



## Review Based Analysis of Mobile Phones

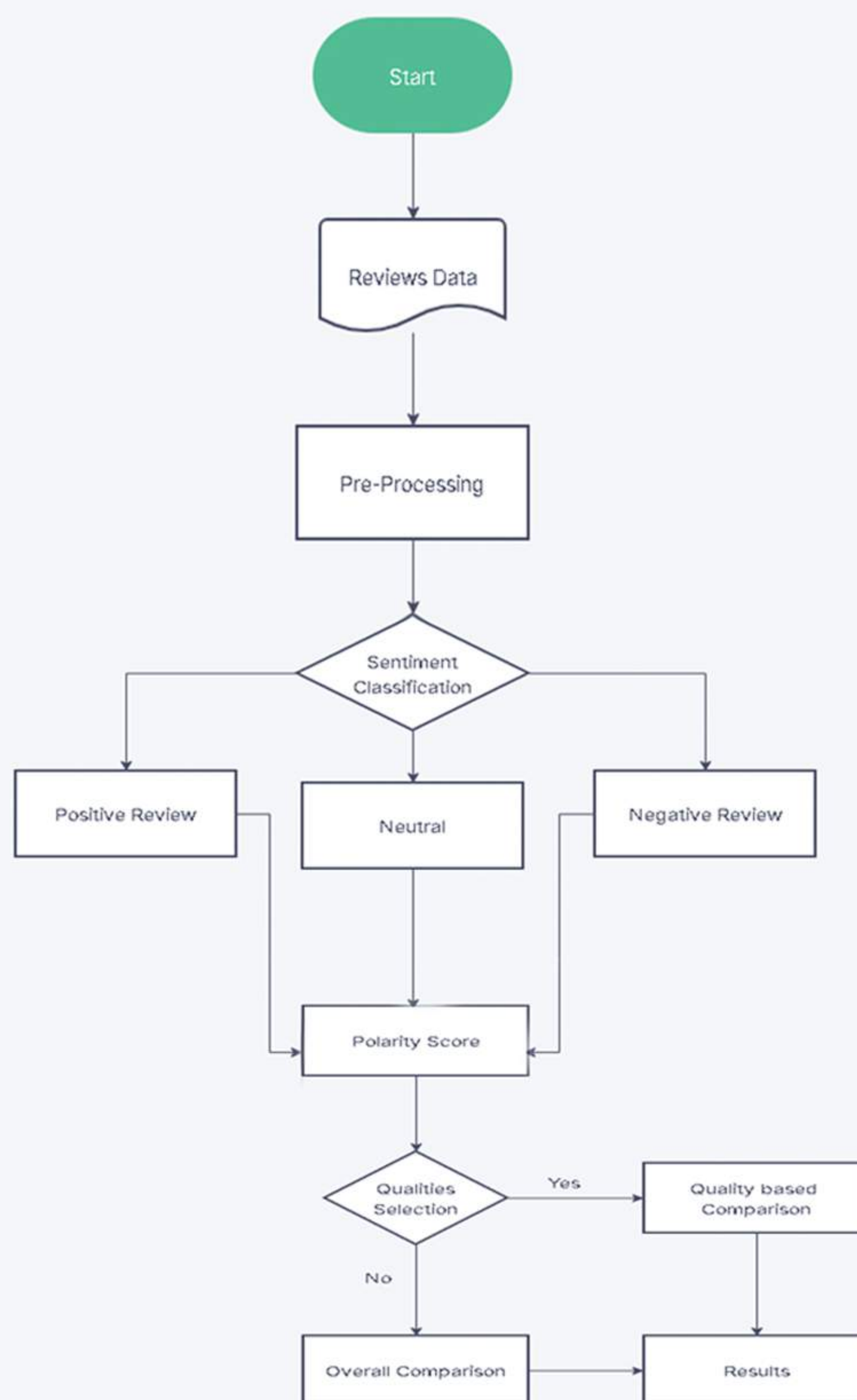
### Introduction

Customer opinions on a product help other customers to choosing a right product. People wish to know about pros and cons of a product before purchasing. This will take more time to get confident on a particular product by analyzing all the aspects. We can automate the reviews analysis to save time and get quick top suggestions on the basis of selected qualities.

### Objective

Main objective of this project is to automate sentiment analysis of mobile phone reviews to save time and get better suggestions for mobile phones based on selected qualities.

### Flow Chart



### Tools used

- ❖ Python
- ❖ Flask
- ❖ React
- ❖ Numpy
- ❖ TextBlob
- ❖ NLTK
- ❖ sklearn

### Future Scope

In Future, it would be interesting to perform further analysis based on the brands and added qualities. We can also look at building a model to predict the helpfulness of the review or extracting the top products of each brand. Fake reviews detection can be done in future work.

### Group Members

Muhammad Suleman P17-6147  
Asjid Ahmed P17-6124

### Supervisor

Zeshan Khan