

LINFO1104: Twit-Oz

1 Introduction

Twit-Oz is a simple tweet predictor based on a set of given data. Given a certain input, it will try to complete it with the most probable following words. In this report, we will explain all implemented extensions available in our program.

2 Implemented Extensions

2.1 Generalization of the n -gram formula ★★

A crucial aspect of this system is to have the as much accuracy as possible for the predictions. In order to do that, we start by attempting a search through a n -gram (n is configurable, and is equal to 3 by default). If no result is found, it will try to find one using the $n - 1$ -gram, and so on. We implemented this feature in such a way that it is both fast when building the n -grams and fast when querying them.

2.2 History ★★

A practical feature in such a system is to keep a history. Every time the user enters a new input and ask for prediction, his input is stored in a separated file. When loading the app, this file is read and all saved inputs are displayed.

2.3 Improve the existing GUI ★

In order to make the user experience as best as possible, we made the app look fancier. It also looks like ChatGPT which is user-friendly and familiar to users.