# Paper Template for COMP90049 Report

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## 1 Introduction

Predicting the expected salary for a job based on its description is something many job seekers could benefit from, and the problem sits neatly in the domain of Natural Language Processing.

We are faced with a dataset of labelled and unlabelled job descriptions with the task of predicting their salaries. I have implemented semi-supervised logistic regression (LR), k-nearest neighbours (KNN), and multinomial Naive Bayes (MNB) models to ascertain whether the inclusion of unlabelled data in self-training improves job salary prediction.

## 2 Section

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### 2.1 Subsection

Text of the subsection with citations such as Spärck Jones, 1972), Kay, 1986) and Mosteller and Wallace, 1964). Note that the citation style is defined in the accompanying style file; it is similar to AAAI house style. You may use other (formal) citation styles if you prefer.

#### 2.1.1 Subsubsection

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| Corpus | Features |
|---|---|
| AAA | 1M words |
| BBB | spoken corpus (expensive) |
| CCC | 2M words |
| | free (to academics) |

Table 1: The caption of the table

[1]Footnote text

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## 3 Section

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## 5 Conclusions

Concluding text.

## References

Kay, M. (1986). Parsing in functional unification grammar. In Grosz, B. J., Spärck Jones, K., and Webber, B. L., editors, *Readings in Natural Language Processing*, pages 125–138. Morgan Kaufmann Publishers, Los Altos.

Mosteller, F. and Wallace, D. (1964). *Inference and Disputed Authorship: The Federalist.* Addison-Wesley, Reading, Massachusetts.

Salton, G. (1989). *Automatic Text Processing.* Addison-Wesley.

Spärck Jones, K. (1972). A statistical interpretation of term specificity and its application in retrieval. *Journal of Documentation*, 28(1):11–21.