

Model Based Statistics in Biology

Chapter 3 Re-scaling Measured Quantities (Schneider, 2009, Chapter 5)

ReCap. Quantitative Reasoning(Ch 1)
Quantities (Ch2)

Re-Scaling (Ch3)

3.1 Logical Re-scaling

3.2 Operations on Ratio Scale Quantities

3.3 Descriptive Statistics and Rescaling

3.4 Unit Conversion and Rigid Rescaling

Not here last time?
Course Outline
Name on roster

on chalk board

Recap Chapter 1

Quantitative reasoning: Example of scallops, which combined stats and models

Recap Chapter 2

Quantities: Five part definition

Measurements made on four types of scale: nominal, ordinal, interval, ratio

Data collection, recording, and error checking

Graphical and tabular display of fully defined quantities

Units are useful in reasoning about quantities.

Distinguish derived from base units, then define standard multiples.

Dimensions (groups of similar units) are useful in quantitative reasoning.