Closing Thoughts

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7 Stages to Data Science

- 1. Define the question of interest
- 2. Get the data
- 3. Clean the data
- 4. Explore the data
- 5. Fit statistical models
- 6. Communicate the results
- 7. Make your analysis reproducible

Prerequisites

- Access to a multi-core (24 cpu or greater), 'high' memory 64Gb or greater Linux server.
- Familiarity with the 'command line' and at least one programming language.
- Basic knowledge of how to install software
- Basic knowledge of R (or equivalent) and statistical programming
- Basic knowledge of Statistics and model building

The Bottom Line:

Spend the time (and money) planning and producing **good quality, accurate and sufficient data** for your experiment.

Get to know to your data, develop and test expectations

Result, you'll **spend much less time** (and less money) extracting biological significance and results during analysis.

Workshop computing reservation

• workshop ACTIVE Saturday Dec 23 11pm, 2017

My recommendation is to follow all of the instructions again, from the beginning on your own and send emails to

training.bioinformatics@ucdavis.edu

And we will be responsive to answering questions