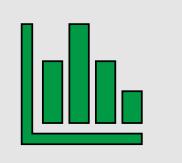
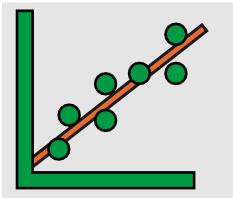
Making Magnificently Good Graphs: Introduction

BERDC Special Topics Talk 3, Part 1









Dr. Mark Williamson

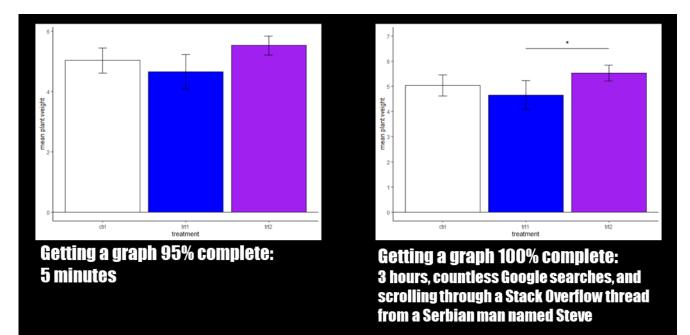
Biostatistics, Epidemiology, and Research Design Core





Rationale

- Making clear, clean, and appealing graphs is an important step in presenting scientific results
- However, it can be difficult to attain
- Often a high learning curve to adjust the various graphical parameters







Rationale Vol. 2

- Most of the information presented here can be found with a web search
- However, it can take a lot of work to find all the pieces
- Hopefully, this series of special topic talks will aid you in that attempt
- This is the first step of the great path of learning how to do it yourself

















➤ Check the Statistical Software Toolkit video a deeper look into the pros and cons of each software package

https://youtu.be/qBC4wYTK89E

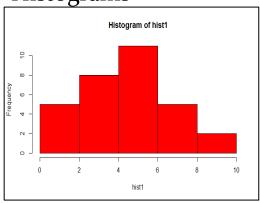




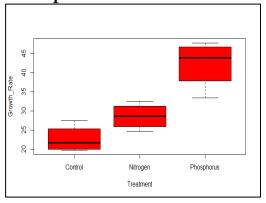




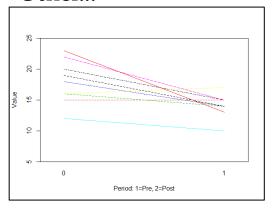
Histograms

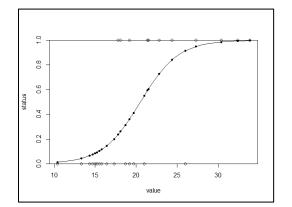


Boxplots

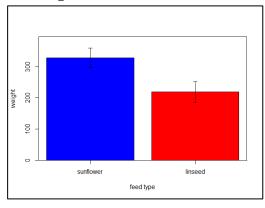


Other...

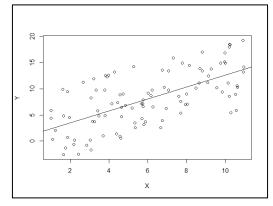


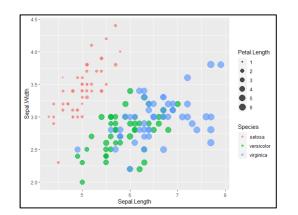


Bar plots



Scatter plots



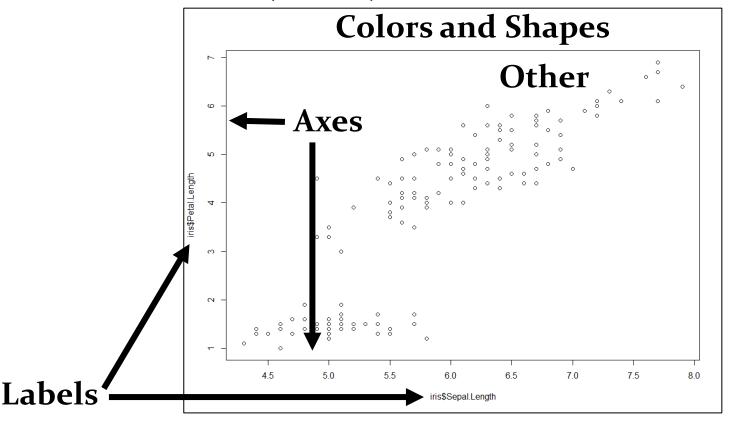






Elements Covered

Dots, Lines, and Text

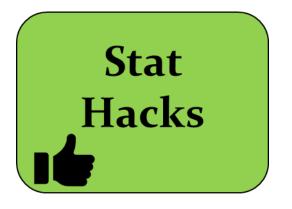














Animated Summaries



Further Exploration

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• Before continuing to the content videos please take a few minutes to complete the pre-tests



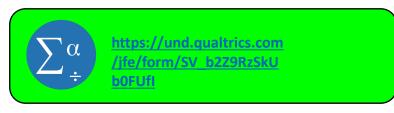


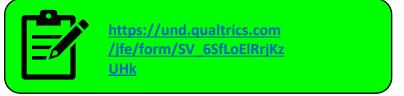


• Similarly, when you are done with the videos, please take the post tests and a short survey















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- For the labs that use the Biostatistics, Epidemiology, and Research Design Core in any way, including this Module, please acknowledge us for publications. "Research reported in this publication was supported by DaCCoTA (the National Institute of General Medical Sciences of the National Institutes of Health under Award Number U54GM128729)".

