

Python vs. R

GoSkills online course syllabus

Skill level

Beginner

Lessons

15

Pre-requisites

No prior experience needed

Video duration

39m

Estimated study time

40m 1s

Instructor

Lavanya Vijayan

Getting started

- 1 Python vs. R**
Python and R are two very popular programming languages used in the data science world.
- 2 Important notes**
Before diving into the topics discussed in this course, there are a few things you should be aware of.

Python vs. R

- 3 Working with programming languages**
There are specific programming languages that play nicely in the context of the data science world.
- 4 Using Python**
Using Python when working on data science projects can be a valuable tool.
- 5 Using R**
R is a helpful analytics language for working in the data science world.
- 6 Comparing Python and R**
Python and R are both valuable languages to use when tackling a data science initiative.

Key Differences in Handling Data

- 7 Data loading**
When loading your data, the method you will use depends on the type of data file you have and the programming language you're working in.

8 Data exploration

There are different approaches to data exploration depending on which programming language you are using.

9 Data cleaning and manipulation

Python and R can both be extremely valuable to use when cleaning and manipulating your data.

10 Data visualization

Visualizing your data is a crucial aspect of discovering and communicating trends captured by your data, so it's necessary to carry out the right steps to create visualizations.

Data Analysis in R and Python

11 Data analysis in R

There are many strategies for conducting data analysis in R.

12 Data analysis in Python

Python can be a very useful language to perform data analysis.

Applications

13 Data science applications with Python

There are several common applications of Python in which it's the better tool to use.

14 Data science applications with R

There are applications of R in which it's the better language to use for data science projects.

Moving Forward

15 Unlocking data analysis in Python or R

Now that you've finished this course, you should feel armed to determine which programming language to use and when to use them in different scenarios.

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