WSSR WORKSHOPS ON SOCIAL SCIENCE RESEARCH

Concordia UNIVERSITY · FACULTY OF ARTS AND SCIENCE

Introduction to Quantitative Research Methods

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May 30-31, 2017 - 9:00am – 4:30pm

This workshop is intended to introduce students to quantitative analysis in the social sciences. The topics to be covered include: the postulates of science, the scientific method, survey research, sampling, hypothesis-testing, concept operationalization, univariate analysis, bivariate analysis, inferential statistics, measures of association, and an introduction to multivariate analysis. By the end of this workshop, participants will be more comfortable designing their own research, seeking out, employing and analyzing primary data, as well as interpreting and questioning the use of primary data analysis by other scholars and academics.

Outline
1. Introduction
    a. Postulates of science
    b. The scientific method
    c. What is survey research
    d. What is sampling
2. The Basics
    a. Concepts
    b. Hypotheses
    c. Univariate Analysis
3. Digging Deeper
    a. Bivariate Analysis
    b. Inferential Statistics
    c. Measures of Association
4. Drawing Conclusions
    a. Introduction to Multivariate Analysis
    b. Telling a story with your data

Required Readings:
Archer, Keith and Loleen Berdahl. *Explorations: Conducting Empirical Research in Canadian Political Science (Second Edition)*. Don Mills, Ontario: Oxford University Press, 2011, chapters 1, 2, 3, 4, 8, 15, 16, 17, and 18.