coursera

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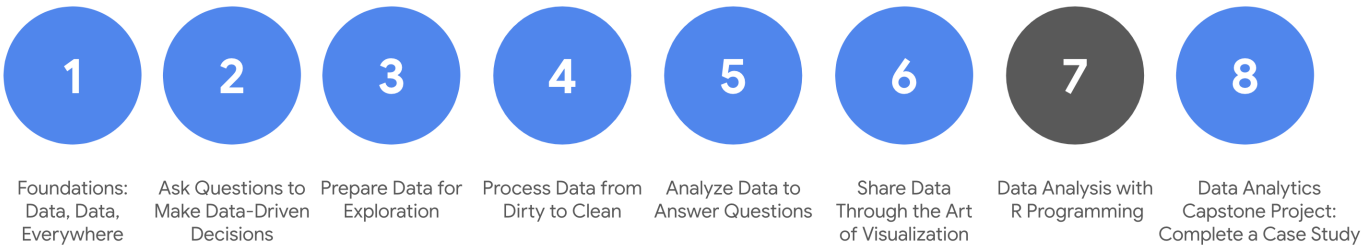
Course syllabus

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. 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
7. **Data Analysis with R Programming** *(this course)*
8. Google Data Analytics Capstone: Complete a Case Study

In this course, you will learn how to use the R programming language to work with your data without tool limitations. You will get plenty of practice using R for statistical analysis, and RStudio—an integrated developer environment (IDE) for R that you will use to create advanced data visualizations with lots of detail. R makes it easier to present your data with beautiful, artistic style. A few other advantages of R include its:

- **Popularity**: R is frequently used for data analysis