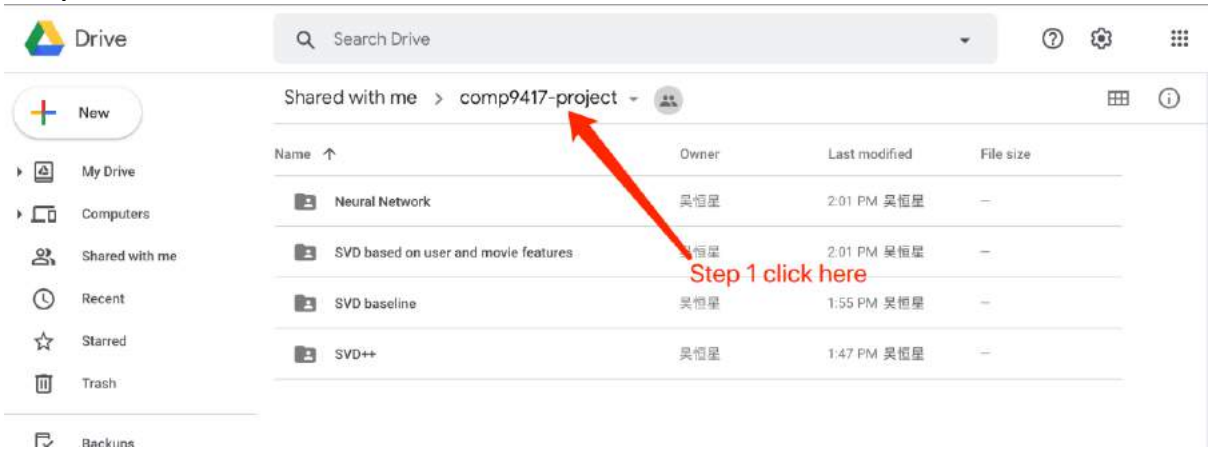
The Instruction of how to run the program on Google Colab

!! Please click the link below and follow the instruction to run our program
Click here to Google drive

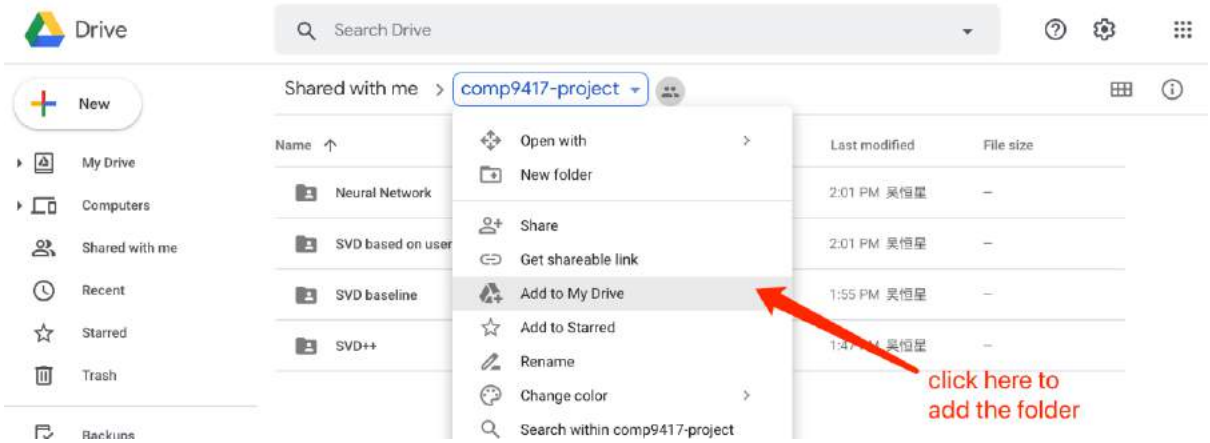
Notice:
The file paths in the code are for running on Google Colab. If you want to run in the local machine, please modify them according to the local file paths.

If you encounter any problems while running the program, please send an email to z5147976@unsw.edu.au

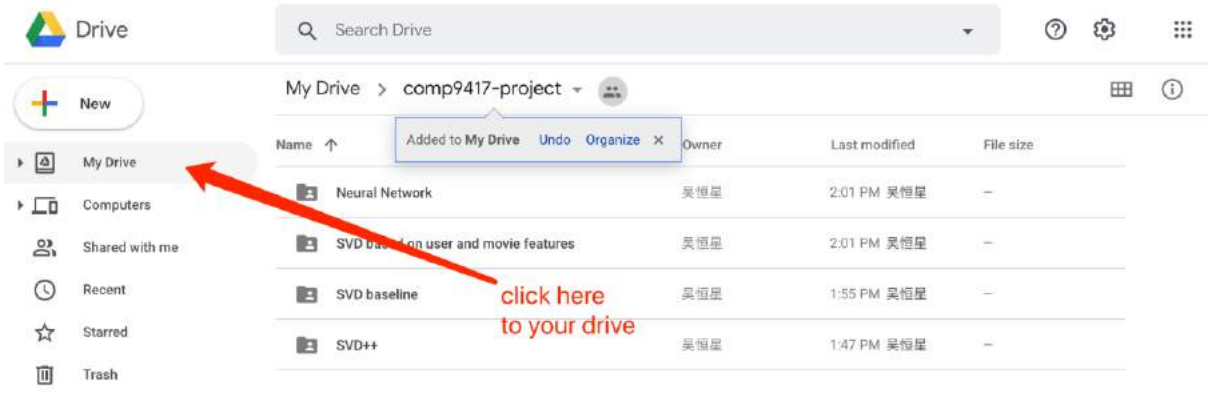
Step:1



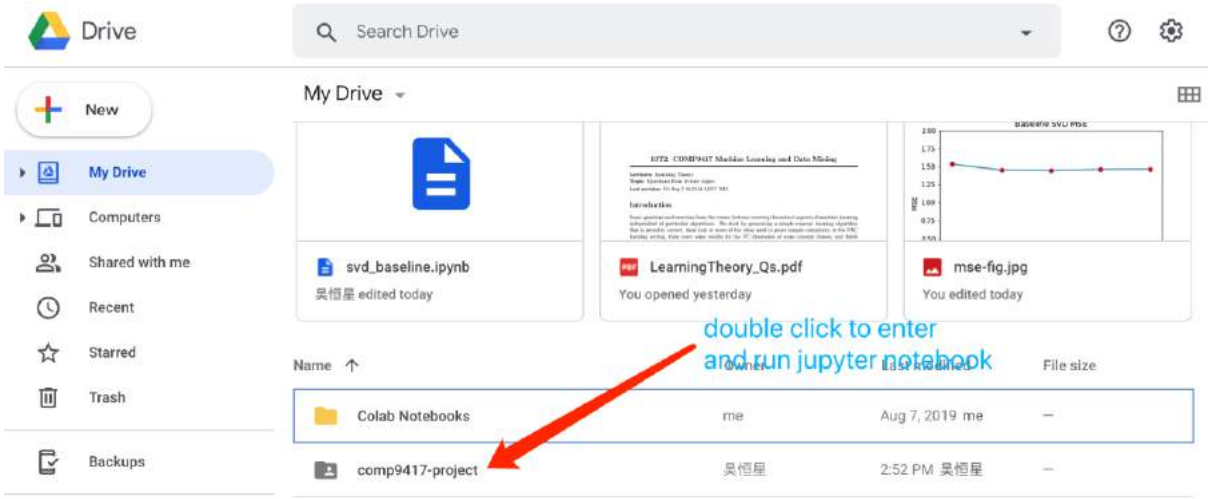
Step:2



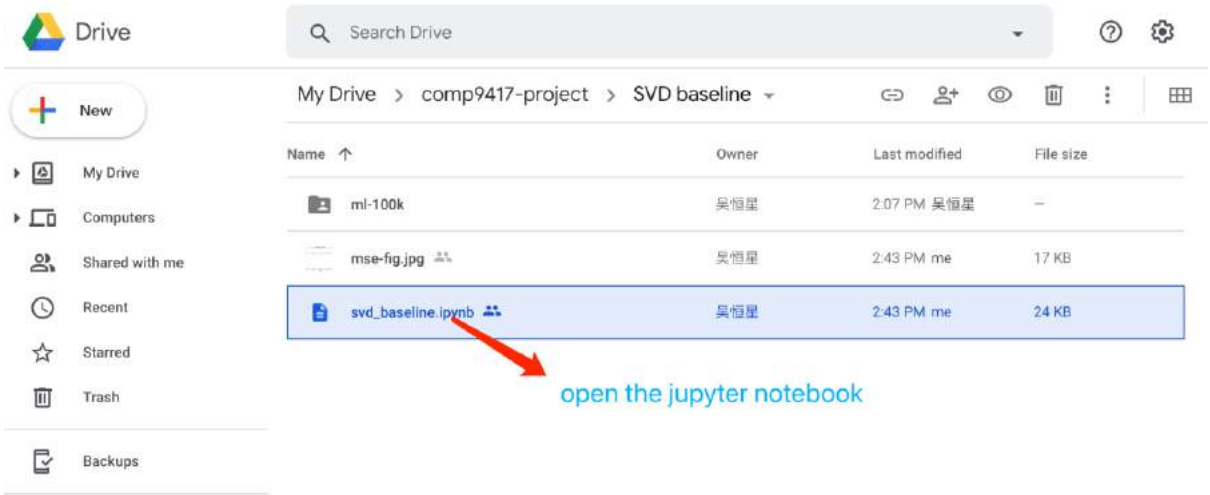
Step:3



Step:4



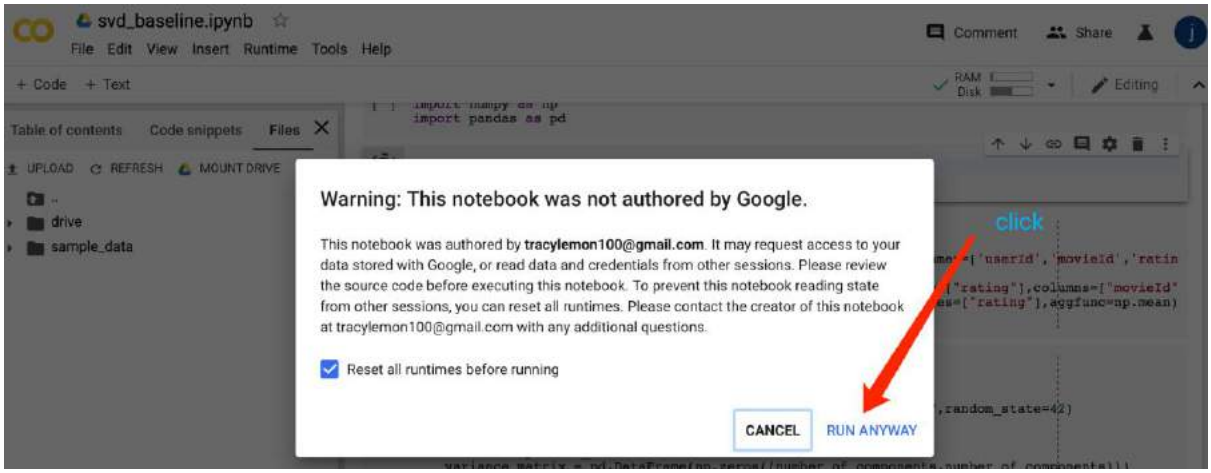
Step:5



Step:6

Step:7

Step:8



Step:9


svd_baseline.ipynb
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Code snippets
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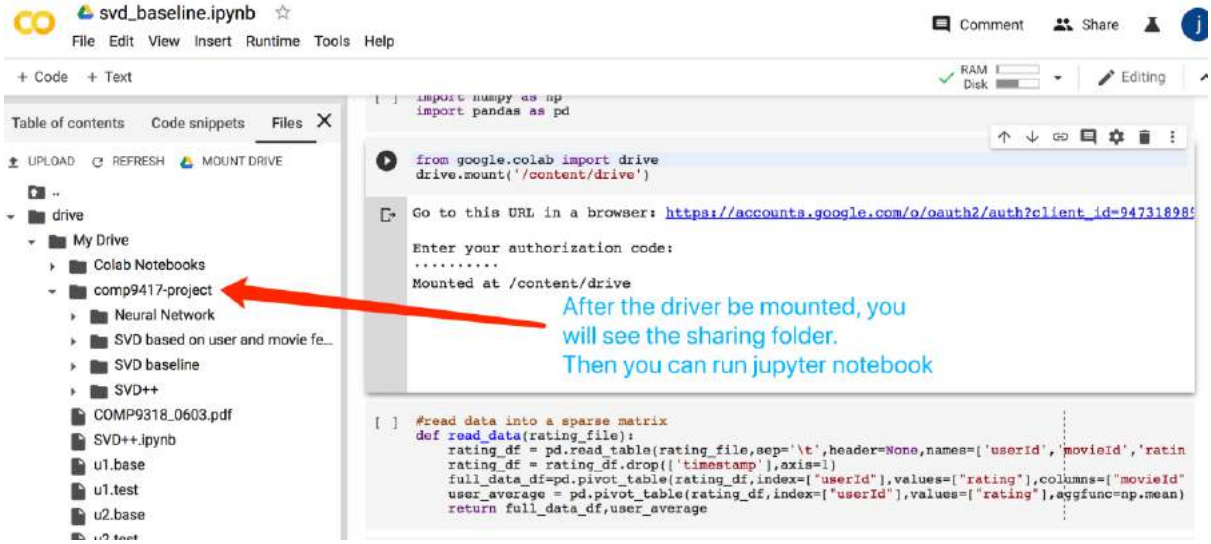
MOUNT DRIVE
sample_data
click the link and
get the authorization code
import pandas as pd
from google.colab import drive
drive.mount('/content/drive')
Go to this URL in a browser: https://accounts.google.com/o/oauth2/auth?client_id=947318989
Enter your authorization code:
paste the code here

Step:10


svd_baseline.ipynb
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COMP9318_0603.pdf
SVD++.ipynb
u1.base
u1.test
u2.base
import pandas as pd
from google.colab import drive
drive.mount('/content/drive')
Go to this URL in a browser: https://accounts.google.com/o/oauth2/auth?client_id=947318989
Enter your authorization code:
Mounted at /content/drive
After the driver be mounted, you
will see the sharing folder.
Then you can run jupyter notebook
#read data into a sparse matrix
def read_data(rating_file):
rating_df = pd.read_table(rating_file,sep='\t',header=None,names=['userId','movieId','ratin
rating_df = rating_df.drop(['timestamp'],axis=1)
full_data_df=pd.pivot_table(rating_df,index=["userId"],values=["rating"],columns=["movieId"
user_average = pd.pivot_table(rating_df,index=["userId"],values=["rating"],aggfunc=np.mean)
return full_data_df,user_average