Open Resources for Teaching Statistics

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Many degrees of Openness

Common characteristics

- Online
- No access restrictions
- No cost
- Free-to-modify

OpenIntro

About 10 minutes of content

What is statsTeachR.org?

The basics

- a new, open-access, online repository with modular lesson plans
- materials targeted at undergraduates and graduates
- topics: stats, biostats, statistical computing with R

Modules

- each curricular "module" focuses on teaching a particular statistical subject or concept
- can be browsed à la carte

statsTeachR.org

Website tour: statsTeachR.org

statsTeachR enables collaborative curriculum development

Some ongoing experiments for building curriculum

- ▶ graduate students are creating modules as final projects in core Biostat classes at UMass
- ▶ co-development of materials for similar classes (UMass-Amherst and Columbia Univ)

Discussion questions

- where does the time/money/person-hours come from to generate these resources?
- how to incentivize these kinds of contributions appropriately?
- how to control quality of resources?