for novelistic plot structure. In *Proceedings of the 13th Conference of the European Chapter of the Association for Computational Linguistics*, pages 634–644, 2012.

[3] Thomas K Landauer, Peter W Foltz, and Darrell Laham. An introduction to latent semantic analysis. *Discourse processes*, 25(2-3):259–284, 1998.

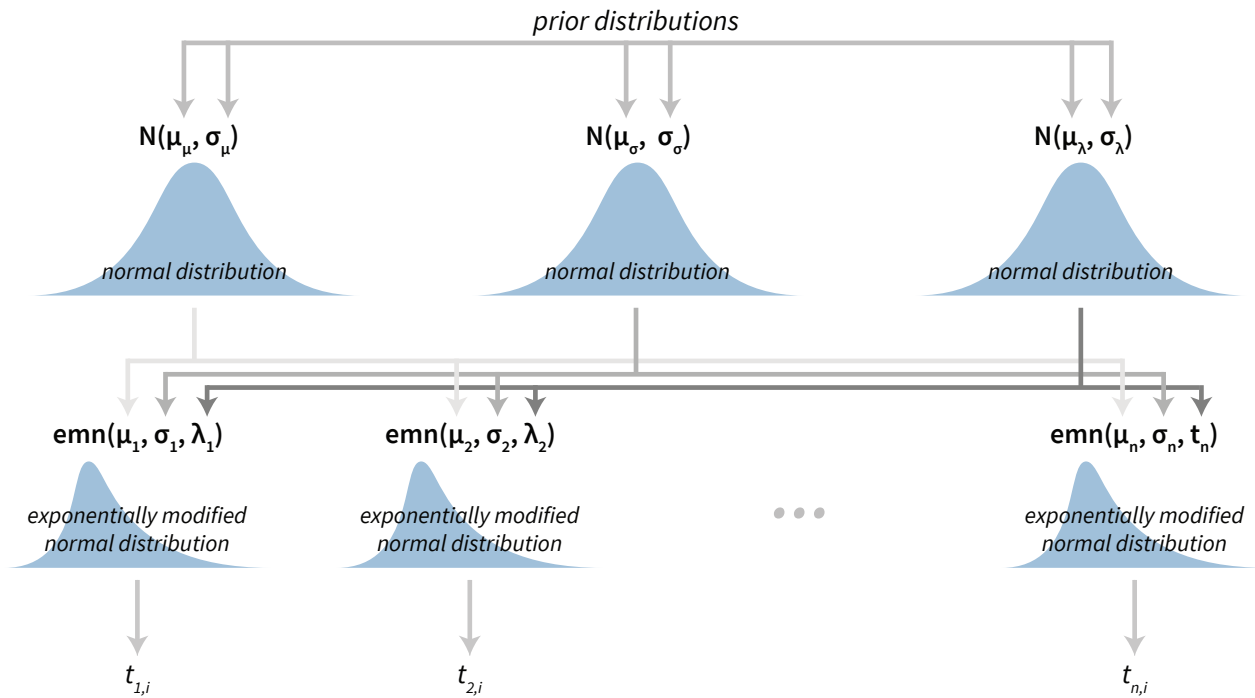


Figure 2. Visualization of a Bayesian hierarchical model. This is an example of a figure that spans the whole width of the report.

- [4] Vincent Labatut and Xavier Bost. Extraction and analysis of fictional character networks: A survey. *ACM Computing Surveys (CSUR)*, 52(5):1–40, 2019.
- [5] Rolf A. Zwaan, Joseph P. Magliano, and Arthur C. Graesser. Dimensions of situation model construction in narrative comprehension. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 21(2):386–397, March 1995.
- [6] Rolf A. Zwaan. Situation models. *Current Directions in Psychological Science*, 8(1):15–18, February 1999.