Curating for Reproducibility: How to make your thesis, dissertation, or scientific paper transparent and reproducible

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The imperative of scientific reproducibility offers researchers a rationale for inserting best practices early into the research lifecycle. We consider activities that ensure that statistical and analytic claims about given data can be reproduced with that data, curating for reproducibility (CURE). This half day workshop will teach participants practical strategies for publication-ready and independently understandable research materials for reproducibility. The workshop will be based on the data quality review, a framework for helping ensure that research data are usable, that code executes properly and reproduces analytic results, and that all digital scholarly objects are well documented. The workshop will introduce models for putting this framework into practice developed by the co-founders of the Curating for Reproducibility (CURE) consortium composed of the Institution for Social and Policy Studies (ISPS) at Yale University, the Cornell Institute for Social and Economic Research (CISER) at Cornell University, and the Odum Institute for Research in Social Science at the University of North Carolina at Chapel Hill. Participants will learn about the basic components of the CURE workflow using examples and hands-on activities. You can know more about the CURE Consortium and short bios of the co-founders/workshop instructors here: http://cure.web.unc.edu/

1:00 – 1:30  
Introduction to Curation for Reproducibility (CURE)

1:30 – 2:00  
CURE Components: The Data Quality Review Framework

2:00 – 2:30  
Models of CURE Practice

2:30 – 2:45  
Break

2:45 – 3:45  
Exercise: Data & Code Review

3:45 – 4:00  
Discussion: Knowledge and Skillsets to Support CURE Workflows

4:00 – 4:15  
Q&A/Wrap-up

Dates:
Preferred: 22 April 2019  |  1:00 – 4:15
Alternative: Saturday

No. of Participants: 20-30

Requirements: Participants must bring their laptop with Stata pre-installed and must be proficient in Stata. Exercises for the workshop will be in Stata.