

Predictive Text Suggestion

[Suggestion](#) [About](#) [Background](#)

Corpus source

☒ Default

☐ Upload a file to build your model

As you type text, you see predictions for your next word.

Maximum number of suggestion

40

☒ Auto-Suggestion

Suggest

Reset

Report a bug or view the source.

Suggestion in Wordcloud

Suggestion in Barchart

For Fun

More Model Examples

is one of the best thanks for the shout out
its going to be a to be a part of
at the time of the for the rest of the
i love you so much for the first time in
in the middle of the
the end of the day
in the middle of a by the end of the
at the top of the is going to be a the end of the year
but at the same time

Text Suggestion Presentation

<https://cwl286.shinyapps.io/TextSuggestion/>

cwl

Introduction

Objective

- Build a predictive model of English text
- Develop an interface for our model via a Shiny application.
- When a user type text, he can see predictions for his next word

Background

- Final task in the [Data Science Capstone](#) to create a usable data product

Data

- Provided by the [Data Science Capstone](#)
- en_US.blogs.txt, en_US.news.txt, en_US.twitter.txt

Model

- Apply [N-gram](#) to build our model
- (N-gram: a contiguous sequence of n items from a given sample of text)

Preprocessing

- Remove URLs
- Remove punctuation
- Remove numbers
- Remove English stopwords
- Remove special characters

N-gram

- Train Bigram, Trigram, 5-grams and 7-gram

Application Features

- Automatic suggestion
- Build your own model
- Generate “composition”
- Interactive selection
- Suggestion visualization

How to use

- Type a text for suggestions for the next word. Suggested words are in the Wordcloud and the bar chart.
- Click the word cloud and the bar chart as an input
- Suggestions are automatically updated if Auto-Suggestion is selected
- Can build your model by uploading a text file.
- After you built your model, you can select to use our default model or your prediction model.
- Our application can generate an English-like composition based on your input.

Further Information

- Shiny application: [Text Suggestion](#)
- View [Source](#)
- View course information ([Data Science Capstone](#))
- Report [bug](#)

[on in Wordcloud](#)[Suggestion in Barchart](#)[For Fun](#)[More Model Examples](#)

Top suggestion

at the end of the
the middle of the
or the first time in
ne end of the day
by the end of the
or the rest of the
its going to be a
you so much for
is going to be a
there are a lot of
i cant wait to see
it wait to see you
to be a part of
nothers day to all
s one of the most

(1271, by the end of the)

Corpus source

☐ Default

☒ Upload a file to build your model

Select an English text file (Max. 1Mb)

Browse... No file selected

As you type text, you see predictions fo