Resource for other resources:

<https://academy.vertabelo.com/blog/12-best-data-science-resources-on-the-internet/>

<https://www.learndatasci.com/best-data-science-online-courses/>

<https://www.freecodecamp.org/news/i-ranked-all-the-best-data-science-intro-courses-based-on-thousands-of-data-points-db5dc7e3eb8e/>

Using Git:

<https://kbroman.org/github_tutorial/pages/init.html>

Data Science Blogs:

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

Competitions:

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

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

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

Courses with projects:

Intro Computer Science from Harvard (in R)

<https://github.com/cs109/2018-cs109b>

**Data Mining (free)**

<https://www.kdnuggets.com/data_mining_course/index.html#modules>

**freecodecamp**

<https://www.freecodecamp.org/learn/>

1. **Scientific Computing w/ Python Cert**
2. **Data Analysis w/ Python Cert**
3. **Data Visualization Cert**
4. **Machine Learning w/ Python Cert**
5. **APIs and Microservices Cert**
6. **Coding Interview Prep**
7. Responsive Web Design Cert

Open source curriculum guide resources:

<http://datasciencemasters.org/>

Monthly subscription courses for data scientist & data engineer:

<https://www.dataquest.io/data-science-courses-directory/>

Coursera Courses:

**U Michigan Applied Data Science with Python Specialization (Intermediate) (~5 mo, 6 hr/wk)**

<https://www.coursera.org/specializations/data-science-python>

**Intro to Data Science**

**Applied Plotting, Charting**

**Applied Machine Learning**

**Applied Text Mining**

**Applied Social Network Analysis**

Johns Hopkins Data Science: Statistics & Machine Learning Specialization (Intermediate) (~6 mo, 6 hr/wk) Uses R

<https://www.coursera.org/specializations/data-science-statistics-machine-learning>

Statistical Inference

Regression Models

**Practical Machine Learning**

**Developing Data Products**

Data Science Capstone

IBM AI Engineering Professional Certificate (Intermediate) (~8 mo, 3 hr/wk)

<https://www.coursera.org/professional-certificates/ai-engineer>

**ML w/ Python**

**Scalable ML using Apache Spark**

**Intro to Deep Learning & NN w/ Keras**

**Deep NN w/ PyTorch**

**Building Deep Learning Models w/ TensorFlow**

**AI Capstone w/ Deep Learning**

Advanced Data Science with IBM (Advanced) (~4 mo, 5 hr/wk)

<https://www.coursera.org/specializations/advanced-data-science-ibm>

**Fundamentals of Scalable Data Science**

**Advanced ML and Signal Processing**

**Applied AI with DL**

**Advanced Data Science Capstone**

Advanced ML Specialization (Advanced) (~10 mo, 6 hr/wk)

<https://www.coursera.org/specializations/aml>

Intro to DL

How to win Kaggle Competitions

**Bayesian Methods for ML**

Practical Reinforcement Learning

**DL for Computer Vision**

**NLP**

Addressing Large Hadron Collider Challenges by DL

Advanced ML w/ TensorFlow on Google Cloud Platform Specialization (Advanced) (~3 mo, 5 hr/wk)

<https://www.coursera.org/specializations/advanced-machine-learning-tensorflow-gcp>

**End-to-end ML w/ TensorFlow on GC**

**Production ML Systems**

**Image Understanding w/ TensorFlow on GCP**

**Sequence Models for Time Series and NLP**

**Recommendation Systems with TensorFlow on GCP**