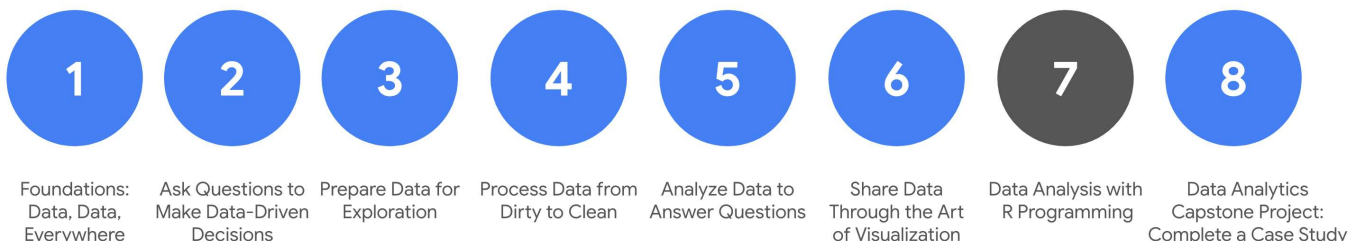# Course syllabus

In previous courses, you learned how to use structured thinking to solve business problems; prepare, clean, transform, and analyze data in spreadsheets and databases; and tell effective data stories. As part of your growing skillset, you also learned how to create dynamic and interactive data visualizations in Tableau. Up until now, the skills you learned were closely tied to the features and capabilities available in spreadsheets, SQL databases, and Tableau. But what if you want to work with your data in more custom ways? Or what if the standard tools don't have the exact functionality you need? This is when the R programming language can be super helpful. Using R, you will gain additional flexibility and control over your data and analysis.

1	2	3	4	5	6	7	8
Foundations: Data, Data, Everywhere	Ask Questions to Make Data-Driven Decisions	Prepare Data for Exploration	Process Data from Dirty to Clean	Analyze Data to Answer Questions	Share Data Through the Art of Visualization	Data Analysis with R Programming	Data Analytics Capstone Project: Complete a Case Study

1. [Foundations: Data, Data, Everywhere](#) ↗

2. [Ask Questions to Make Data-Driven Decisions](#) ↗

3. [Prepare Data for Exploration](#) ↗

4. [Process Data from Dirty to Clean](#) ↗

5. [Analyze Data to Answer Questions](#) ↗

6. [Share Data through the Art of Visualization](#) ↗