

Cloud Computing

Unit :: Project 4

MapReduce

Input Text Predictor:
NGram GenerationInput Text Predictor:
Language Model and User
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Input Text Predictor

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For this project, we will be building our own input text predictor, similar to ones you may have seen in [Google Instant](#). We will build this input text predictor from a text corpus.

The steps involved in building this input text predictor are:

- Generate a list of **n-grams**, which is simply a list of phrases in a text corpus with their corresponding counts.
- Generate a **statistical language model** using the n-grams. The statistical language model contains the probability of a word appearing after a phrase.
- Create a **user interface** for the input text predictor, so that when a word or phrase is typed, the next word can be predicted and displayed to the user using the statistical language model.

We'll start the project by generating n-grams from a text corpus for this module. The second and third tasks above will be in later modules of this project. Click through when you are ready to begin.

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