

BATCH LESSON DATE SUBJECT: **BATCH 150 DATA SCIENCE**

DEEP LEARNING

28.08.2023

Google Colab

techproeducation













CONTENTS

- Opening notebook at Google Colab
- Uploading csv file to Google Colab
- GPU and TPU usage at Google Colab

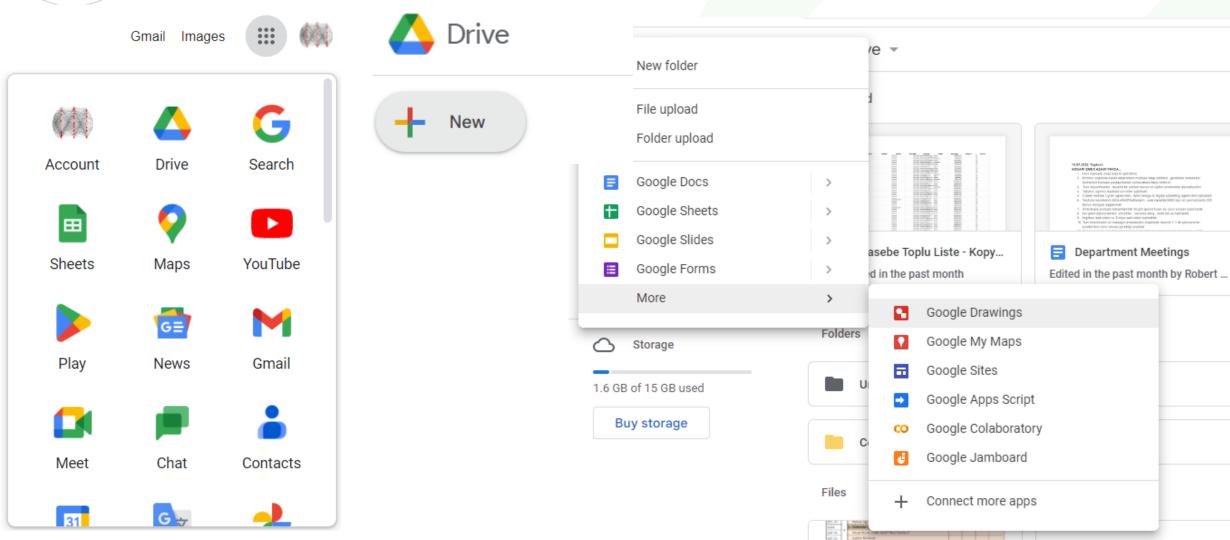


OPENING NOTEBOOK AT GOOGLE COLAB



- Zero configuration required
- Access to GPUs free of charge
- Easy sharing







Ctrl+S

Ctrl+P

Ctrl+M S

Rename Move

Save

Move to trash

Save a copy in Drive

Save a copy in GitHub

Save and pin revision

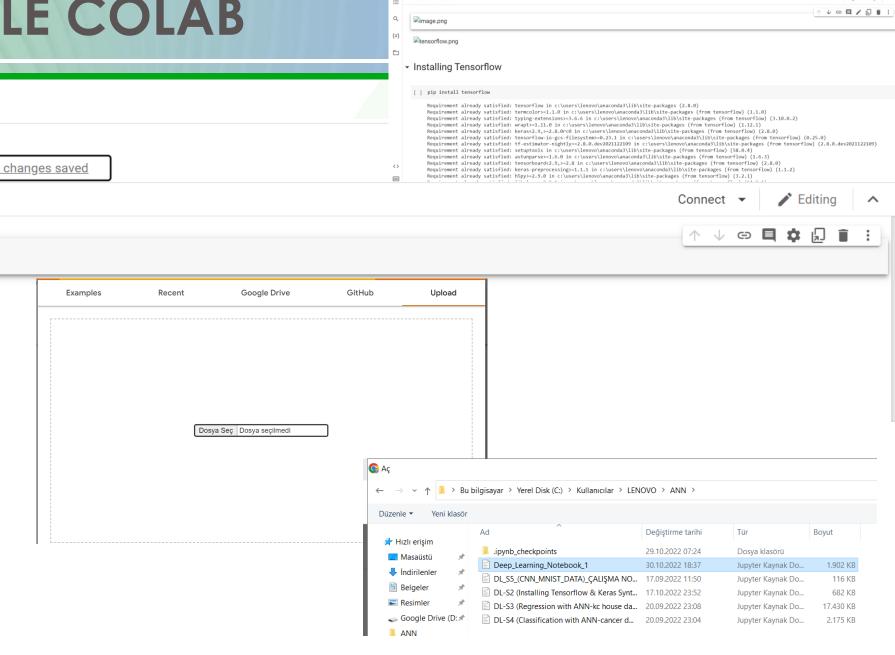
Revision history

Download

Print

<>

Save a copy as a GitHub Gist



Deep_Learning_Notebook_1.ipynb

File Edit View Insert Runtime Tools Help Last saved at 11:31 PM

■ Comment 😃 Share 🌣 🥙



UPLOADING CSV FILES



from google.colab import drive
drive.mount('/content/drive')

Mounted at /content/drive

G Sign in - Google Accounts - Google Chrome accounts.google.com/o/oauth2/v2/auth/oauthchooseaccount?access type=offline&clie.. G Sign in with Google Choose an account to continue to Google Drive for desktop Muslum Yildiz muslumyildiz17@gmail.com Use another account To continue, Google will share your name, email address, language preference, and profile picture with Google Drive for desktop. Before using this app, you can review Google Drive for desktop's privacy policy and terms of service.

Permit this notebook to access your Google Drive files?

This notebook is requesting access to your Google Drive files. Granting access to Google Drive will pe notebook to modify files in your Google Drive. Make sure to review notebook code prior to allowing thi

No thanks



Google Drive for desktop wants to access your Google Account



This will allow Google Drive for desktop to:

- See, edit, create, and delete all of your Google
- View the photos, videos and albums in your Google Photos
- Retrieve Mobile client configuration and experimentation
- View Google people information such as profiles (i) and contacts
- View the activity record of files in your Google
 Orive
- See, edit, create, and delete any of your Google
 Drive documents

Make sure you trust Google Drive for desktop

You may be sharing sensitive info with this site or app. You can always see or remove access in your Google Account.

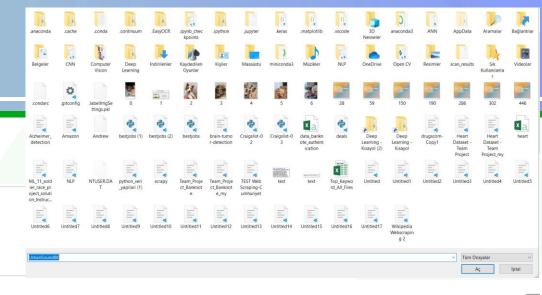
Learn how Google helps you share data safely.

See Google Drive for desktop's **Privacy Policy** and **Terms of Service**.

Cancel

Allow



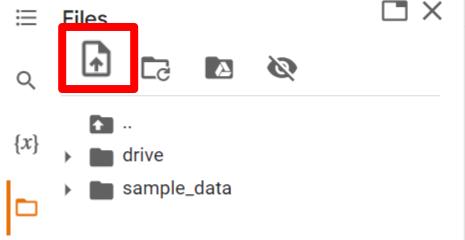


hepsiburada.csv

sample_data



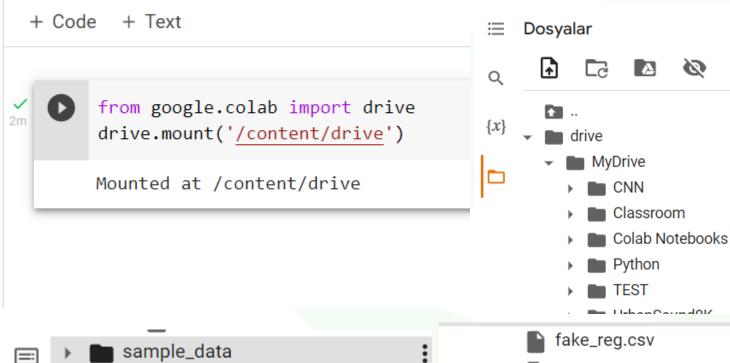
File Edit View Insert Runtime Tools Help All changes saved



Reminder, uploaded files will get deleted when this runtime is recycled.

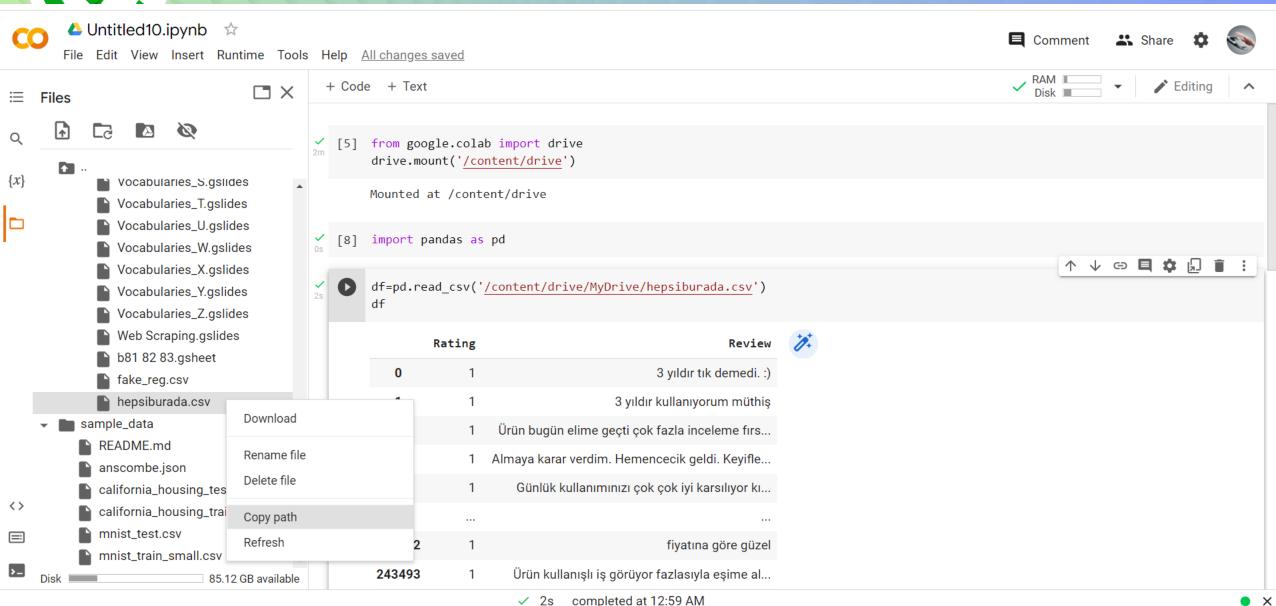
More info

OK



fake_reg.csv







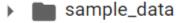
Files











fake_reg.csv

model_fake.h5

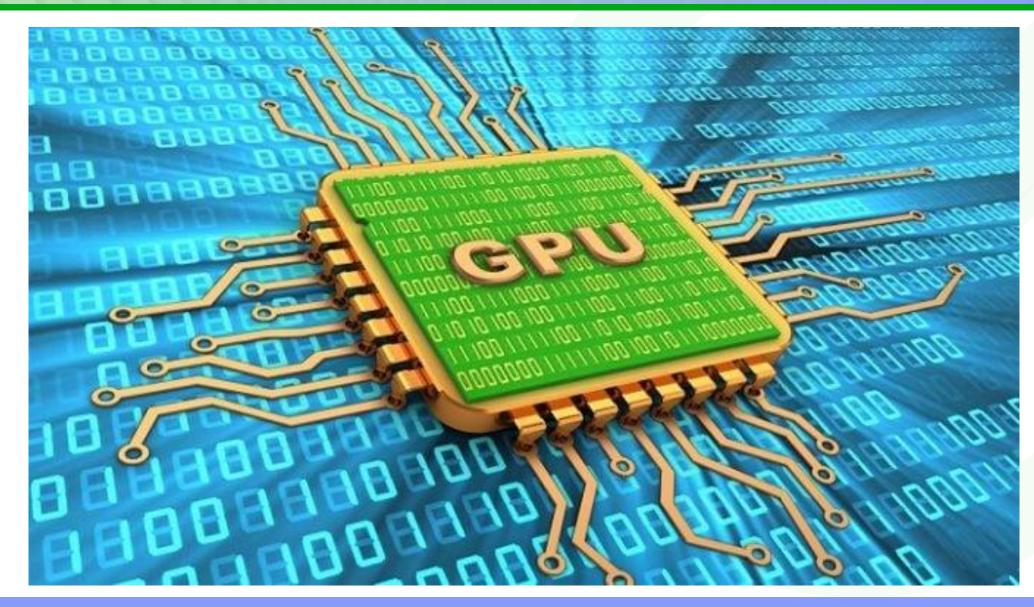
scaler_fake_reg

```
+ Code + Text
      warnings.warn("this will not show")
      plt.rcParams["figure.figsize"] = (10,6)
      sns.set style("whitegrid")
      pd.set option('display.float format', lambda x: '%.3f' % x)
      # Set it None to display all rows in the dataframe
      # pd.set option('display.max rows', None)
      # Set it to None to display all columns in the dataframe
      pd.set option('display.max columns', None)
```

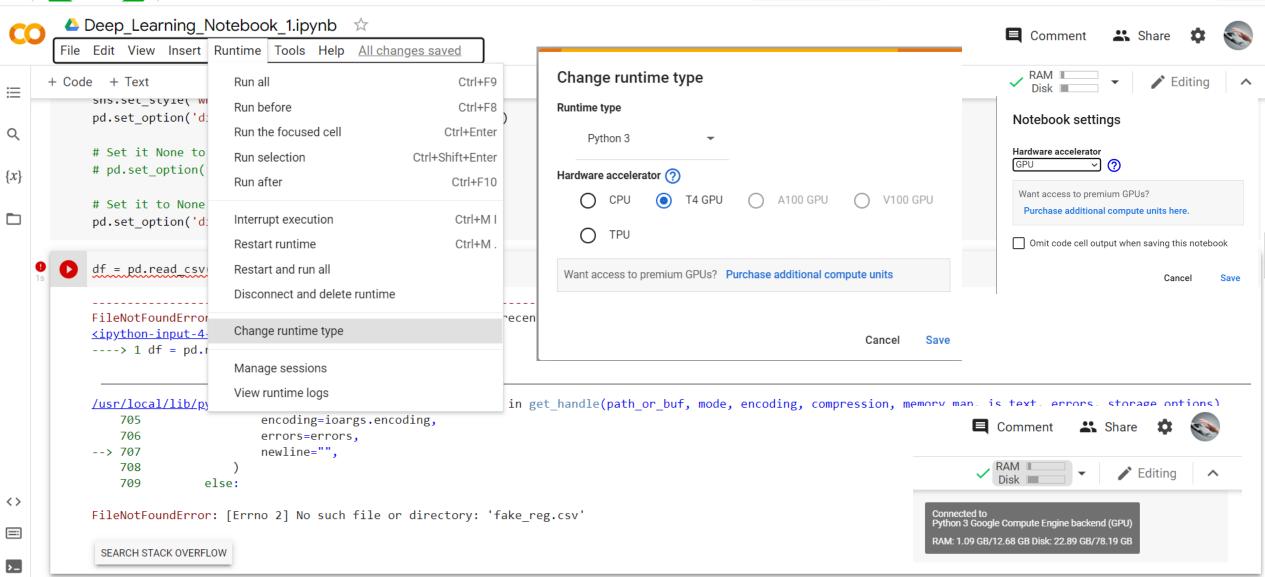
[4] df = pd.read_csv("fake_reg.csv")



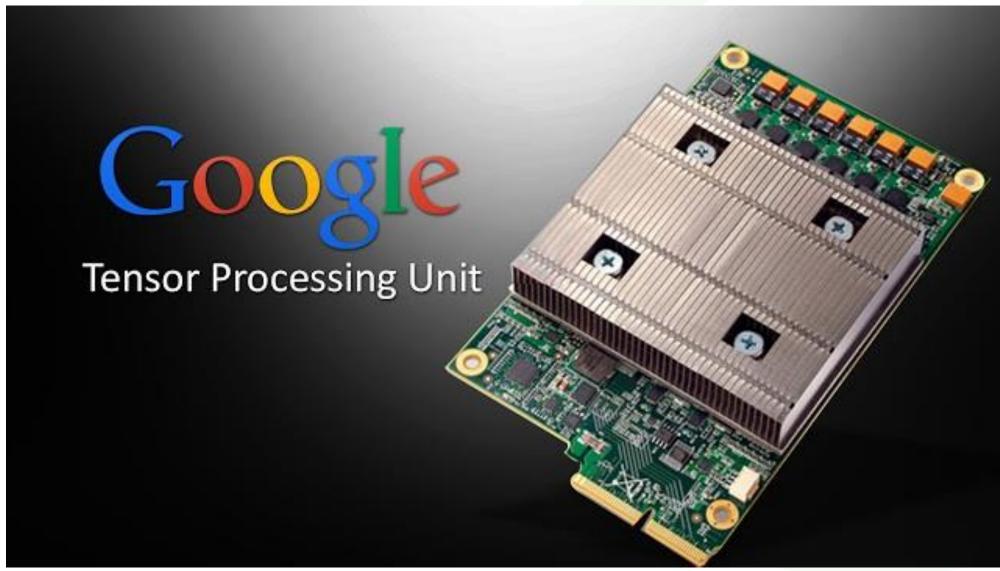




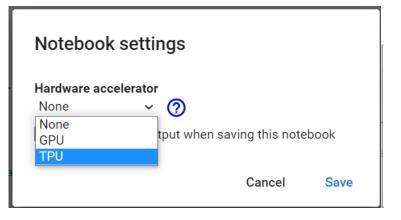








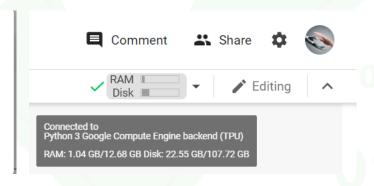




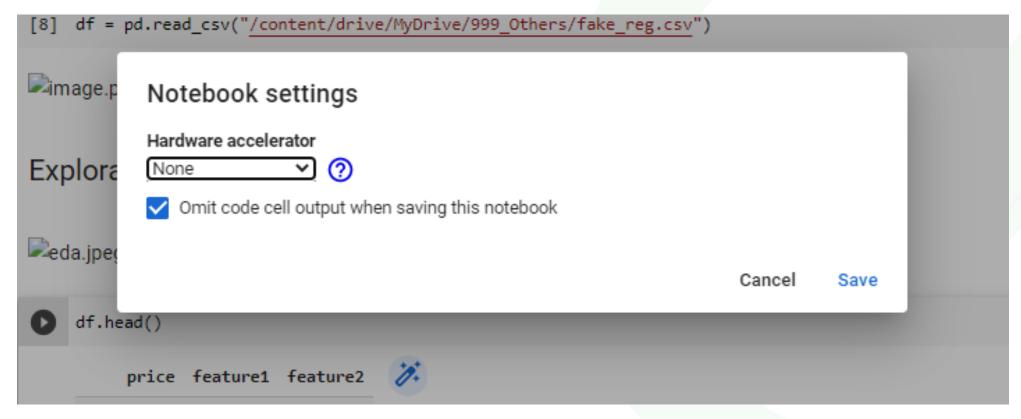
Delete previous runtime

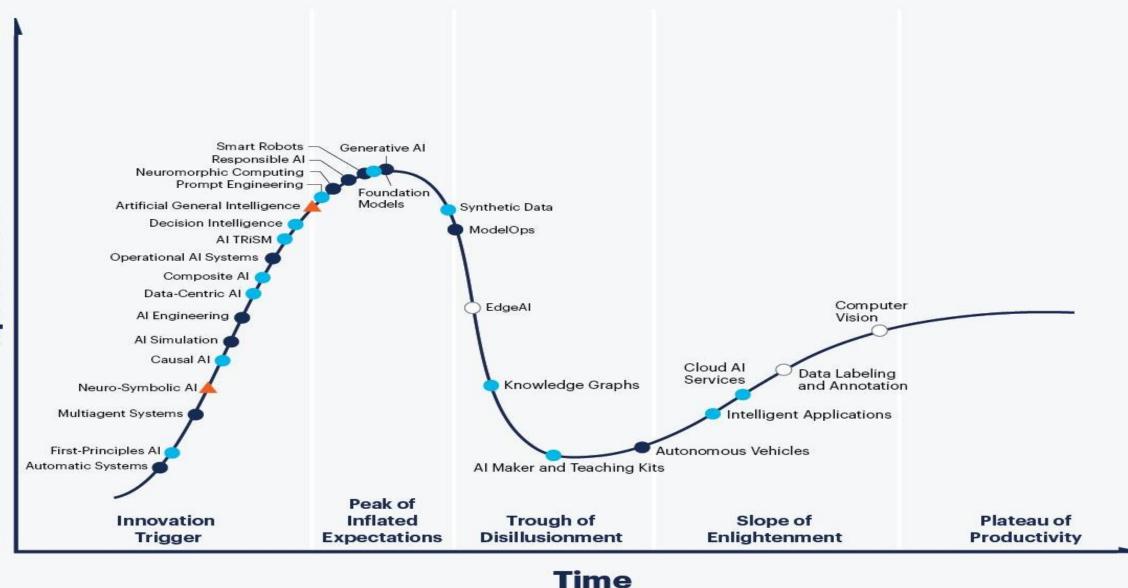
You have connected to a new runtime. Would you like to terminate the previous runtime?

Cancel OK









Plateau will be reached:

less than 2 years

2 to 5 years

5 to 10 years

more than 10 years

Obsolete before plateau

As of July 2023