

UNIX Command Line

While data scientists use a lot of sophisticated tools, sometimes the good ol' Unix command line is the best tool for the job. This is since many Unix commands are highly efficient for data and text manipulation. Unix helps users combine existing programs, automate tasks, and leverage clusters and clouds to run programs. In this section, you'll learn about the most useful commands for data wrangling and cleaning.

Remember: ***this resource is entirely optional***. Don't feel obliged to complete all or even any of these resources if you feel you're pushed for time.

To complete this section, work through the following resources and exercises:

- [Introduction to shell for data science](#) - This resource introduces the key elements of Unix command line. If you already have a strong background in Unix, use this opportunity to refresh your knowledge.
- [Command line challenge](#) - Gain additional practice on the command line with these interactive challenges.
- [Data science at the command line](#) - This e-book serves as an advanced resource for students who are already familiar with shell commands and programming and would like to take their command line data crunching skills up a notch. If you completed all the previous resources and feel comfortable with them, we recommend you complete this one too!