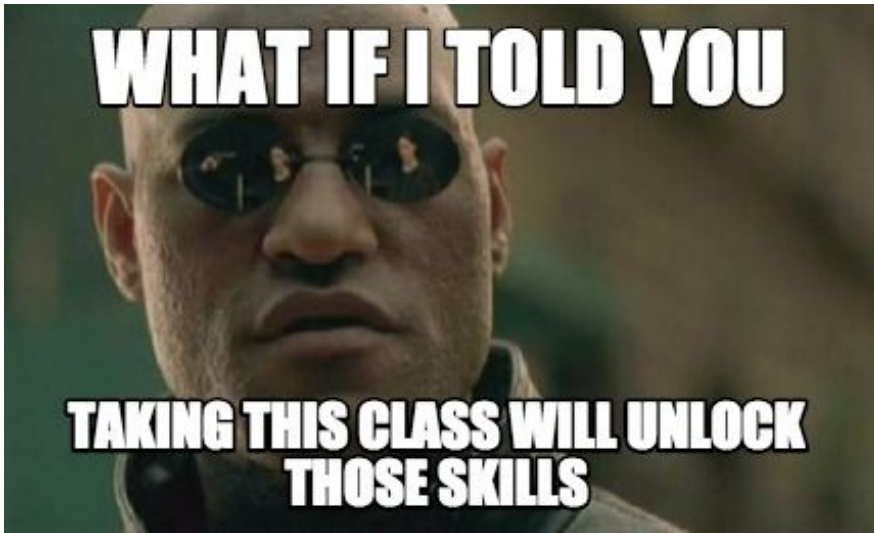# *Do you want real data analysis skillz?*

MAT/BIO 494:
Data Analysis and
Computation
in Neuroscience

Spring 2018, M/W 9-10:15

Biological data are messy. There's a lot of work to be done between collecting the data and <u>winning that Nobel Prize</u> or <u>just getting paid</u>. Analyzing data is an art all its own.

In this course, we explore neuroscience datasets from physiology, anatomy,

and psychology, and learn how to extract, transform, and visualize these data to communicate with scientists and the public. We will learn how to determine what the data are telling us, and just as importantly what they aren't. Some of the work will involve running and even writing small computer programs, although no computer science prerequisites are required or expected.