Instructor: AG Schissler   Course: STAT 445-645

Unit title: R Programming   Lesson title: Data structures in R

Date(s): 29 Aug 2018   Lesson length: 75 min

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

Unit Learning Outcomes	Students will be able to (SWBAT) program efficiently in R and create reproducible documents.
Beginning of class	5-10 min, use "primary" effect
Engagement trigger: Most important information: Start-of-class-work:	Case study: Gauss's famous sum of integers How to work with data structures in R open R Studio and download the Rmd for today
Middle of class	10-20 min segments, follow "I do", "We do", "You do"
Segment 1 learning outcomes: Strategies :	SWBAT use R vectors and factors
Segment 2 learning outcomes: Strategies :	SWBAT use lists
Segment 3 learning outcomes: Strategies :	SWBAT use data.frames
Segment 4 learning outcomes: Strategies :	
End of class	5-10 min, "Recency" effect, Student-led summary, balance/vary activities