Project Plan

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Project title: Applying machine learning and deep learning techniques to sarcasm detection

I   OUTLINE

A   Project Description

B   Preliminary Preparations

- Collect and evaluate a selection of datasets
- Produce a literature survey documenting previous research in the domain of sarcasm detection and other text classification tasks
- Identify state-of-the-art (SOTA) techniques
- Gain a high-level overview of tools such as scikit-learn, spaCy, PyTorch and TensorFlow (including the deep learning library Keras)

C   Research Questions

The research questions for this project are as follows:-

- Collect and evaluate a selection of datasets
- Produce a literature survey of research in the domain of NLP text classification
- A high-level overview of scikit-learn, spaCy, PyTorch and TensorFlow (including Keras)

II DELIVERABLES

A *Project Deliverables*

Table 1: List of Basic, Intermediate and Advanced deliverables

Deliverable	Description
Basic	
Objective 1	Description of objective 1
Objective 2	Description of objective 2
Intermediate	
Objective 1	Description of objective 1
Objective 2	Description of objective 2
Advanced	
Objective 1	Description of objective 1
Objective 2	Description of objective 2

B *Project Schedule*

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