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When to use RStudio

As a data analyst, you will have plenty of tools to work with in each phase of your analysis. Sometimes, you will be able to meet your objectives by working in a spreadsheet program or using SQL with a database. In this reading, you will go through some examples of when working in R and RStudio might be your better option instead.



Why RStudio?

One of your core tasks as an analyst will be converting raw data into insights that are accurate, useful, and interesting. That can be tricky to do when the raw data is complex. R and RStudio are designed to handle large data sets, which spreadsheets might not be able to handle as well. RStudio also makes it easy to reproduce your work on different datasets. When you input your code, it's simple to just load a new dataset and run your scripts again. You can also create more detailed visualizations using RStudio.

When RStudio truly shines

When the data is spread across multiple categories or groups, it can be challenging to manage your analysis, visualize trends, and build graphics. And the more groups of data that you need to work with, the harder those tasks become. That's where RStudio comes in.

For example, imagine you are analyzing sales data for every city across an entire country. That is a lot