Goskills

Python vs. R

GoSkills online course syllabus

Skill level	**Lessons**	**Accredited by**
Beginner	15	Verified by GoSkills

Pre-requisites	**Video duration**	**Estimated study time**
No prior experience needed	39m	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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