

GOOGLE COLAB EXAMPLE DLA

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Thank you for joining me on this quick little journey to explore word frequencies using Google Colab. I hope that this step-by-step guide will help you continue to follow along should you fall behind during the presentation.

- (1) Begin by downloading the necessary files from the shared folder:

<https://tinyurl.com/y6qpxhng>

You will need two files:

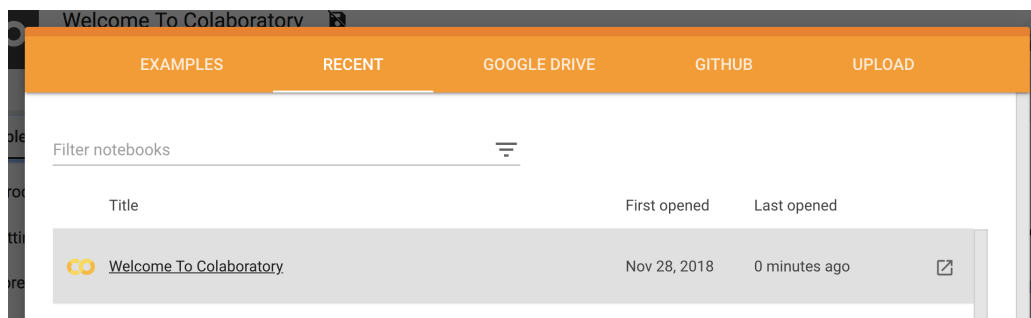
- ColabExample_DLA.ipynb
- JA_all.txt

I recommend that you download them and put them on your desktop so that they are easy to find!

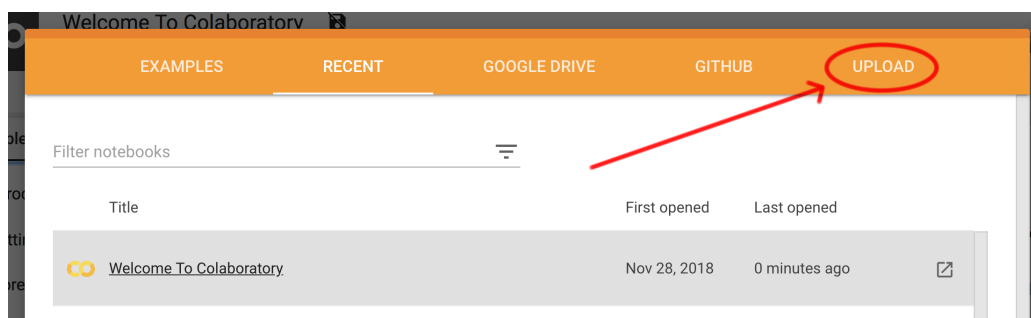
- (2) We need to upload one of these files to Google Colab, so first we have to open Colab in the cloud. Please click (or go to) the following address:

<https://colab.research.google.com>

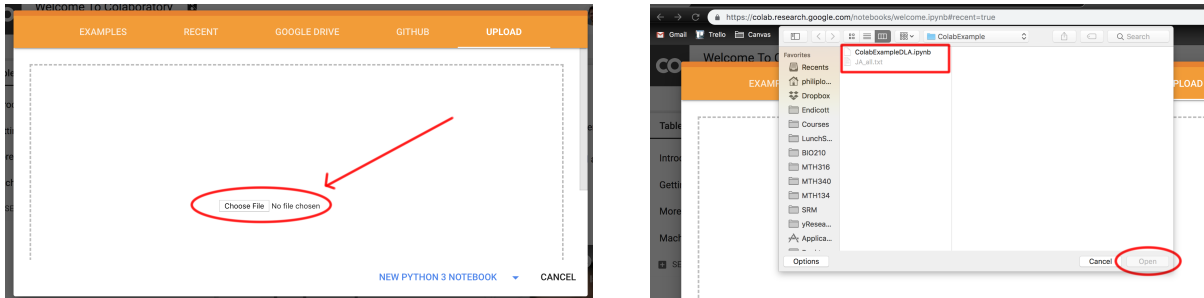
You should see



- (3) Next we want to upload the file ColabExample_DLA.ipynb. To do this, click the UPLOAD option in the upper right:



Now choose the file and find it on your desktop:



- (4) This will require a short amount of time to upload the document and to start the server that supports the notebook, but soon you should see:

ColabExampleDLA.ipynb

File Edit View Insert Runtime Tools Help

CODE TEXT CELL CELL

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Random Variables and Word Counts in Books

First we load some packages and some "cleaning" functions thanks to our own Hank Feild in the C.S. department.

Running the cell below will let you select a text file from your local drive.

See the name of the file you just uploaded? Enter that in the quotes below!

Choose your Window length below.

Choose words to count below:

Random Variables and Word Counts in Books

First we load some packages and some "cleaning" functions thanks to our own Hank Feild in the C.S. department.

```
[ ] import re
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
from scipy.stats import poisson, norm, uniform, chisquare

def text_to_words(filename):
    '''
    Reads in the file specified by filename and extracts all the wo
```

- (5) The rest of the directions *are in the notebook!* Pretty cool, right?