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Environments

Learning

Community

Anaconda Notebooks

Cloud notebooks with hundreds of packages ready to code.

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Documentation

Anaconda Blog



All applications on base (root) Channels



DataSpell

DataSpell is an IDE for exploratory data analysis and prototyping machine learning models. It combines the interactivity of Jupyter notebooks with the intelligent Python and R coding assistance of PyCharm in one user-friendly environment.

Install



CMD.exe Prompt

0.1.1

Run a cmd.exe terminal with your current environment from Navigator activated

Launch



JupyterLab

3.4.4

An extensible environment for interactive and reproducible computing, based on the Jupyter Notebook and Architecture.

Launch



Jupyter Notebook

5.4.12

Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the data analysis.

Launch



Powershell Prompt

0.0.1

Run a Powershell terminal with your current environment from Navigator activated

Launch



Qt Console

5.2.2

PyQt GUI that supports inline figures, proper multiline editing with syntax highlighting, graphical calltips, and more.

Launch



Spyder

5.2.2

Scientific Python Development Environment. Powerful Python IDE with advanced editing, interactive testing, debugging and introspection features

Launch



VS Code

1.72.0

Streamlined code editor with support for development operations like debugging, task running and version control.

Launch



DataLore

Kick-start your data science projects in seconds in a pre-configured environment. Enjoy coding assistance for Python, SQL, and R in Jupyter notebooks and benefit from no-code automations. Use DataLore online for free.

Launch



Deepnote

Deepnote is a new kind of data notebook, build for collaboration - Jupyter compatible, in the cloud and sharing is easy as sending a link

Launch



IBM Watson Studio Cloud

IBM Watson Studio Cloud provides you the tools to analyze and visualize data, to cleanse and shape data, to create and train machine learning models. Prepare data and build models, using open source data science tools or visual modeling.

Launch



Oracle Cloud Infrastructure

OCI Data Science offers a machine learning platform to build, train, manage, and deploy your machine learning models on the cloud with your favorite open-source tools

Launch



Glueviz

1.0.0

Multidimensional data visualization across files. Explore relationships within and between datasets.



Orange 3

3.32.0

Component based data mining framework. Data visualization and data analysis for machine learning.



PyCharm Professional

A Full-fledged IDE by JetBrains for both Scientific and Web Python development.



Anaconda Notebooks

Cloud notebooks with hundreds of packages ready to code.

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All applications

on

base (root)

Channels

C:\Windows\system32\cmd.e

```
Microsoft Windows [Version 10.0.22621.755]
(c) Microsoft Corporation. All rights reserved.

(base) C:\Users\dhara>
```



ENG
IN

18:03
01-11-2022

IBM (576) how to open anaconda pro x +

Administrator: C:\Windows\system32\cmd.exe - pip install tensorflow

Microsoft Windows [Version 10.0.22621.755]
(c) Microsoft Corporation. All rights reserved.

```
(base) C:\Users\dhara>pip install tensorflow==1.15.2
ERROR: Could not find a version that satisfies the requirement tensorflow==1.15.2 (from versions: 2.5.0, 2.5.1, 2.5.2, 2.5.3, 2.6.0rc0, 2.6.0rc1, 2.6.0rc2, 2.6.0, 2.6.1, 2.6.2, 2.6.3, 2.6.4, 2.6.5, 2.7.0rc0, 2.7.0rc1, 2.7.0, 2.7.1, 2.7.2, 2.7.3, 2.7.4, 2.8.0rc0, 2.8.0rc1, 2.8.0, 2.8.1, 2.8.2, 2.8.3, 2.9.0rc0, 2.9.0rc1, 2.9.0rc2, 2.9.0, 2.9.1, 2.9.2, 2.10.0rc0, 2.10.0rc1, 2.10.0rc2, 2.10.0rc3, 2.10.0, 2.11.0rc0, 2.11.0rc1)
ERROR: No matching distribution found for tensorflow==1.15.2

(base) C:\Users\dhara>pip install tensorflow
Collecting tensorflow
  Downloading tensorflow-2.10.0-cp39-cp39-win_amd64.whl (455.9 MB)
    ---
    41.6/455.9 MB 2.1 MB/s eta 0:03:20
```

Structure

- + Create Dataset
- + Annotate Images
- + Training YOLO
- + Cloudant DB

- Type "pip install tensorflow==1.15.2" and click enter.
- Type "pip install keras=2.2.4" and click enter.
- Type "pip install opencv-python==4.1.0.25" and click enter.
- Type "pip install Pillow==6.2.2" and click enter.
- Type "pip install progressbar" and click enter.

the above steps allow you to install the packages in the anaconda environment

Backend support to Keras
ing Neural Network layers
e processing

ps:
ator.

ENG IN 18:20 01-11-2022

Administrator: C:\Windows\system32\cmd.exe - pip install tensorflow

Microsoft Windows [Version 10.0.22621.755]

(c) Microsoft Corporation. All rights reserved.

(base) C:\Users\dhara>pip install tensorflow==1.15.2

ERROR: Could not find a version that satisfies the requirement tensorflow==1.15.2 (from versions: 2.5.0, 2.5.1, 2.5.2, 2.5.3, 2.6.0rc0, 2.6.0rc1, 2.6.0rc2, 2.6.0, 2.6.1, 2.6.2, 2.6.3, 2.6.4, 2.6.5, 2.7.0rc0, 2.7.0rc1, 2.7.0, 2.7.1, 2.7.2, 2.7.3, 2.7.4, 2.8.0rc0, 2.8.0rc1, 2.8.0, 2.8.1, 2.8.2, 2.8.3, 2.9.0rc0, 2.9.0rc1, 2.9.0rc2, 2.9.0, 2.9.1, 2.9.2, 2.10.0rc0, 2.10.0rc1, 2.10.0rc2, 2.10.0rc3, 2.10.0, 2.11.0rc0, 2.11.0rc1)

ERROR: No matching distribution found for tensorflow==1.15.2

(base) C:\Users\dhara>pip install tensorflow

Collecting tensorflow

Downloading tensorflow-2.10.0-cp39-cp39-win_amd64.whl (455.9 MB)

----- 81.1/455.9 MB 4.3 MB/s eta 0:01:28



ENG
IN



18:20
01-11-2022



Administrator: C:\Windows\system32\cmd.exe - pip install tensorflow

(base) C:\Users\dhara>pip install tensorflow

Collecting tensorflow

Downloading tensorflow-2.10.0-cp39-cp39-win_amd64.whl (455.9 MB)

----- 131.8/455.9 MB 4.6 MB/s eta 0:01:11



Administrator: C:\Windows\system32\cmd.exe - pip install tensorflow

```
Collecting keras<2.11,>=2.10.0
  Downloading keras-2.10.0-py2.py3-none-any.whl (1.7 MB)
----- 1.7/1.7 MB 10.7 MB/s eta 0:00:00
Collecting tensorboard<2.11,>=2.10
  Downloading tensorboard-2.10.1-py3-none-any.whl (5.9 MB)
----- 5.9/5.9 MB 3.6 MB/s eta 0:00:00
Requirement already satisfied: setuptools in c:\users\dhara\anaconda3\lib\site-packages (from tensorflow) (63.4.1)
Requirement already satisfied: six>=1.12.0 in c:\users\dhara\anaconda3\lib\site-packages (from tensorflow) (1.16.0)
Requirement already satisfied: wrapt>=1.11.0 in c:\users\dhara\anaconda3\lib\site-packages (from tensorflow) (1.14.1)
Collecting google-pasta>=0.1.1
  Downloading google_pasta-0.2.0-py3-none-any.whl (57 kB)
----- 57.5/57.5 kB ? eta 0:00:00
Collecting keras-preprocessing>=1.1.1
  Downloading Keras_Preprocessing-1.1.2-py2.py3-none-any.whl (42 kB)
----- 42.6/42.6 kB 2.0 MB/s eta 0:00:00
Collecting protobuf<3.20,>=3.9.2
  Downloading protobuf-3.19.6-cp39-cp39-win_amd64.whl (895 kB)
----- 895.9/895.9 kB 2.7 MB/s eta 0:00:00
Collecting libclang>=13.0.0
  Downloading libclang-14.0.6-py2.py3-none-win_amd64.whl (14.2 MB)
----- 14.2/14.2 MB 6.3 MB/s eta 0:00:00
Collecting grpcio<2.0,>=1.24.3
  Downloading grpcio-1.50.0-cp39-cp39-win_amd64.whl (3.7 MB)
----- 3.7/3.7 MB 7.5 MB/s eta 0:00:00
Requirement already satisfied: h5py>=2.9.0 in c:\users\dhara\anaconda3\lib\site-packages (from tensorflow) (3.7.0)
Collecting opt-einsum>=2.3.2
  Downloading opt_einsum-3.3.0-py3-none-any.whl (65 kB)
----- 65.5/65.5 kB ? eta 0:00:00
Requirement already satisfied: typing-extensions>=3.6.6 in c:\users\dhara\anaconda3\lib\site-packages (from tensorflow) (4.3.0)
Requirement already satisfied: numpy>=1.20 in c:\users\dhara\anaconda3\lib\site-packages (from tensorflow) (1.21.5)
Collecting tensorflow-estimator<2.11,>=2.10.0
  Downloading tensorflow_estimator-2.10.0-py2.py3-none-any.whl (438 kB)
----- 438.7/438.7 kB 9.1 MB/s eta 0:00:00
Collecting flatbuffers>=2.0
  Downloading flatbuffers-22.10.26-py2.py3-none-any.whl (26 kB)
Requirement already satisfied: wheel<1.0,>=0.23.0 in c:\users\dhara\anaconda3\lib\site-packages (from astunparse>=1.6.0->tensorflow) (0.37.1)
Collecting google-auth-oauthlib<0.5,>=0.4.1
  Downloading google_auth_oauthlib-0.4.6-py2.py3-none-any.whl (18 kB)
Collecting google-auth<3,>=1.6.3
  Downloading google_auth-2.14.0-py2.py3-none-any.whl (175 kB)
----- 175.0/175.0 kB 11.0 MB/s eta 0:00:00
Collecting tensorboard-data-server<0.7.0,>=0.6.0
  Downloading tensorboard_data_server-0.6.1-py3-none-any.whl (2.4 kB)
Requirement already satisfied: markdown>=2.6.8 in c:\users\dhara\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (3.3.4)
Collecting tensorboard-plugin-wit>=1.6.0
  Downloading tensorboard_plugin_wit-1.8.1-py3-none-any.whl (781 kB)
----- 781.3/781.3 kB 9.8 MB/s eta 0:00:00
Requirement already satisfied: werkzeug>=1.0.1 in c:\users\dhara\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.0.3)
Requirement already satisfied: requests<3,>=2.21.0 in c:\users\dhara\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.28.1)
```



ENG
IN

18:22
01-11-2022

Administrator: C:\Windows\system32\cmd.exe - pip install tensorflow

```
Downloading libclang-14.0.6-py2.py3-none-win_amd64.whl (14.2 MB)
----- 14.2/14.2 MB 6.3 MB/s eta 0:00:00
Collecting grpcio<2.0,>=1.24.3
  Downloading grpcio-1.50.0-cp39-win_amd64.whl (3.7 MB)
----- 3.7/3.7 MB 7.5 MB/s eta 0:00:00
Requirement already satisfied: h5py>=2.9.0 in c:\users\dhara\anaconda3\lib\site-packages (from tensorflow) (3.7.0)
Collecting opt-einsum>=2.3.2
  Downloading opt_einsum-3.3.0-py3-none-any.whl (65 kB)
----- 65.5/65.5 kB ? eta 0:00:00
Requirement already satisfied: typing-extensions>=3.6.6 in c:\users\dhara\anaconda3\lib\site-packages (from tensorflow) (4.3.0)
Requirement already satisfied: numpy>=1.20 in c:\users\dhara\anaconda3\lib\site-packages (from tensorflow) (1.21.5)
Collecting tensorflow-estimator<2.11,>=2.10.0
  Downloading tensorflow_estimator-2.10.0-py2.py3-none-any.whl (438 kB)
----- 438.7/438.7 kB 9.1 MB/s eta 0:00:00
Collecting flatbuffers>=2.0
  Downloading flatbuffers-22.10.26-py2.py3-none-any.whl (26 kB)
Requirement already satisfied: wheel<1.0,>=0.23.0 in c:\users\dhara\anaconda3\lib\site-packages (from astunparse>=1.6.0->tensorflow) (0.37.1)
Collecting google-auth-oauthlib<0.5,>=0.4.1
  Downloading google_auth_oauthlib-0.4.6-py2.py3-none-any.whl (18 kB)
Collecting google-auth<3,>=1.6.3
  Downloading google_auth-2.14.0-py2.py3-none-any.whl (175 kB)
----- 175.0/175.0 kB 11.0 MB/s eta 0:00:00
Collecting tensorboard-data-server<0.7.0,>=0.6.0
  Downloading tensorboard_data_server-0.6.1-py3-none-any.whl (2.4 kB)
Requirement already satisfied: markdown>=2.6.8 in c:\users\dhara\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (3.3.4)
Collecting tensorboard-plugin-wit>=1.6.0
  Downloading tensorboard_plugin_wit-1.8.1-py3-none-any.whl (781 kB)
----- 781.3/781.3 kB 9.8 MB/s eta 0:00:00
Requirement already satisfied: werkzeug>=1.0.1 in c:\users\dhara\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.0.3)
Requirement already satisfied: requests<3,>=2.21.0 in c:\users\dhara\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.28.1)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\users\dhara\anaconda3\lib\site-packages (from packaging->tensorflow) (3.0.9)
Collecting rsa<5,>=3.1.4
  Downloading rsa-4.9-py3-none-any.whl (34 kB)
Requirement already satisfied: pyasn1-modules>=0.2.1 in c:\users\dhara\anaconda3\lib\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (0.2.8)
Collecting cachetools<6.0,>=2.0.0
  Downloading cachetools-5.2.0-py3-none-any.whl (9.3 kB)
Collecting requests-oauthlib>=0.7.0
  Downloading requests_oauthlib-1.3.1-py2.py3-none-any.whl (23 kB)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\dhara\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2022.9.14)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\dhara\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\dhara\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (3.3)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\dhara\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (1.26.11)
Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in c:\users\dhara\anaconda3\lib\site-packages (from pyasn1-modules>=0.2.1->google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (0.4.8)
Collecting oauthlib>=3.0.0
  Downloading oauthlib-3.2.2-py3-none-any.whl (151 kB)
----- 151.7/151.7 kB 8.8 MB/s eta 0:00:00
Installing collected packages: tensorboard-plugin-wit, libclang, keras, flatbuffers, termcolor, tensorflow-io-gcs-filesystem, tensorflow-estimator, tensorboard-data-server, rsa, protobuf, opt-einsum, oauthlib, k
eras-preprocessing, grpcio, google-pasta, gast, cachetools, astunparse, absl-py, requests-oauthlib, google-auth, google-auth-oauthlib, tensorboard, tensorflow
```

Administrator: C:\Windows\system32\cmd.exe

----- 151.7/151.7 kB 8.8 MB/s eta 0:00:00
Installing collected packages: tensorboard-plugin-wit, libclang, keras, flatbuffers, termcolor, tensorflow-io-gcs-filesystem, tensorflow-estimator, tensorboard-data-server, rsa, protobuf, opt-einsum, oauthlib, keras-preprocessing, grpcio, google-pasta, gast, cachetools, astunparse, absl-py, requests-oauthlib, google-auth, google-auth-oauthlib, tensorboard, tensorflow
Successfully installed absl-py-1.3.0 astunparse-1.6.3 cachetools-5.2.0 flatbuffers-22.10.26 gast-0.4.0 google-auth-2.14.0 google-auth-oauthlib-0.4.6 google-pasta-0.2.0 grpcio-1.50.0 keras-2.10.0 keras-preprocessing-1.1.2 libclang-14.0.6 oauthlib-3.2.2 opt-einsum-3.3.0 protobuf-3.19.6 requests-oauthlib-1.3.1 rsa-4.9 tensorboard-2.10.1 tensorboard-data-server-0.6.1 tensorboard-plugin-wit-1.8.1 tensorflow-2.10.0 tensorflow-estimator-2.10.0 tensorflow-io-gcs-filesystem-0.27.0 termcolor-2.1.0

(base) C:\Users\dhara> pip install keras

Requirement already satisfied: keras in c:\users\dhara\anaconda3\lib\site-packages (2.10.0)

(base) C:\Users\dhara>



ENG
IN



18:24
01-11-2022



Administrator: C:\Windows\system32\cmd.exe

Requirement already satisfied: werkzeug>=1.0.1 in c:\users\dhara\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.0.3)

Requirement already satisfied: requests<3,>=2.21.0 in c:\users\dhara\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.28.1)

Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\users\dhara\anaconda3\lib\site-packages (from packaging->tensorflow) (3.0.9)

Collecting rsa<5,>=3.1.4

Downloading rsa-4.9-py3-none-any.whl (34 kB)

Requirement already satisfied: pyasn1-modules>=0.2.1 in c:\users\dhara\anaconda3\lib\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (0.2.8)

Collecting cachetools<6.0,>=2.0.0

Downloading cachetools-5.2.0-py3-none-any.whl (9.3 kB)

Collecting requests-oauthlib>=0.7.0

Downloading requests_oauthlib-1.3.1-py2.py3-none-any.whl (23 kB)

Requirement already satisfied: certifi>=2017.4.17 in c:\users\dhara\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2022.9.14)

Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\dhara\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2.0.4)

Requirement already satisfied: idna<4,>=2.5 in c:\users\dhara\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (3.3)

Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\dhara\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (1.26.11)

Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in c:\users\dhara\anaconda3\lib\site-packages (from pyasn1-modules>=0.2.1->google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (0.4.8)

Collecting oauthlib>=3.0.0

Downloading oauthlib-3.2.2-py3-none-any.whl (151 kB)

----- 151.7/151.7 kB 8.8 MB/s eta 0:00:00

Installing collected packages: tensorboard-plugin-wit, libclang, keras, flatbuffers, termcolor, tensorflow-io-gcs-filesystem, tensorflow-estimator, tensorboard-data-server, rsa, protobuf, opt-einsum, oauthlib, keras-preprocessing, grpcio, google-pasta, gast, cachetools, astunparse, absl-py, requests-oauthlib, google-auth, google-auth-oauthlib, tensorboard, tensorflow

Successfully installed absl-py-1.3.0 astunparse-1.6.3 cachetools-5.2.0 flatbuffers-22.10.26 gast-0.4.0 google-auth-2.14.0 google-auth-oauthlib-0.4.6 google-pasta-0.2.0 grpcio-1.50.0 keras-2.10.0 keras-preprocessing-1.1.2 libclang-14.0.6 oauthlib-3.2.2 opt-einsum-3.3.0 protobuf-3.19.6 requests-oauthlib-1.3.1 rsa-4.9 tensorboard-2.10.1 tensorboard-data-server-0.6.1 tensorboard-plugin-wit-1.8.1 tensorflow-2.10.0 tensorflow-estimator-2.10.0 tensorflow-io-gcs-filesystem-0.27.0 termcolor-2.1.0

(base) C:\Users\dhara> pip install keras

Requirement already satisfied: keras in c:\users\dhara\anaconda3\lib\site-packages (2.10.0)

(base) C:\Users\dhara>pip install opencv-python

Collecting opencv-python

Downloading opencv_python-4.6.0.66-cp36-abi3-win_amd64.whl (35.6 MB)

----- 35.6/35.6 MB 6.2 MB/s eta 0:00:00

Requirement already satisfied: numpy>=1.14.5 in c:\users\dhara\anaconda3\lib\site-packages (from opencv-python) (1.21.5)

Installing collected packages: opencv-python

Successfully installed opencv-python-4.6.0.66

(base) C:\Users\dhara>pip install Pillow

Requirement already satisfied: Pillow in c:\users\dhara\anaconda3\lib\site-packages (9.2.0)

(base) C:\Users\dhara>_



Administrator: C:\Windows\system32\cmd.exe

```
(base) C:\Users\dhara>pip install opencv-python
Collecting opencv-python
  Downloading opencv_python-4.6.0.66-cp36-abi3-win_amd64.whl (35.6 MB)
----- 35.6/35.6 MB 6.2 MB/s eta 0:00:00
Requirement already satisfied: numpy>=1.14.5 in c:\users\dhara\anaconda3\lib\site-packages (from opencv-python) (1.21.5)
Installing collected packages: opencv-python
Successfully installed opencv-python-4.6.0.66

(base) C:\Users\dhara>
```

