



Cool Python Libraries

Python Libraries

Name	Tags	Description	Website
<u>Bert-as-a-Service</u>	NLP	Using BERT model as a sentence encoding service, i.e. mapping a variable-length sentence to a fixed-length vector.	<u>https://github.com/hanxiao/bert-as-service</u>
<u>Dash</u>	Dashboards Visualization	Dash is the most downloaded, trusted framework for building ML & data science web apps.	<u>https://plotly.com/dash/</u>
<u>HuggingFace</u>	NLP	Various services around NLP. Pretrained SOTA models etc. Biggest Python NLP Library	<u>https://github.com/huggingface</u>

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<u>Jina</u>	Search	Jina is an open-source deep-learning powered search framework, empowering developers to create cross-modal or multi-modal search systems for text, images, video, and audio. Jina is a cloud-native project, and provides long-term support from a full-time, venture-backed team.	https://github.com/jina-ai/jina

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<u>Keras</u>	ML-Framework	Deep learning for humans. Keras is an API designed for human beings, not machines. Keras follows best practices for reducing cognitive load: it offers consistent & simple APIs, it minimizes the number of user actions required for common use cases, and it provides clear & actionable error messages. It also has extensive documentation and developer guides.	https://keras.io/
<u>Matplotlib</u>	Visualization	Matplotlib is a comprehensive library for creating static, animated, and interactive visualizations in Python.	https://matplotlib.org/
<u>Numpy</u>	Data Data-Analysis	Powerful n-dimensional arrays. Numerical computing tools. Interoperable. Performant. Open source.	https://numpy.org/

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<u>OpenCV</u>	CV	OpenCV (Open Source Computer Vision Library) is an open source computer vision and machine learning software library. OpenCV was built to provide a common infrastructure for computer vision applications and to accelerate the use of machine perception in the commercial products.	https://opencv.org/
<u>Pandas</u>	Data Data-Analysis	pandas is a fast, powerful, flexible and easy to use open source data analysis and manipulation tool, built on top of the Python programming language.	https://pandas.pydata.org/
<u>Pillow</u>	CV	Pillow is the friendly PIL fork by Alex Clark and Contributors. PIL is the Python Imaging Library by Fredrik Lundh and Contributors.	https://github.com/python-pillow/Pillow

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Plotly	Visualization	Plotly's Python graphing library makes interactive, publication-quality graphs. Examples of how to make line plots, scatter plots, area charts, bar charts, error bars, box plots, histograms, heatmaps, subplots, multiple-axes, polar charts, and bubble charts.	https://plotly.com/python/
PyTorch	ML-Framework	An open source machine learning framework that accelerates the path from research prototyping to production deployment.	pytorch.org
PyTorch-Forecasting	Time-series	Pytorch Forecasting aims to ease timeseries forecasting with neural networks for real-world cases and research alike. Specifically, the package provides	https://pypi.org/project/pytorch-forecasting/

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<u>scikit-learn</u>	<div>Data</div> <div>Data-Analysis</div> <div>ML-Framework</div>	Simple and efficient tools for predictive data analysis Accessible to everybody, and reusable in various contexts Built on NumPy, SciPy, and matplotlib Open source, commercially usable - BSD license	https://scikit-learn.org/stable/
<u>Seaborn</u>	<div>Visualization</div>	Seaborn is a Python data visualization library based on matplotlib. It provides a high-level interface for drawing attractive and informative statistical graphics.	https://seaborn.pydata.org/
<u>SpinningUp</u>	<div>Deep-RL</div> <div>RL</div>	This is an educational resource produced by OpenAI that makes it easier to learn about deep reinforcement learning (deep RL).	https://spinningup.openai.com/en/latest/

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<u>Stable-Baselines</u>	Deep-RL RL	Stable Baselines is a set of improved implementations of reinforcement learning algorithms based on OpenAI Baselines.	<u>https://github.com/hill-a/stable-baselines</u>
<u>Streamlit</u>	Dashboards Visualization	Streamlit's open-source app framework is the easiest way for data scientists and machine learning engineers to create beautiful, performant apps in only a few hours! All in pure Python. All for free.	<u>streamlit.io</u>
<u>Tensorflow</u>	ML-Framework	An end-to-end open source machine learning platform	<u>https://www.tensorflow.org/</u>
<u>Tensorflow Serving</u>	ML-Deployment ML-Framework	TensorFlow Serving is a flexible, high-performance serving system for machine learning models, designed for production environments	<u>https://www.tensorflow.org/tfx</u>