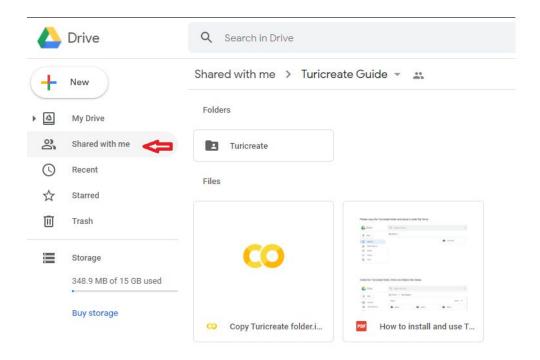
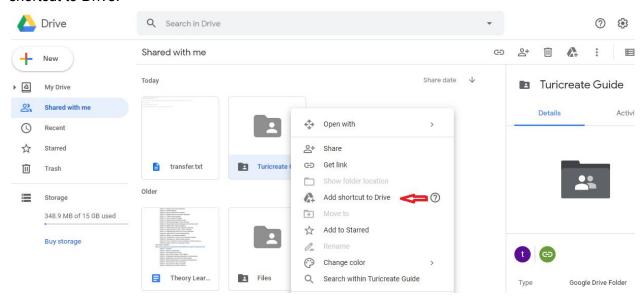
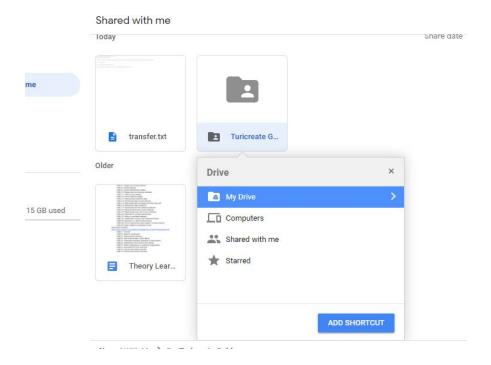
Please click Shared with me.



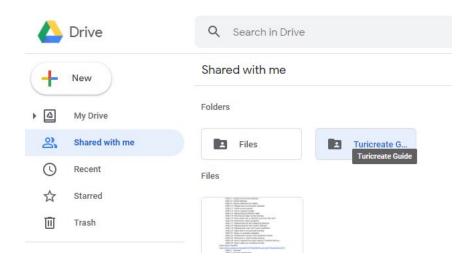
Inside Shared with me folder, please right click on Turicreate Guide folder and click Add shortcut to Drive.



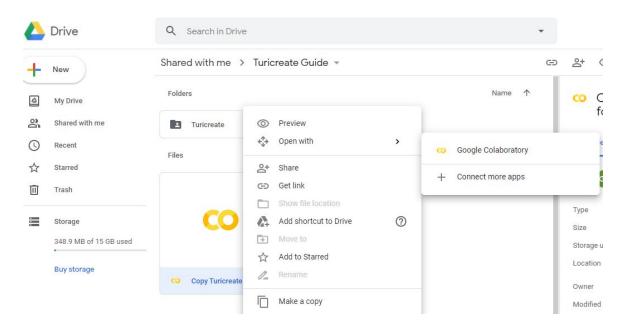
Please select My Drive and click ADD SHORTCUT.



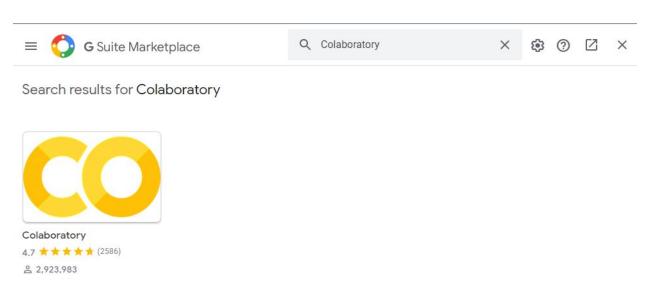
Double click on Turicreate Guide folder.



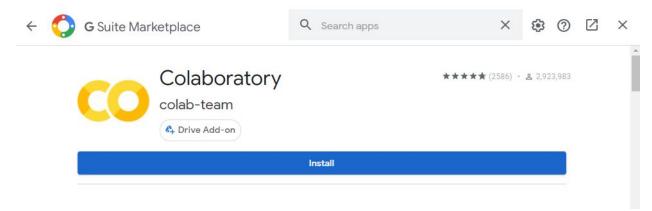
Right click on Copy Turicreate folder.ipnb file, go to Open with and select Google Colaboratory. If there is no Google Colaboratory, please click on Connect more apps.



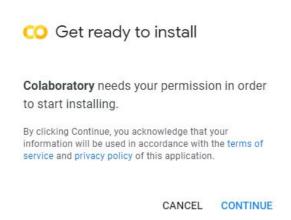
Please search Colaboratory and click on Colaboratory.



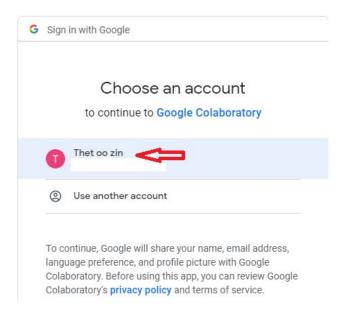
Please click install.



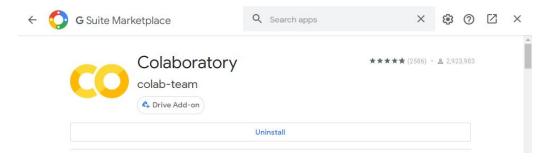
Please click continue.



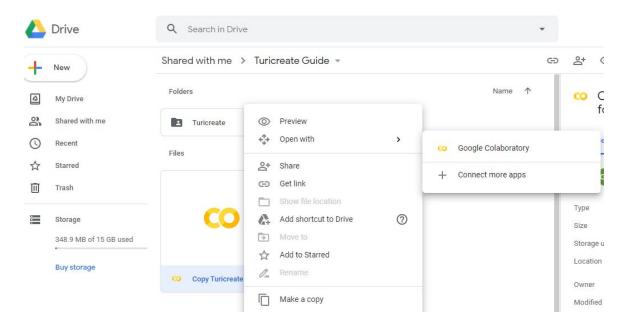
Please select own account.



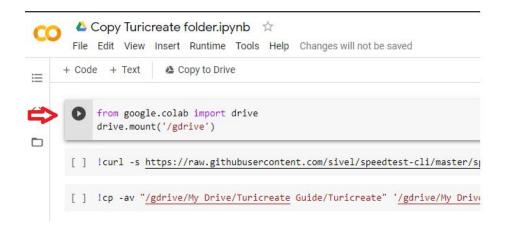
Please click OK, Done and close G Suite Marketplace.



Right click on Copy Turicreate folder file, go to Open with and select Google Colaboratory.



Please click that symbol to run the first line.



Please click RUN ANYWAY

Warning: This notebook was not authored by Google.

This notebook was authored by **jmail.com*. It may request access to your data stored with Google, or read data and credentials from other sessions. Please review the source code before executing this notebook. Please contact the creator of this notebook at thetoozin@gmail.com with any additional questions.

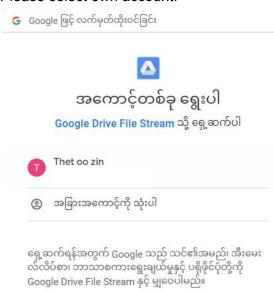
CANCEL

RUN ANYWAY

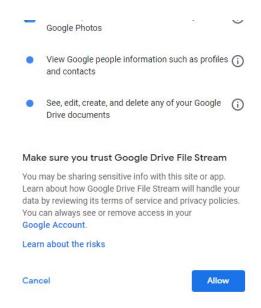
Please click on url.



Please select own account.



Please click Allow.



Please click to copy the code.



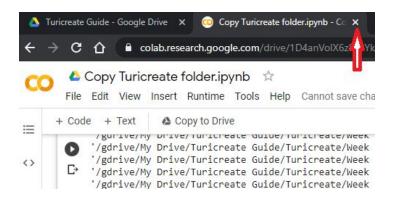
Please go back to Colab, paste the code and press Enter.



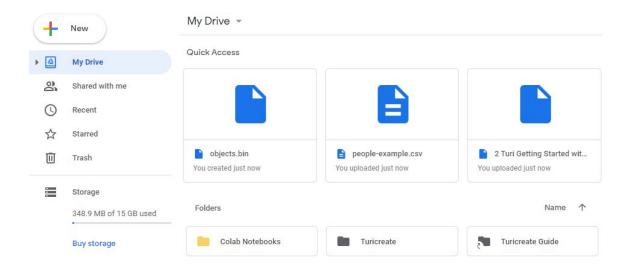
Please click to run the second line and third line.

```
| curl -s https://raw.githubusercontent.com/sivel/speedtest-cli/master/speedtest.py | python -
Retrieving speedtest.net configuration...
   Testing from Google Cloud (104.199.228.42)...
   Retrieving speedtest.net server list...
   Selecting best server based on ping...
   Hosted by Chunghwa Mobile (Taipei) [1.62 km]: 6.581 ms
   Testing download speed.....
   Download: 2045.90 Mbit/s
   Testing upload speed.....
   Upload: 582.37 Mbit/s
    !cp -av "/gdrive/My Drive/Turicreate Guide/Turicreate" '/gdrive/My
    '/gdrive/My Drive/Turicreate Guide/Turicreate' -> '/gdrive/My Drive
    '/gdrive/My Drive/Turicreate Guide/Turicreate/Week 1' -> '/gdrive/M
    '/gdrive/My Drive/Turicreate Guide/Turicreate/Week 1/people-example
    '/gdrive/My Drive/Turicreate Guide/Turicreate/Week 1/people wiki.sf
    '/gdrive/My Drive/Turicreate Guide/Turicreate/Week 1/people_wiki.sf
    '/gdrive/My Drive/Turicreate Guide/Turicreate/Week 1/people_wiki.sf
```

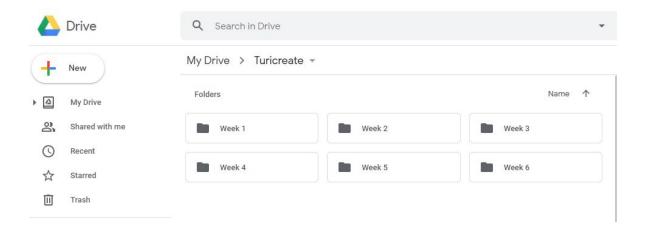
After copying the files, please close the tab and go back to Google Drive.



Please select My Drive and double click on Turicreate folder.



Inside the Turicreate folder, there are folders like below.



Q Search in Drive Drive My Drive > Turicreate > Week 1 -Folders Name 1 Δ My Drive Data folder 8 Shared with me people_wiki.sframe (1) Recent Notebook file Files 公 Starred Trash : Storage 8.5 GB of 15 GB used

Inside the Week 1 folder, there are data folder, Notebook file and csv file.

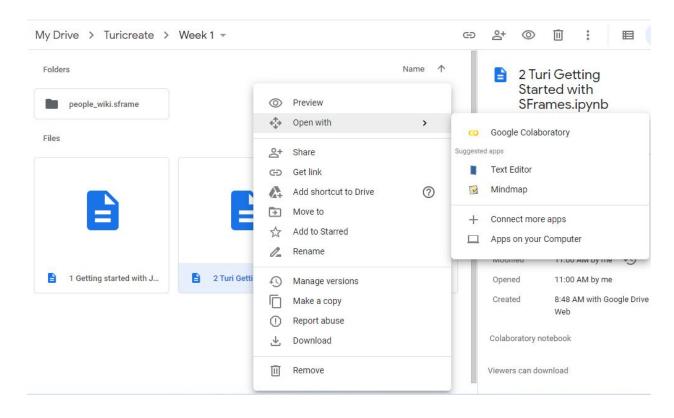
1 Getting started with J...

Buy storage

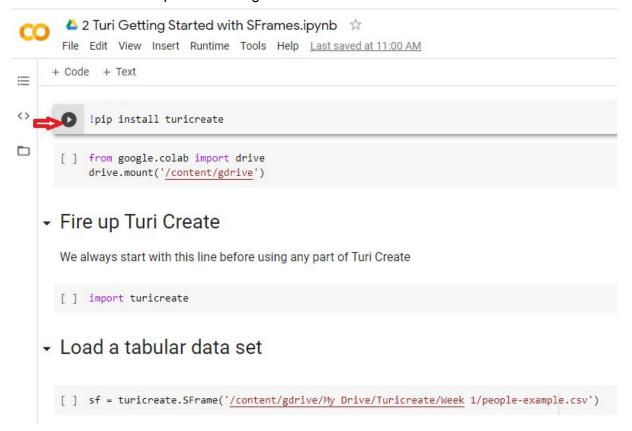
To open the notebook file, please right click on 2 Turi Getting Started with SFrames.ipynb file and go to Open with and click Google Colaboratory. For 1 Getting started with Jupyter Notebook.ipynb, it is the same process which does not need to install turicreate and can run line by line.

2 Turi Getting Started w...

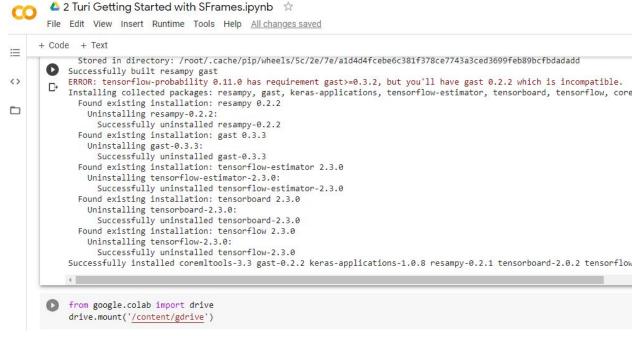
people-example.csv



The notebook file was opened in Google Colab.

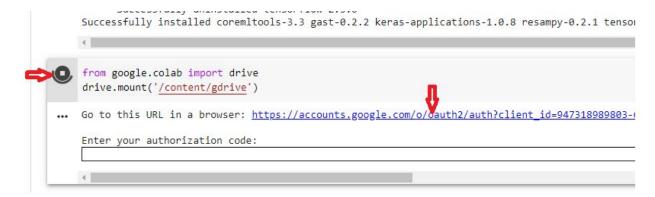


Click that symbol to run the first line (to install turicreate in Google Colab).



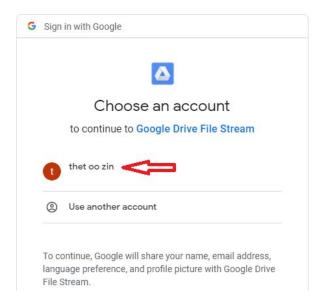
The installation is finished and there is 1 error but it is OK to use turicreate.

Please run the second line (to mount the data folder or csv file).

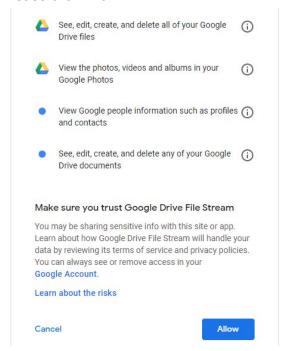


Please click on the url.

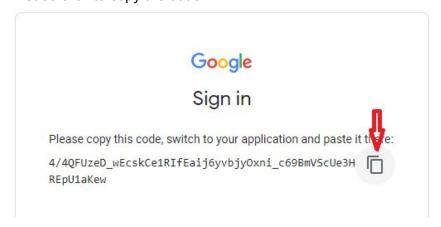
Please select own account.



Please click Allow.



Please click to copy the code.



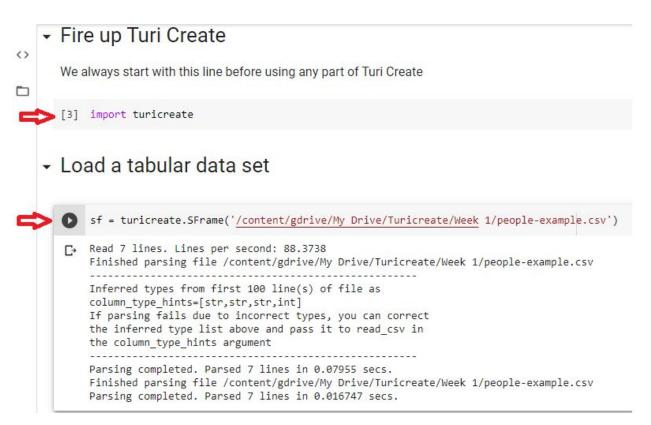
Please go back to Google Colab and paste the code and press Enter.



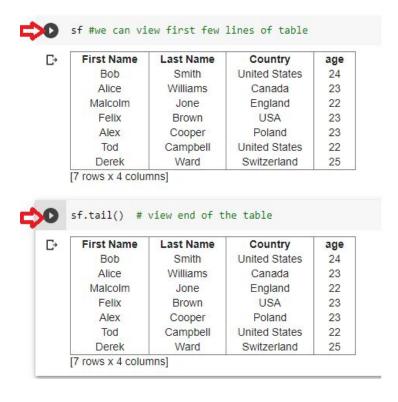
Google Drive is mounted to Colab.



Import turiceate and read the csv file to sf.



Please run the remaining lines.

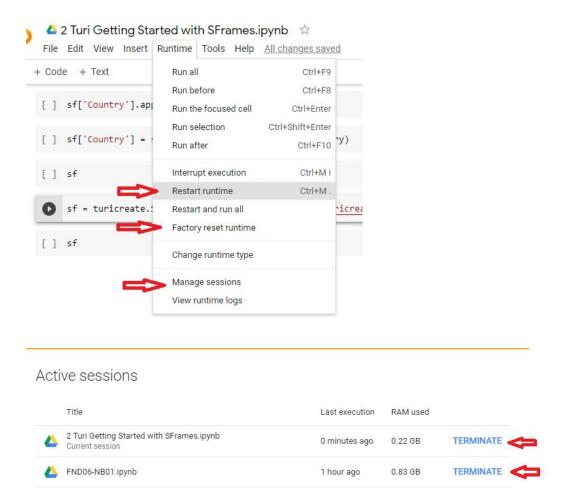


If the data is from data folder, we only need to change the file name (people_wiki.sframe instead of csv file). We can also change the location of Turicreate folder.

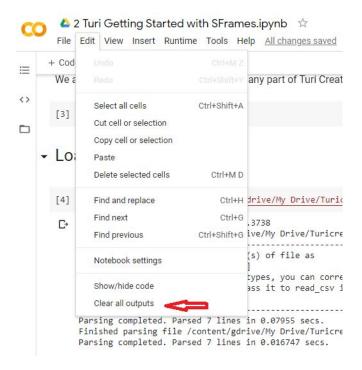


So, there is no problem to run other lines. We can do the exercises from week folders. It is easy to install and use turicreate in Google Colab and no need to install it on our own computer.

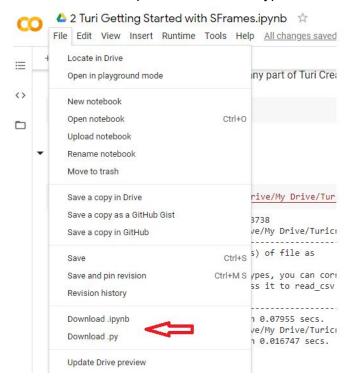
If there is an error about runtime, please choose Restart runtime or Factory reset runtime. If there are a lot of sessions, please choose Manage sessions and terminate the active sessions.



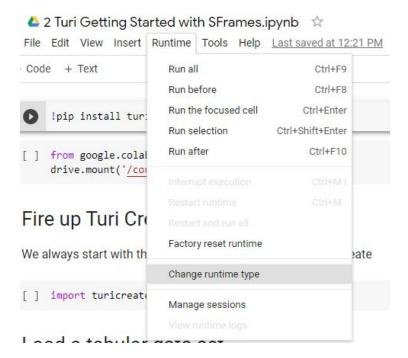
Want to clear the output, please choose Clear all outputs.



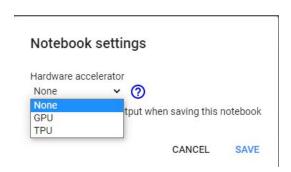
Want to download, please choose the type and download.



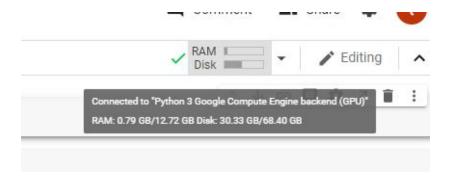
For machine learning training or to do something, we need good computer with GPU. GPU has more cores than CPU. If we want to use GPU or TPU, click on Change runtime type.



Please select one we want and click SAVE.



With GPU, we can use the following specification.



Without GPU or TPU, we can use the following specification.



By using the free version of Google Colab, we can run the session continuously for about 12 hours. So, if our own computer does not have a good GPU or CPU model is low, we can use Colab to train the model.