


PRE-REQUISITES

TEAM ID	PNT2022TMID40612
PROJECT	REAL-Time Communication System Powered by AI for Specially Abled

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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




Notebook

6.4.12

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,

Launch



Datalore

Kick-start your data science projects in seconds in a pre-configured environment. Enjoy coding assistance for Python, SQL,

Launch

Launching notebook

23°C Partly sunny

6:49 AM 11/17/2022

```
(base) C:\Users\Sithubhuvi>pip install tensorflow
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: tensorflow in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (2.10.0)
Requirement already satisfied: astunparse>=1.6.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (1.6.3)
Requirement already satisfied: flatbuffers>=2.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (22.10.26)
Requirement already satisfied: absl-py>=1.0.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (1.3.0)
Requirement already satisfied: h5py>=2.9.0 in c:\programdata\anaconda3\lib\site-packages (from tensorflow) (3.7.0)
Requirement already satisfied: gast<=0.4.0,>=0.2.1 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (0.4.0)
Requirement already satisfied: six>=1.12.0 in c:\programdata\anaconda3\lib\site-packages (from tensorflow) (1.16.0)
Requirement already satisfied: protobuf<3.20,>=3.9.2 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (3.19.6)
Requirement already satisfied: termcolor>=1.1.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (2.1.0)
Requirement already satisfied: numpy>=1.20 in c:\programdata\anaconda3\lib\site-packages (from tensorflow) (1.21.5)
Requirement already satisfied: grpcio<2.0,>=1.24.3 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (1.50.0)
Requirement already satisfied: libclang>=13.0.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (14.0.6)
Requirement already satisfied: setuptools in c:\programdata\anaconda3\lib\site-packages (from tensorflow) (63.4.1)
Requirement already satisfied: keras<2.11,>=2.10.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (2.10.0)
Requirement already satisfied: wrapt>=1.11.0 in c:\programdata\anaconda3\lib\site-packages (from tensorflow) (1.14.1)
Requirement already satisfied: tensorboard<2.11,>=2.10 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (2.10.1)
Requirement already satisfied: tensorflow-io-gcs-filesystem>=0.23.1 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (0.27.0)
Requirement already satisfied: typing-extensions>=3.6.6 in c:\programdata\anaconda3\lib\site-packages (from tensorflow) (4.3.0)
Requirement already satisfied: google-pasta>=0.1.1 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (0.2.0)
Requirement already satisfied: opt-einsum>=2.3.2 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (3.3.0)
Requirement already satisfied: packaging in c:\programdata\anaconda3\lib\site-packages (from tensorflow) (21.3)
Requirement already satisfied: tensorflow-estimator<2.11,>=2.10.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (2.10.0)
Requirement already satisfied: keras-preprocessing>=1.1.1 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorflow) (1.1.2)
Requirement already satisfied: wheel<1.0,>=0.23.0 in c:\programdata\anaconda3\lib\site-packages (from astunparse>=1.6.0->tensorflow) (0.37.1)
Requirement already satisfied: google-auth<3,>=1.6.3 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.14.1)
Requirement already satisfied: tensorboard-data-server<0.7.0,>=0.6.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (0.6.1)
Requirement already satisfied: requests<3,>=2.21.0 in c:\programdata\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.28.1)
Requirement already satisfied: werkzeug>=1.0.1 in c:\programdata\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (2.0.3)
Requirement already satisfied: tensorboard-plugin-wit>=1.6.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (1.8.1)
Requirement already satisfied: google-auth-oauthlib<0.5,>=0.4.1 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (0.4.6)
Requirement already satisfied: markdown>=2.6.8 in c:\programdata\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (3.3.4)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\programdata\anaconda3\lib\site-packages (from packaging->tensorflow) (3.0.9)
Requirement already satisfied: pyasn1-modules>=0.2.1 in c:\programdata\anaconda3\lib\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (0.2.8)
Requirement already satisfied: cachetools<6.0,>=2.0.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (5.2.0)
Requirement already satisfied: rsa<5,>=3.1.4 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->
```



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Requirement already satisfied: pyasn1-modules>=0.2.1 in c:\programdata\anaconda3\lib\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (0.2.8)
Requirement already satisfied: cachetools<6.0,>=2.0.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (5.2.0)
Requirement already satisfied: rsa<5,>=3.1.4 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from google-auth<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (4.9)
Requirement already satisfied: requests-oauthlib>=0.7.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from google-auth-oauthlib<0.5,>=0.4.1->tensorboard<2.11,>=2.10->tensorflow) (1.3.1)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\programdata\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2.0.4)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\programdata\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (1.26.11)
Requirement already satisfied: idna<4,>=2.5 in c:\programdata\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (3.3)
Requirement already satisfied: certifi>=2017.4.17 in c:\programdata\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.11,>=2.10->tensorflow) (2022.9.14)
Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in c:\programdata\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)
Requirement already satisfied: oauthlib>=3.0.0 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from requests-oauthlib>=0.7.0->google-auth-oauthlib<0.5,>=0.4.1->tensorboard<2.11,>=2.10->tensorflow) (3.2.2)

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




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<input type="checkbox"/>	Desktop		4 minutes ago	
<input type="checkbox"/>	Documents		19 minutes ago	
<input type="checkbox"/>	Downloads		12 minutes ago	
<input type="checkbox"/>	Favorites		16 days ago	
<input type="checkbox"/>	Jedi		19 hours ago	
<input type="checkbox"/>	Links		16 days ago	
<input type="checkbox"/>	Music		16 days ago	
<input type="checkbox"/>	OneDrive		2 hours ago	
<input type="checkbox"/>	Pictures		a day ago	
<input type="checkbox"/>	Saved Games		16 days ago	
<input type="checkbox"/>	Searches		16 days ago	

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2

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- Paste Cells Above Shift-V
- Paste Cells Below V
- Paste Cells & Replace
- Delete Cells D, D
- Undo Delete Cells Z
- Split Cell Ctrl-Shift-Minus
- Merge Cell Above
- Merge Cell Below
- Move Cell Up
- Move Cell Down
- Edit Notebook Metadata
- Find and Replace
- Cut Cell Attachments
- Copy Cell Attachments
- Paste Cell Attachments
- Insert Image

jupyter Untitled Last Checkpoint: a few seconds ago (unsaved changes)

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keras 2.11.0

pip install keras

Deep learning for humans.

Navigation

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Anaconda Prompt (Anaconda3) - pip install keras

(base) C:\Users\Sithubhuvi>pip install keras
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: keras in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (2.2.4)
Requirement already satisfied: scipy>=0.14 in c:\programdata\anaconda3\lib\site-packages (from keras) (1.9.1)
Requirement already satisfied: h5py in c:\programdata\anaconda3\lib\site-packages (from keras) (3.7.0)
Requirement already satisfied: numpy>=1.9.1 in c:\programdata\anaconda3\lib\site-packages (from keras) (1.21.5)
Requirement already satisfied: pyyaml in c:\programdata\anaconda3\lib\site-packages (from keras) (6.0)
Requirement already satisfied: keras-preprocessing>=1.0.5 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from keras) (1.1.2)
Requirement already satisfied: six>=1.9.0 in c:\programdata\anaconda3\lib\site-packages (from keras) (1.16.0)
Requirement already satisfied: keras-applications>=1.0.6 in c:\users\sithubhuvi\appdata\roaming\python\python39\site-packages (from keras) (1.0.8)

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```

1 # -*- coding: utf-8 -*-
2 """
3 Spyder
4 """
5
6
7
8 5+5
9
10
11

```

Active code page: 1252

16 64 bit (AMD64)]

information.

temp.py')

IPython Console History

LSP Python: ready conda: base (Python 3.9.13) Line 8, Col 4 UTF-8 CRLF RW Mem 81%

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