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I have answered a similar question before, but here is what I think.

There are a number of popular data science MOOCs. You can look for these, for example on [edX](#), by searching for keywords data science, R, python, data analytics, big data. or Spark. The particular course depends on what you are looking for as discussed below.

A great data science program was launched recently by Microsoft [Data Science Curriculum from Microsoft](#). The first course in this program is a [Data Science Orientation](#) course that provides a great introduction to data science. You can take either the python or the R branches of this program depending on your interest.

One of the student favorites is the data science XSeries Program from Columbia University's world-renowned Data Science Institute. This sequence of courses is described as follows: "Taught by a distinguished team of professors at Columbia University's Data Science Institute, this XSeries is perfect for anyone who wants to understand basic concepts in data science." This series of courses is ideal for someone that wants to get a basic understanding of Data Science, or for managers and leaders that want to launch a data science program at their company or university. The program includes courses on basic data science concepts and statistical thinking for data science, machine learning for data science, data science and the Internet of Things. Although I have not taken this course myself, a Columbia alum (and therefore probably a bit biased) and a good friend of mine remarked to me that the first course in this program "[Statistical Thinking for Data Science and Analytics](#)" is the best statistics course for data science out there.

There are several courses on edX on programming for data science. There are several important programming languages for data science including Python, R, and Apache Spark.

Harvard and Microsoft both offer popular courses on R. Karolinska (the university where assemblies that select many of the Nobel Prizes come from) also offers a course on statistics using R.

There are several courses on Python, including from MIT and Microsoft.

Berkeley also offers a hugely popular, hands-on, data science program on big data with Apache Spark.

There also are several courses on data and business analytics from MIT and Delft.

If you are interested in data science ethics, then I would do the course from Michigan.

HK Poly offers a great course on knowledge management and big data for business.