Data Science Resource List by OC

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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

* [OpenAI](https://openai.com/)
* [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/)

#### Library & Packages

* [SciKit-Learn](https://scikit-learn.org/stable/)
* [TensorFlow](https://www.tensorflow.org)
* [Keras](https://keras.io/examples/)
* [Tidymodels](https://www.tidymodels.org)
* [TensorFlow for R](https://tensorflow.rstudio.com/?_gl=1*mehmyf*_ga*MTMyMDE5NzEyMi4xNjg1MDMwNzUx*_ga_2C0WZ1JHG0*MTY4NTE1Njk4My40LjEuMTY4NTE1NzMyMy4wLjAuMA..)
* [Caret](https://topepo.github.io/caret/)
* [.ai](https://docs.h2o.ai/h2o/latest-stable/h2o-docs/faq/r.html)
* [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)
* [ITOL](https://itol.embl.de/index.shtml)
* [Visual Cinnamon](https://www.visualcinnamon.com/portfolio/)
* [Posit Cheatsheets](https://posit.co/resources/cheatsheets/)
* [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)
* [Cybrary](https://www.cybrary.it/catalog/refined/)
* [Codingame](https://www.codingame.com/start)
* [OperationCode](https://operationcode.org/code_schools).

 For questions/comments [Email Me Here](mailto:ocmain@gocardec.com)