

Hunter College of The City University of New York

STAT 614 Data Analysis Using Statistical Software (TOP/Edu) 3 hrs, 3 cr.

Software: “ActivStats”, 2009; 7th Edition

UNDERSTANDING DATA

Data and Measurement

The Distribution of One Variable

Summaries

Normal Density

UNDERSTANDING RELATIONSHIPS

Boxplots

Scatterplots

Correlations

Least Square Regression

EXPERIENCE WITH RANDOM BEHAVIOR

Randomness

Intuitive Probability

Random Variables

Sampling Distributions

STATISTICAL INFERENCE

Estimating with Confidence

Confidence Intervals for a Mean

Testing Hypotheses

Tests for a Mean

TOPICS IN INFERENCE

*Comparing two means (If time permits)

*Cross Tabulation and Chi Square (If time permits)

Inference for Regression

*Multiple Regression (If time permits)