Runing the code using Kaggle

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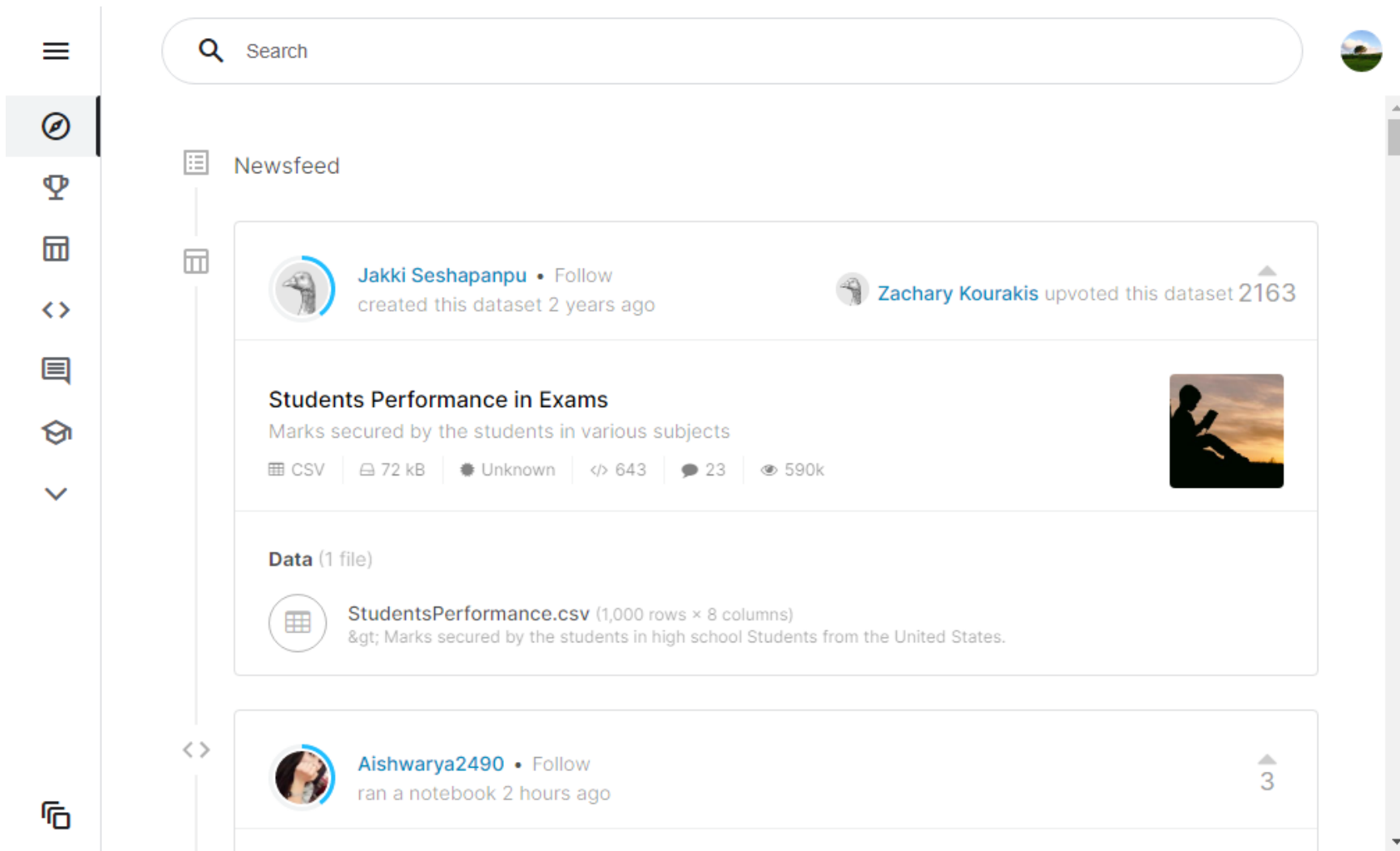
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Code

Explore and run machine learning code with Kaggle Notebooks. Find help in the Documentation.

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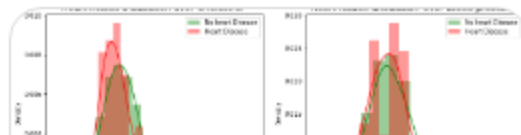Python   R   Beginner   NLP   Finance   Random Forest   GPU   TPU   Competition notebook

〽 Trending   See all (302)

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Run All   ● Draft Session Starting...

Data   + Add data

📁 input

📁 output

▸ 📁 /kaggle/working

+ Code   + Markdown

```python
# This Python 3 environment comes with many helpful analytics li
# It is defined by the kaggle/python Docker image: https://githu
# For example, here's several helpful packages to load

import numpy as np # linear algebra
import pandas as pd # data processing, CSV file I/O (e.g. pd.rea

# Input data files are available in the read-only "../input/" di
# For example, running this (by clicking run or pressing Shift+E

import os
for dirname, _, filenames in os.walk('/kaggle/input'):
    for filename in filenames:
        print(os.path.join(dirname, filename))

# You can write up to 20GB to the current directory (/kaggle/wor
# You can also write temporary files to /kaggle/temp/, but they
```

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+ Code   + Markdown

Console

notebookaf5295d568

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```python
import tensorflow.compat.v1 as tf
tf.disable_v2_behavior()

# (1)1-1/R
#import tensorflow as tf

x_data = [1]
y_data = [1]

W = tf.placeholder(tf.float32)

#----- a neuron
w = tf.Variable(tf.random_normal([1]))
hypo = x_data * W

#----- learning
cost = (hypo - y_data) ** 2

sess = tf.Session()
sess.run(tf.global_variables_initializer())

# Variables for plotting cost function
weights = []
```

Data

- input
- output
  - /kaggle/working

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Console

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+   ▷   ▷▷   Run All   ● Draft Session (1m)   H D D   C P U   R A M   ⏻   ↻   ⋮

Data   + Add data

📁 input

📁 output

▶ 📁 /kaggle/working

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```python
# (1)1-1/R
#import tensorflow as tf

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W = tf.placeholder(tf.float32)

#----- a neuron
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hypo = x_data * W

#----- learning
cost = (hypo - y_data) ** 2

sess = tf.Session()
sess.run(tf.global_variables_initializer())

# Variables for plotting cost function
weights = []
costs = []

for i in range(-30, 50):
    w_val = i * 0.1
    w = w_val
    curr_cost = sess.run(cost, feed_dict={W: w_val})
```

Console

import tensorflow.compat.v1 as tf
tf.disable_v2_behavior()

```
#import tensorflow as tf




    Copy & paste
    from https://github.com/yungbyun/myml/
```

Runing the code using
Google Colab

http://colab.research.google.com/

Sign up

- http://colab.research.google.com/
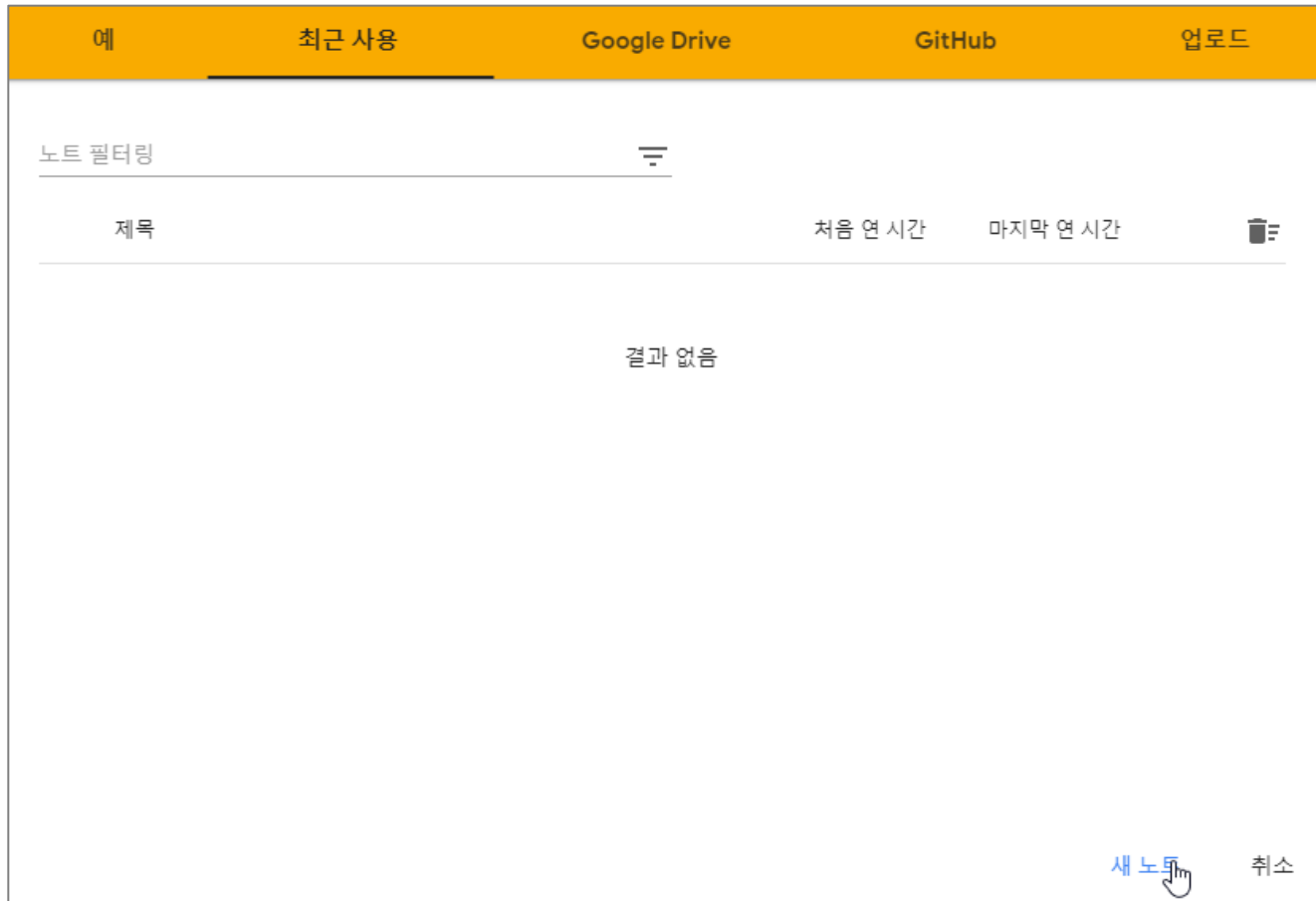
💬 댓글   👥 공유   ⚙️

+ 코드   + 텍스트

✓ RAM ▭
   디스크 ▬

✏️ 수정 가능   ∧

```python
import tensorflow as tf

tf.__version__
```

```
'2.4.1'
```

+ 코드   + 텍스트

✓ 2초   오후 5:50에 완료됨

+ 코드   + 텍스트

RAM
디스크

✏ 수정 가능

```python
[1]  import tensorflow as tf

     tf.__version__

     '2.4.1'
```

```python
!pip uninstall tensorflow
```

+ 코드   + 텍스트

RAM 디스크

수정 가능

```
[1]  import tensorflow as tf

     tf.__version__

     '2.4.1'
```

```
!pip uninstall tensorflow
```

```
Uninstalling tensorflow-2.4.1:
  Would remove:
    /usr/local/bin/estimator_ckpt_converter
    /usr/local/bin/import_pb_to_tensorboard
    /usr/local/bin/saved_model_cli
    /usr/local/bin/tensorboard
    /usr/local/bin/tf_upgrade_v2
    /usr/local/bin/tflite_convert
    /usr/local/bin/toco
    /usr/local/bin/toco_from_protos
    /usr/local/lib/python3.7/dist-packages/tensorflow-2.4.1.dist-info/*
    /usr/local/lib/python3.7/dist-packages/tensorflow/*
Proceed (y/n)? y
```

실행 중(48초) Cell > system() > _system_compat() > _run_command() > _monitor_process() > _poll_process()

```
Uninstalling tensorflow-2.4.1:
  Would remove:
    /usr/local/bin/estimator_ckpt_converter
    /usr/local/bin/import_pb_to_tensorboard
    /usr/local/bin/saved_model_cli
    /usr/local/bin/tensorboard
    /usr/local/bin/tf_upgrade_v2
    /usr/local/bin/tflite_convert
    /usr/local/bin/toco
    /usr/local/bin/toco_from_protos
    /usr/local/lib/python3.7/dist-packages/tensorflow-2.4.1.dist-info/*
    /usr/local/lib/python3.7/dist-packages/tensorflow/*
Proceed (y/n)? y
  Successfully uninstalled tensorflow-2.4.1
```
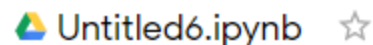
+ 코드   + 텍스트

```
!pip install tensorflow==1.15
```

✓ 1분 20초   오후 5:53에 완료됨

```
Proceed (y/n)? y
  Successfully uninstalled tensorflow-2.4.1
```

                                                    ↑ ↓ ⊕ 🗩 ⚙ 🔲 🗑 ⋮

```
!pip install tensorflow==1.15

    Downloading https://files.pythonhosted.org/packages/92/2b/e3af15221da9ff323521565fa3324b0d7c7c5b1d7a8ca66984c8d59cb0ce/ten
        |████████████████████████████| 412.3MB 33kB/s
Collecting gast==0.2.2
    Downloading https://files.pythonhosted.org/packages/4e/35/11749bf99b2d4e3cceb4d55ca22590b0d7c2c62b9de38ac4a4a7f4687421/gas
Requirement already satisfied: grpcio>=1.8.6 in /usr/local/lib/python3.7/dist-packages (from tensorflow==1.15) (1.32.0)
Requirement already satisfied: astor>=0.6.0 in /usr/local/lib/python3.7/dist-packages (from tensorflow==1.15) (0.8.1)
Requirement already satisfied: protobuf>=3.6.1 in /usr/local/lib/python3.7/dist-packages (from tensorflow==1.15) (3.12.4)
Requirement already satisfied: wheel>=0.26 in /usr/local/lib/python3.7/dist-packages (from tensorflow==1.15) (0.36.2)
Requirement already satisfied: numpy<2.0,>=1.16.0 in /usr/local/lib/python3.7/dist-packages (from tensorflow==1.15) (1.19.5)
Requirement already satisfied: opt-einsum>=2.3.2 in /usr/local/lib/python3.7/dist-packages (from tensorflow==1.15) (3.3.0)
Requirement already satisfied: six>=1.10.0 in /usr/local/lib/python3.7/dist-packages (from tensorflow==1.15) (1.15.0)
Collecting tensorflow-estimator==1.15.1
    Downloading https://files.pythonhosted.org/packages/de/62/2ee9cd74c9fa2fa450877847ba560b260f5d0fb70ee0595203082dafcc9d/ten
        |████████████████████████████| 512kB 37.6MB/s
Requirement already satisfied: termcolor>=1.1.0 in /usr/local/lib/python3.7/dist-packages (from tensorflow==1.15) (1.1.0)
Collecting tensorboard<1.16.0,>=1.15.0
    Downloading https://files.pythonhosted.org/packages/1e/e9/d3d747a97f7188f48aa5eda486907f3b345cd409f0a0850468ba867db246/ten
        |████████████████████████████| 3.8MB 36.8MB/s
```

✓ 1분 1초   오후 5:54에 완료됨   ● ✕

파일 수정 보기 삽입 런타임 도구 도움말

💬 댓글   👥 공유   ⚙️

+ 코드   + 텍스트

✓ RAM ▭ ▾ | ✏️ 수정 가능 | ∧
디스크 ▭

모두 실행	Ctrl+F9
이전 셀 실행	Ctrl+F8
초점이 맞춰진 셀 실행	Ctrl+Enter
선택항목 실행	Ctrl+Shift+Enter
이후 셀 실행	Ctrl+F10
실행 중단	Ctrl+M I
런타임 다시 시작	Ctrl+M .
다시 시작 및 모두 실행	
런타임 초기화	
런타임 유형 변경	
세션 관리	
런타임 로그 보기	

WARNING: The fo...   ...orted in this runtime.
[gast,tensorbo...
You must restart...   ...installed versions.

RESTART RUNTIME

✓ 2초   오후 6:00에 완료됨

github.com/yungbyun/myml

📁 pandas	asdf		2 years ago
📄 01_simple.py	asdf		11 months ago
📄 02_simple_placeholder.py	asdf		2 years ago
📄 03_cost_function.py	asdf		2 years ago
📄 04_with_bias.py	asdf		2 years ago
📄 05_multiple_data.py	asdf		11 months ago
📄 06_multiple_inputs.py	asdf		2 years ago
📄 11.logistic_simple.py	asdf		2 years ago
📄 12_with_bias.py	asdf		2 years ago
📄 13_or_gate.py	asdf		2 years ago
📄 14_cooking.py	asdf		2 years ago
📄 14_four_classes.py	asdf		2 years ago
📄 16_four_classes_placeholder.py	asdf		2 years ago
📄 17_xor_single_neuron.py	asdf		2 years ago
📄 18_xor_3_layers.py	asdf		2 years ago

Publish your first package

Languages

- 🔴 Jupyter Notebook 61.6%
- 🔵 Python 38.4%

1 contributor

34 lines (26 sloc) | 704 Bytes

Raw | Blame

```python
1  #%tensorflow_version 1.x
2  # (1)1-1/R
3  import tensorflow as tf
4
5  x = [1]
6  y = [1]
7
8  w = tf.Variable (tf.random_normal([1]))
9  h = w * x
10
11 E = (h - y) ** 2
12
13 train = tf.train.GradientDescentOptimizer(learning_rate=0.01).minimize(E)
14 sess = tf.Session()
15 sess.run(tf.global_variables_initializer()) #w값 초기화
16
17 err_list = []
18 for i in range(101):
19     w_val = sess.run(w)
20     err = sess.run(E)
21     print(i, 'w:', w_val, 'cost:', err)
```

WARNING: The following packages were previously imported in this runtime:
  [gast,tensorboard,tensorflow]
You must restart the runtime in order to use newly installed versions.

RESTART RUNTIME

＋ 코드   ＋ 텍스트

```python
#%tensorflow_version 1.x
# (1)1-1/R
import tensorflow as tf

x = [1]
y = [1]


w = tf.Variable (tf.random_normal([1]))
h = w * x


E = (h - y) ** 2


train = tf.train.GradientDescentOptimizer(learning_rate=0.01).minimize(E)
sess = tf.Session()
sess.run(tf.global_variables_initializer()) #w값 초기화
```

✓ 2초   오후 6:00에 완료됨

CO   🔺 Untitled6.ipynb   ☆

파일   수정   보기   삽입   런타임   도구   도움말   모든 변경사항이 저장됨

✓ RAM ▭
  디스크 ▭   ▾ | ✏ 수정 가능 | ⌃

드라이브에서 찾기

실습 모드에서 열기

새 노트

노트 열기   Ctrl+O   373]

노트 업로드

이름 바꾸기

휴지통으로 이동

드라이브에 사본 저장

GitHub Gist로 사본 저장

GitHub에 사본 저장
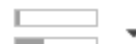
저장   Ctrl+S

버전 저장 및 고정   Ctrl+M S   80   100

업데이트 기록

다운로드   ▸

                            ✓ 0초   오후 6:02에 완료됨   ● ✕

!pip uninstall tensorflow
!pip install tensorflow==1.15

Copy & paste
from https://github.com/yungbyun/myml/