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Description automatically generated Data Science Resources

The following is an opinionated list of open source and private resources to improve your data science and machine learning skills. This list is by no means an all-inclusive list of tools and resources, but instead some of the ones I have used during my data journey.

#### **Resources**

* [The Algorithms](https://the-algorithms.com)
* [Data Science Resource Hub - SAS](https://www.sas.com/en_us/training/academy-data-science/data-science-resources.html#data-scientist-learning-journey)
* [Data Science Central](https://www.datasciencecentral.com/category/technical-topics/data-science/)
* [Data, AI, & Machine Learning](https://sloanreview.mit.edu/topic/data-ai-machine-learning/)
* [Social Network Analysis](https://www.kdnuggets.com/2015/06/top-30-social-network-analysis-visualization-tools.html)
* [Analyze Data with Python - Codeacademy](https://www.codecademy.com/learn/paths/analyze-data-with-python)
* [Introduction to Data Science - IBM](https://www.edx.org/course/intro-to-data-science?index=product&search_index=product&webview=false&campaign=Introduction+to+Data+Science&source=edX&product_category=course&placement_url=https%3A%2F%2Fwww.edx.org%2Flearn%2Fdata-analysis)
* [The Data Scientist’s Toolbox - John Hopkins University](https://www.coursera.org/learn/data-scientists-tools)
* [Professional Certificate in Data Science - Harvard University edX](https://www.edx.org/professional-certificate/harvardx-data-science?index=product&search_index=product&webview=false&campaign=Data++Science&source=edX&product_category=professional-certificate&placement_url=https%3A%2F%2Fwww.edx.org%2Flearn%2Fdata-analysis)
* [Applied Data Science Program - MIT Professional Education](https://professional-education-gl.mit.edu/mit-applied-data-science-course?&utm_source=google&utm_medium=search&utm_campaign=ADSB_Int_Search_Program_Broad_US-E_NewLP&adgroup_id=152133034790&campaign_id=20012657719&Keyword=data%20scientist%20program&placement=&utm_content=655818703904&utm_target=kwd-57785127948&gclid=CjwKCAjwscGjBhAXEiwAswQqNFgWeE1nquYWCBJV8r_WHNmkgvqUGVqmjMcVyufULcz24lIdp3U37xoC6gIQAvD_BwE)
* [Deep Learning Courses - Deeplizard](https://deeplizard.com)
* [Data Science on the the Google Cloud Platform](https://www.oreilly.com/library/view/data-science-on/9781491974551/)

#### **Projects & Books**

* [Data Science Projects for Beginnners](https://data-flair.training/blogs/data-science-projects-code/)
* [Deeplearning Toolbox](https://www.mathworks.com/help/deeplearning/examples.html?s_tid=ans_recom_nba-get)
* [40+ Machine Learning Modern Tutorials](https://www.datasciencecentral.com/40-tutorials-covering-all-aspects-of-machine-learning/)
* [100+ Python Projects with SRC](https://thecleverprogrammer.com/2021/01/14/python-projects-with-source-code/)
* [R For Data Science - H.Wickham](https://r4ds.had.co.nz)
* [Python Data Science Handbook](https://www.oreilly.com/library/view/python-data-science/9781491912126/)
* [Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow](https://www.oreilly.com/library/view/hands-on-machine-learning/9781492032632/)
* [R Books Collection](https://www.rstudio.com/resources/books/)

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#### **Library & Packages**

* [SciKit-Learn](https://scikit-learn.org/stable/)
* [TensorFlow](https://www.tensorflow.org)
* [Keras](https://keras.io/examples/)
* [Tidymodels](https://www.tidymodels.org)
* [Caret](https://topepo.github.io/caret/)
* .ai
* [Tidyverse](https://www.tidyverse.org)
* [ggplot2](https://exts.ggplot2.tidyverse.org/gallery/)
* [Matplotlib](https://matplotlib.org/stable/index.html)
* [Seaborn](https://jakevdp.github.io/PythonDataScienceHandbook/04.14-visualization-with-seaborn.html)
* [Google Charts](https://developers.google.com/chart/interactive/docs/gallery)
* [Grafana](https://grafana.com/grafana/)
* [Datawrapper](https://www.datawrapper.de)
* [Hubspot](https://www.hubspot.com/resources/tool?hubs_content=blog.hubspot.com%2Fmarketing%2Fcolor-combination-data-visualization&hubs_content-cta=null&hubs_post=blog.hubspot.com%2Fmarketing%2Fcolor-combination-data-visualization&hubs_post-cta=null&_ga=2.148478773.327330868.1685158662-882422425.1685158662)
* [Visual Cinnamon](https://www.visualcinnamon.com/portfolio/)
* [Storytelling with Data](https://www.storytellingwithdata.com)

#### **BI Tools & Platforms**

* [KNIME](https://www.knime.com/knime-analytics-platform)
* [SAS Enterprise Miner](https://www.sas.com/en_us/software/enterprise-miner.html)
* [IBM Cognos Analytics](https://www.ibm.com/products/cognos-analytics)
* [Splunk MLTK](https://splunkbase.splunk.com/app/2890)
* [Shiny](https://shiny.posit.co/?_gl=1*ndp1ah*_ga*MTMyMDE5NzEyMi4xNjg1MDMwNzUx*_ga_2C0WZ1JHG0*MTY4NTE1Njk4My40LjEuMTY4NTE1NzMxNi4wLjAuMA..)
* [Mode](https://mode.com/platform/)
* [OSF](https://osf.io)
* [Quarto](https://quarto.org)

#### **Miscellaneous**

* [The Data Science Hangout](https://posit.co/data-science-hangout/)
* [The Data Canteen](https://vetsindatascience.com/the-data-canteen)
* [Therebase.Dev](https://www.therebase.dev)
* [Data Humans Club](https://www.datahumans.club)
* [Gitshowcase](https://www.gitshowcase.com/)
* [The Odin Project](https://www.theodinproject.com/home)
* [CodeEasy](https://codeeasy.io)
* [Codingame](https://www.codingame.com/start)
* [OperationCode](https://operationcode.org/code_schools)