

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 Bar chart 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

by the end of the

at the top of the is going to be a

but at the same time

to be one of the

at the bottom of the

the end of the year

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

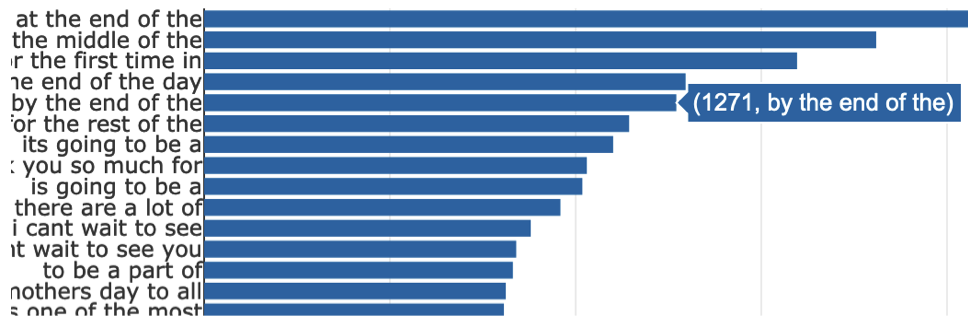
- Train Bigram, Trigram, 5-grams and 7-gram

Application Features

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

[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
for 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

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

Futher Information

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