Using machine learning for Named Entity Recognition

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# Acknowledgements

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# Abstract

# Introduction

According to Chowdhury, G. (2003) Natural Language Processing (NLP) is an area of research and application that explores how computers can be used to understand and manipulate natural language text or speech to do useful things.

NLP is breaking down natural language such as English enabling information to be extracted by machines.

The ability to determine the named entities in a text has been established as an important task for several natural language processing areas, including information retrieval, machine translation, information extraction and language understanding (Cucerzan and Yarowsky, 1999).

Named entity recognition consists of classifying words in text into various categories using several methods.

Several research has been done on Named entity recognition (NER) over the past years.

## Aim

The aim of this dissertation is to acquire information of named entity recognition, developing an application to process and categorise text in the right context using machine learning methods.

## Objective

The objective of this dissertation is to

* Research on Named entity Recognition.
* Develop an application to identify named entities.
* Evaluating and analysing modern general-purpose systems
* Evaluates named entity linking, comparing conventional and recent systems and techniques.
* Examine application to ensure the result is in the right context.
* Test the application on news articles websites.

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## Scope

The scope of this dissertation will be using python programming language. Using NLTK python library.

By reading articles and journals

# Literature review

# Methodology

# Development/Analysis

# Discussion

# Conclusion

# Reference

# Bibliography

# Appendix 1