EPPS2303 - Descriptive and Inferential Statistics for the Social and Policy Sciences

EPPS 2303 Descriptive and Inferential Statistics for the Social and Policy Sciences (3 semester credit hours) Statistical procedures used to analyze relationships in the social and policy sciences. Subject matters cover: display (frequency, contingency tables); data types (continuous, categorical); measurement (central tendency, variability); probability distributions (discrete, continuous, normal); inference (hypothesis testing, sampling distributions, confidence intervals); testing differences in means, proportions, variances, frequencies, medians and ranks (z-test, t-test, power, chi-square test, ANOVA, Wilcoxon, etc.); association (correlation); explanation and prediction (regression); and software applications. Students completing this course will be knowledgeable consumers of statistical information and prepared to undertake advanced statistics courses. NOTE: EPPS 2302 or EPPS 2303 is required for all School of Economic, Political and Policy Sciences majors and is a prerequisite for required research methods courses in economics (ECON 3304). Credit cannot be received for both courses, EPPS 2302 and EPPS 2303. Prerequisite: MATH 1314 or equivalent. (3-0) S