

Summer 2020

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Programming HW 5 (Image Captioning)

Re-submit Assignment

Due Wednesday by 11:59pm **Points** 100 **Submitting** a file upload **File Types** pdf

Available until Jul 9 at 11:59am

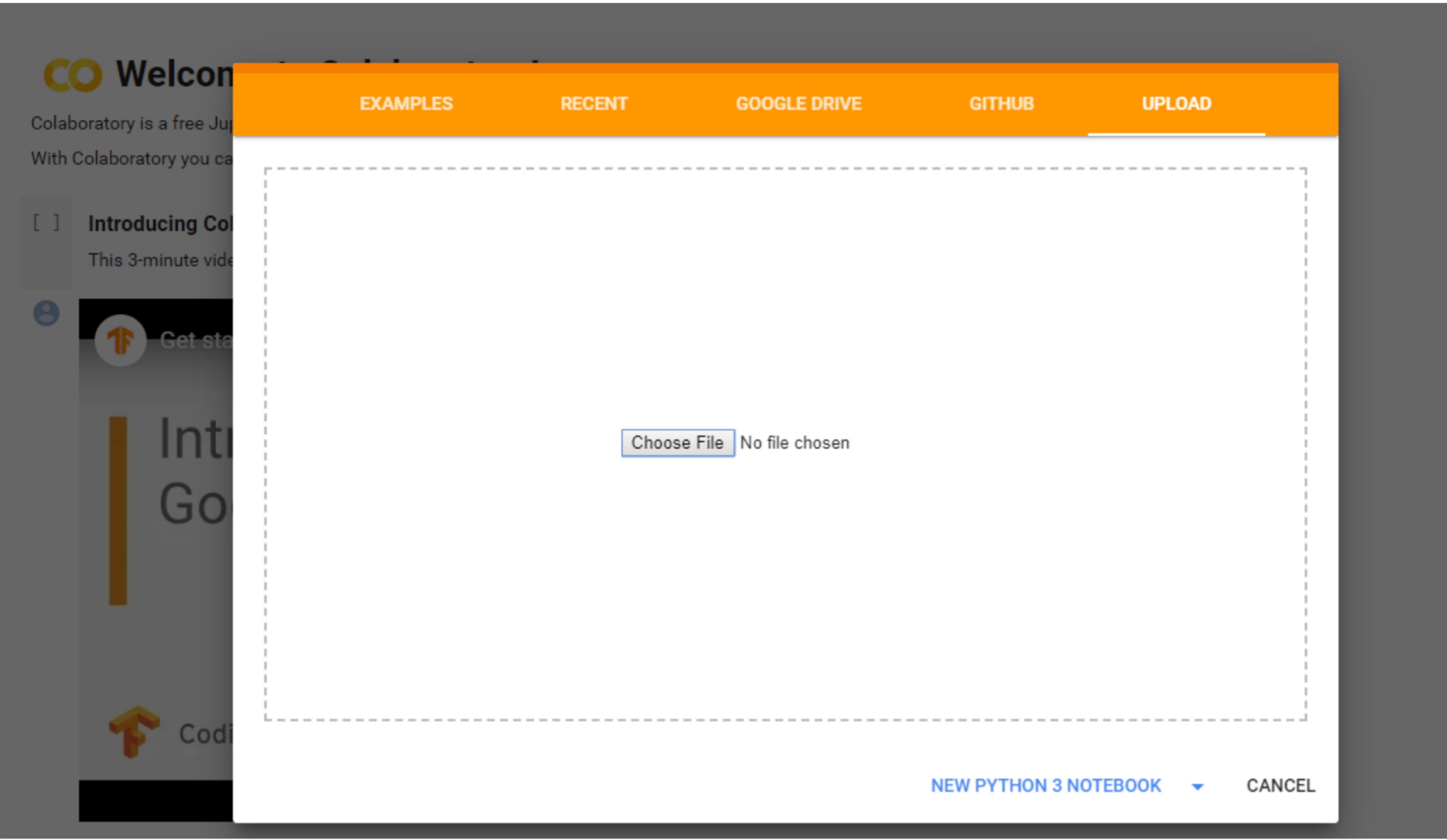
Homework 5 - Image Captioning Using a Conditioned RNN Generator (100 pts)

This homework has no analytical, just a programming part. This programming part consists of completing an existing notebook and run it on Google Colab while using data stored in Google Drive.

All of the instructions are in the file [flickr_caption_generator.ipynb](#).

Step 1: access your colab account at <https://colab.research.google.com/> and upload the flick_caption_generator.ipynb file by using selecting the 'upload' folder and then 'Choose file'

Ideally, make sure that you are logged in using your Columbia UNI, not your personal gmail account.



Step 2: When the notebook is uploaded click on '**File**' in the menu and then '**Rename**' and rename the file as '**firstname_lastname_youruni_homework4**', for example my uni is **db2711** so I renamed it as '**daniel_bauer_db2711_homework4**'

Step 3: Click on 'Runtime' in the menu and then '**Change runtime type**' and select '**GPU**' as a value for 'Hardware accelerator'. Also make sure the checkbox '**Omit code cell output when saving this notebook**' is ***NOT* selected** (see step 5 for reason). You can also postpone this step until you actually need the GPU.

Step 4: Follow the instructions on the notebook. The parts where you'll need to contribute are the '**todo**' parts

Step 5 *SUBMISSION INSTRUCTIONS PART 1*: When you are done with the homework, make sure that you can see the output of every cell and then share your notebook with me and all the TAs (see emails below). The reason we need you to run all cells in the notebook before you share is that so we can see the output exactly as you saw it. Neural models tend to get different outputs when the models are retrained. Just in case, we want to see the outcome as you saw it before we decide whether or not we want to rerun some of your notebook cells.

Please use the share functionality in Colab. Do not email us your notebook. The emails you need to share your notebook with are:

db2711@columbia.edu, hj2368@columbia.edu, tal2150@columbia.edu,
rw2653@columbia.edu, jc4686@columbia.edu, lz2527@columbia.edu

Step 6 *SUBMISSION INSTRUCTIONS PART 2*: Upload a PDF version of your notebook to Courseworks as a submission for this assignment. To get the PDF version from Colab, just use Print from your browser and then save as PDF.

Have fun!

Submission

✓ **Submitted!**
Jul 6 at 7:25pm
[Submission Details](#)
[Download](#)
[Jie_An_ja3375_homework5.pdf](#)

Comments:
No Comments