

Instructor: AG Schissler

Course: STAT 445-645

Unit title: Intro to R

Lesson title: Intro to the course

Date(s): 27 Aug 2018

Lesson length: 75 min

Type of lesson: ☒ Acquisition ☐ Extending/refining ☐ Assessment

Unit Learning Outcomes	Students will be able to (SWBAT) use R to store/manipulate data and create reproducible documents in R Markdown.
Beginning of class	5-10 min, use “primary” effect
Engagement trigger: Most important information: Start-of-class-work:	Interactive R demonstration; rationale for learning/personal story Show website, syllabus, learning outcomes, rubrics open R Studio and navigate to course website
Middle of class	10-20 min segments, follow “I do”, “We do”, “You do”
Segment 1 learning outcomes: Strategies :	SWBAT use course resources and basic git commands Instructor leads tour of website, Canvas, forum, github Students use git and web browser to retrieve R demonstration
Segment 2 learning outcomes: Strategies :	SWBAT use R Markdown to produce HTML, PDF, or Word documents Instructor demonstrates/discusses R Markdown in RStudio Students compile (“knit”) an R Markdown document
Segment 3 learning outcomes: Strategies :	SWBAT use DataCamp for online, independent learning Instructor tours DataCamp and expectations Students enroll, tour, play for a bit
Segment 4 learning outcomes: Strategies :	
End of class	5-10 min, “Recency” effect, Student-led summary, balance/vary activities
	Answer the following “What?”, “So what?”, “Now what?”