# Project 3 - NLP

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**Part 1 - Text Classification**

**1.1**

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**1.2** **Explain why precision and recall metrics are better‬**

This dataset is imbalance in the favor of neutral emotions. In this case, using can be misleading, because a model could achieve accuracy by always predicting “neutral”.

Instead, measures how accurate our positive predictions are, while shows the coverage of actual positive cases from a category.

Together, these metrics provide a more meaningful evaluation of the model's performance across all emotions, not just the dominant neutral class.

**1.3**

**1.4**

**1.5**

**1.6**

**Part 2 - Text summarization**

**2.2**

**2.3**

**2.4**

**2.5**

**Part 3 - Information Retrieval**

**3.1**

**3.2**

**3.3**