

Datasets and Links

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Module 1

MIT reshapes itself to shape the future with a \$350 M gift establishing Stephen A. Schwarzman College of Computing, and unprecedented, \$1 billion commitment to world-changing breakthroughs.

<http://news.mit.edu/2018/mit-reshapes-itself-stephen-schwarzman-college-of-computing-1015>

University of Virginia plans New School of Data Science with \$120 Million Gift, the largest in University History.

https://news.virginia.edu/content/uva-plans-new-school-data-science-120-million-gift-largest-university-history?utm_source=VirginiaHome&utm_medium=referral&utm_campaign=news#engineer

Data Scientist Job Market in the U.S.

<https://www.kaggle.com/sl6149/data-scientist-job-market-in-the-us/home>

Presentation for Data Scientist Job Market in the U.S.

<https://github.com/SilviaIss/projects/blob/master/IndeedWebScraping/2018DataScienceMarketResearch.pdf>

Exploration Code for Data Scientist Job Market in the U.S.

<https://github.com/SilviaIss/projects/blob/master/IndeedWebScraping/Exploration.ipynb>

Final Code for Data Scientist Job Market in the U.S.

<https://github.com/SilviaIss/projects/blob/master/IndeedWebScraping/Final.ipynb>

Cambridge Analytica

<https://www.nytimes.com/2018/03/19/technology/facebook-cambridge-analytica-explained.html>

Target Pregnancy Targeted Marketing

<https://www.forbes.com/sites/kashmirhill/2012/02/16/how-target-figured-out-a-teen-girl-was-pregnant-before-her-father-did/#36472dd46668>

OkCupid Experiments on its users

<http://fortune.com/2014/07/28/okcupid-we-experiment-on-users-too/>

The best stats you've ever seen | Hans Rosling TED Talk

21 minutes

<https://www.youtube.com/watch?v=hVimVzgtD6w&t=242s>

gapminder.org

<https://www.gapminder.org/tools/>

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Gapminder training Video

<https://vimeo.com/231885967>

Module 2

Andrew Ng: Artificial Intelligence is the New Electricity from Stanford MSx Future Forum on January 2017

<https://www.youtube.com/watch?v=21EiKfQYZXc>

Austin Bike Share

<https://www.kaggle.com/jboysen/austin-bike/home>

Google Drive

<https://www.google.com/drive/download/backup-and-sync/>

Google Sheets

<https://www.google.com/sheets/about/>

Google Intro to Pandas with link to Pandas Doc Site

https://colab.research.google.com/notebooks/mlcc/intro_to_pandas.ipynb#scrollTo=hMqWDc_m6rUC

Google Machine Learning Crash Course // Great Prereqs

<https://developers.google.com/machine-learning/crash-course/>

Machine Learning. Kaggle's Housing Price

https://medium.com/@rubenruiz_26771/machine-learning-from-0-kaggles-problem-housing-price-english-v-001-5e5e983c95cd

Module 3

Machine Learning: Google's Vision

<https://www.youtube.com/watch?v=Rnm83GggqPE>

Colaboratory

<https://colab.research.google.com/notebooks/welcome.ipynb#scrollTo=-Rh3-Vt9Nev9>

Colab Notebooks

<https://colab.research.google.com/notebooks/io.ipynb>

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3 Ways to load data on colab

<https://towardsdatascience.com/3-ways-to-load-csv-files-into-colab-7c14fcbdc92>

A gallery of interesting Jupyter Notebooks

<https://github.com/jupyter/jupyter/wiki/A-gallery-of-interesting-Jupyter-Notebooks#entire-books-or-other-large-collections-of-notebooks-on-a-topic>

Python Language Reference Manual

<https://docs.python.org/3/library/index.html>

A Whirlwind Tour of Python under 100 pages

<https://www.oreilly.com/programming/free/files/a-whirlwind-tour-of-python.pdf>

Kaggle Housing Prices Advanced Regression

<https://www.kaggle.com/c/house-prices-advanced-regression-techniques>

Sqlite analysis of SF

<https://www.kaggle.com/bbusath5/sf-bike-share-exploration-with-sql>

Practical SQL Guide for Relational Databases

https://www.researchgate.net/publication/319852714_Practical_SQL_Guide_for_Relational_Databases

Module 4

Neural Networks: Andrew Ng interviewing Geoffrey Hinton

<https://www.youtube.com/watch?v=Zhvk8SCxaMk>

An Introduction to R

<https://cran.r-project.org/doc/manuals/r-release/R-intro.pdf>

Econometric Data Science: A Predictive Modeling Approach

<https://www.sas.upenn.edu/~fdiebold/Teaching104/Econometrics.pdf>

Introduction to Econometrics with R

<https://www.econometrics-with-r.org/index.html>

R for Data Science

<http://www.allitebooks.in/r-data-science/>

R download

<https://cran.r-project.org/index.html>

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R Studio download

<https://www.rstudio.com/>

Anaconda

<https://www.anaconda.com/distribution/>