Geography and Regional Planning

Fall 2011

GARP0346 - Quantitative Methods Online

Three (3) credit hours. Online Core Class

INSTRUCTOR: Robert S. Bristow, Ph.D.

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OFFICE HOURS: 24/7

<u>Quantitative Methods</u>: Introduces students to a variety of statistical methods used in planning research. Classwork includes both lectures and PC-based computer analysis. Topics include measurement levels, frequency distributions, crosstabulations, chi-square, t-tests, regression, and correlation. Assumes no prior computer use. Prerequisite: Sophomore status. **This course satisfies Applied Analytical Reasoning Core at Westfield State.**

- Sharpen critical, theoretical and analytical thinking skills.
- Develop quantitative reasoning skills.
- ❖ Learn how to utilize advanced computing technology for research and evaluation.
- Develop ability to effectively communicate scientific ideas orally and through writing.
- Understand ethics related to research.

<u>Text</u>: Salkind, N., 2011. Statistics for People Who (think they) Hate Statistics, 4th ed. London: Sage Publications. (*Previous editions OK, providing they are SPSS version and not Excel*) Paper ISBN 9781412979597 Suggested retail \$58.95
Paper with Software CD 9781412979603 Suggested retail \$84.95

Software: Ether use campus labs or purchase textbook with Software

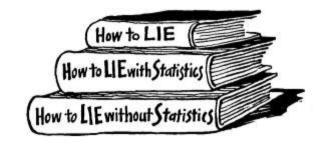
Media: A flash drive is nice to back up data

<u>Format</u>: Online course moves through the text and weekly exercise. Two Open Book exams and weekly assignments. I encourage getting a study partner.

Grading: 400 total points

A = 360+ points B = 320-359 points C = 280-319 points D = 240-279 points

Plus and Minus grades are calculated at the end of the semester.



Material covered includes descriptive statistics, measures of central tendency, variability, correlations, hypothesis testing, inferential statistics, t-tests, simple regression.