**Data Analysis, Modeling, Visualization (Python, JupyterLab, Notebooks)**

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| **Statistics, Analytics, Machine Learning (Python)** |
| |  | | --- | | **Data Science (Python): Project Repositories** | | **GitHub Jupyter Notebook Topics**  <https://github.com/topics/jupyter-notebook>  **NoteBooks-Statistics-and-MachineLearning**  <https://github.com/leonvanbokhorst/NoteBooks-Statistics-and-MachineLearning/>  **Python-for-Probability-Statistics-and-Machine-Learning**  <https://github.com/unpingco/Python-for-Probability-Statistics-and-Machine-Learning>  **Data-Analysis-Science**  <https://github.com/Olow304/Data-Analysis-Science>  **Kaggle (public notebooks, public datasets); Python**  <https://www.kaggle.com/notebooks>  <https://www.kaggle.com/datasets>  **Python Data Science Handbook/notebooks/**  <https://github.com/jakevdp/PythonDataScienceHandbook/tree/master/notebooks>  **A-gallery-of-interesting-Jupyter-Notebooks**  <https://github.com/jupyter/jupyter/wiki/A-gallery-of-interesting-Jupyter-Notebooks#statistics-machine-learning-and-data-science> |  |  | | --- | | **Data Science (Python): Specific Expertise Tutorials** | | **Interesting Jupyter Notebooks (Statistics, Machine Learning, and Data Science)**  <https://github.com/jupyter/jupyter/wiki/A-gallery-of-interesting-Jupyter-Notebooks#statistics-machine-learning-and-data-science>  **Open Source data science projects**  <https://opensource.com/article/19/2/learn-data-science-ai>  **Pandas Tutorials**  <https://www.datacamp.com/community/tutorials/joining-dataframes-pandas>  <https://www.earthdatascience.org/courses/earth-analytics-bootcamp/data-wrangling/data-wrangling-pandas/> |  |  | | --- | | **Python Libraries:** | | **NumPy Reference**  <https://numpy.org/doc/stable>  **SciPy Reference** <https://docs.scipy.org/doc/scipy/reference/> <https://scipy-lectures.org/packages/statistics/index.html>  **scikit-learn**  <https://scikit-learn.org/stable/user_guide.html> <https://scikit-learn.org/stable/modules/classes.html> **scikit-learn-videos**  <https://github.com/justmarkham/scikit-learn-videos>  <https://www.youtube.com/playlist?list=PL5-da3qGB5ICeMbQuqbbCOQWcS6OYBr5A>  **StatsModels**  <https://www.statsmodels.org/stable/api.html>  **Matplotlib**  <https://matplotlib.org/> | |

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| **Statistics, Analytics, Machine Learning (Jupyter, Jupyter Notebooks)** |
| |  | | --- | | **JupyterLab:** | | **Documentation**  <https://jupyterlab.readthedocs.io/en/stable/>  **Notebook**  <https://jupyterlab.readthedocs.io/en/stable/user/notebook.html>  **Running Notebook**  <https://jupyter.readthedocs.io/en/latest/running.html>  **Exporting Notebooks**  <https://jupyterlab.readthedocs.io/en/stable/user/export.html>  **JupyterLab Features:**  **TOC**  <https://github.com/jupyterlab/jupyterlab-toc>  **Data Explorer**  <https://github.com/jupyterlab/jupyterlab-data-explorer>  **Git**  <https://github.com/jupyterlab/jupyterlab-git> |      |  | | --- | | **Dev Environment: Install, Setup, Configure** | | **How to Organize Your Project: Best Practices for Open Reproducible Science**  <https://www.earthdatascience.org/courses/intro-to-earth-data-science/open-reproducible-science/>  **Manage your Data Science project structure in early stage**  <https://towardsdatascience.com/manage-your-data-science-project-structure-in-early-stage-95f91d4d0600> | |