1) Numpy
 $ pip install numpy

2) Scipy
$ pip install scipy

3) Pandas
$ pip install pandas

4) Statsmodel
$ conda install -c conda-forge statsmodels

5) Matplotlib
$ sudo apt-get install python3-matplotlib
 or
$ python -m pip install -U matplotlib

6) Seaborn
$ pip install seaborn
 or
$conda install seaborn
or
$pip install git+https://github.com/mwaskom/seaborn.git

7) Plotly
$pip install plotly==4.1.0
or
$conda install -c plotly plotly=4.1.0
Jupyter Notebook Support
$pip install "notebook>=5.3" "ipywidgets>=7.2"
or
$conda install "notebook>=5.3" "ipywidgets>=7.2"

$conda install -c conda-forge jupyterlab
 or
$pip install jupyterlab

8) Bokeh
$ conda install bokeh
In case you require additional dependencies
use pypi.org
Jinja2 >=2.7
numpy >=1.7.1
packaging >=16.8
pillow >=4.0
python-dateutil >=2.1
PyYAML >=3.10
six >=1.5.2
tornado >=4.3

9)pydot
$pip install pydot

Machine Learning
10) Scikit-learn
$pip install -U scikit-learn
 or
$conda install scikit-learn

10)XGBoost / LightGBM
XGBoost
$sudo apt-get install python-setuptools
Open https://pypi.org/
$pip install xgboost
LightGBM
$ pip install lightgbm

11)CatBoost
$pip install catboost

12) Eli5
ELI5 works in Python 2.7 and Python 3.4+. Currently it requires scikit-learn 0.18+. You can install ELI5 using pip:
pip install eli5

Deep Learning
13) Tensor Flow
$pip install --upgrade pip
$pip install tensorflow==2.0.0-rc0

14) Pytorch
$conda install pytorch torchvision cpuonly -c pytorch

15) Keras
Install Keras from PyPI (recommended):
$sudo pip install keras
If you are using a virtualenv, you may want to avoid using sudo:
$pip install keras
Alternatively: install Keras from the GitHub source:
First, clone Keras using git:
$git clone https://github.com/keras-team/keras.git
Then, cd to the Keras folder and run the install command:
$cd keras
$sudo python setup.py install

Distributed Deep Learning
16)Dist-keras / elephas / spark-deep-learning
Dist-keras
When you only require the framework for development purposes, just use $pip to install dist-keras.
$pip install --upgrade dist-keras
Or
$pip install --upgrade git+https://github.com/JoeriHermans/dist-keras.git

Elephas

$pip install elephas
Pyspark
$pip install pyspark

Natural Language Processing
17) Nltk
$pip install nltk

18) Spacy
$pip install spacy
$python -m spacy download en_core_web_sm
$python -m spacy download xx_ent_wiki_sm
import spacy
nlp = spacy.load("xx_ent_wiki_sm")

19) Gensim
$pip install --upgrade gensim
 or
$conda install -c conda-forge gensim

Lastly
Data Scraping

20) Scrapy
$pip install scrapy
or
$conda install -c conda-forge scrapy

Bonus
Theano
$pip install Theano

Additonal Useful Data Science Links:

Now for deep knowledge I will leave some links
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www.towardsdatascience.com
https://github.com/dotnet/machinelearning

Papers with code. Sorted by stars. Updated weekly.
https://github.com/zziz/pwc

FAIR's research platform for object detection research, implementing popular algorithms like Mask R-CNN and RetinaNet
https://github.com/facebookresearch/Detectron

Pytorch implementation of our method for high-resolution (e.g. 2048x1024) photorealistic video-to-video translation.
https://github.com/NVIDIA/vid2vid

Code to reproduce "imagenet in 18 minutes" DAWN-benchmark entry
https://github.com/cybertronai/imagenet18_old

A paper list of object detection using deep learning.
https://github.com/hoya012/deep_learning_object_detection

A real-time approach for mapping all human pixels of 2D RGB images to a 3D surface-based model of the body
http://densepose.org
https://github.com/facebookresearch/DensePose

Implementation of Everybody Dance Now by pytorch
https://github.com/nyoki-mtl/pytorch-EverybodyDanceNow

https://www.analyticsvidhya.com/blog/2017/06/introductory-generative-adversarial-networks-gans/

Code and data for paper "Deep Painterly Harmonization": https://arxiv.org/abs/1804.03189
https://github.com/luanfujun/deep-painterly-harmonization

beach_umbrella Keras Implementation of Painting outside the box
https://github.com/bendangnuksung/Image-OutPainting

Pytorch-based tools for visualizing and understanding the neurons of a GAN. https://gandissect.csail.mit.edu/
https://github.com/CSAILVision/gandissect

GANimation: Anatomically-aware Facial Animation from a Single Image (ECCV'18 Oral) [PyTorch]
http://www.albertpumarola.com/

https://github.com/albertpumarola/GANimation

Style transfer, deep learning, feature transform
https://github.com/NVIDIA/FastPhotoStyle

A Flow-based Generative Network for Speech Synthesis
https://github.com/NVIDIA/waveglow

https://www.analyticsvidhya.com/blog/2017/08/audio-voice-processing-deep-learning/

https://www.analyticsvidhya.com/blog/2018/01/10-audio-processing-projects-applications/

Machine learning models and utilities for exoplanet science.
https://github.com/google-research/exoplanet-ml

A platform to visualize the deep learning process and result. http://visualdl.paddlepaddle.org
https://github.com/PaddlePaddle/VisualDL

TensorFlow code and pre-trained models for BERT https://arxiv.org/abs/1810.04805
https://github.com/google-research/bert

MatchZoo
Facilitating the design, comparison and sharing of deep text matching models.

https://github.com/NTMC-Community/MatchZoo

Repository to track the progress in Natural Language Processing (NLP), including the datasets and the current state-of-the-art for the most common NLP tasks. https://nlpprogress.com/
https://github.com/sebastianruder/NLP-progress

Accessible AutoML for deep learning. http://autokeras.com/

https://github.com/keras-team/autokeras

Fast and flexible AutoML with learning guarantees. https://adanet.readthedocs.io
https://github.com/tensorflow/adanet

An educational resource to help anyone learn deep reinforcement learning. https://spinningup.openai.com/
https://github.com/openai/spinningup

Dopamine is a research framework for fast prototyping of reinforcement learning algorithms.
https://github.com/google/dopamine
https://github.com/google/dopamine

Motion imitation with deep reinforcement learning.
https://github.com/xbpeng/DeepMimic

A collection of Reinforcement Learning algorithms from Sutton and Barto's book and other research papers implemented in Python.
https://github.com/Pulkit-Khandelwal/Reinforcement-Learning-Notebooks