

CHAPTER OVERVIEW

10: Cleaning Up Data

When we try to calibrate an analytical method (Chapter 8) or to optimize an analytical system (Chapter 9), our ability to do so successfully is limited by the uncertainty, or noise, in our measurements and by background signals that interfere with our ability to measure the signal of interest to us. In this chapter we will consider ways to clean up our data by decreasing the contribution of noise to our measurements and by correcting for the presence of background signals.

[10.1: Signals and Noise](#)

[10.2: Improving the Signal-to-Noise Ratio](#)

[10.3: Background Removal](#)

[10.4: Using R to Clean Up Data](#)

[10.5: Exercises](#)

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