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Facebook Groups:

/statausersgroup * /raschmeasurement */ systatusersgroup vdcarrion@gmail.com



BIOSTATISTICS II
CRME 421
Time: 5:00-8:00 pm
Location: CTRE. room 504
Ramón A. Durazo-Arvizu, PhD.
Professor
Public Health Sciences

(708) 327-9007 rdurazo@luc.edu

1/54

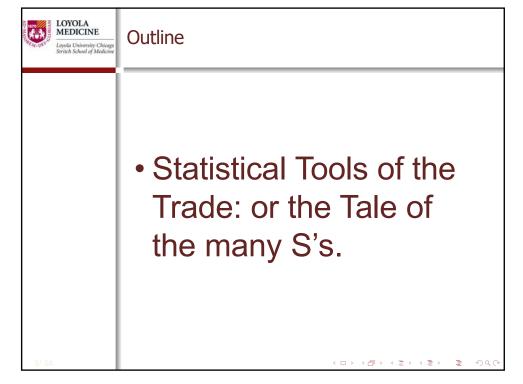


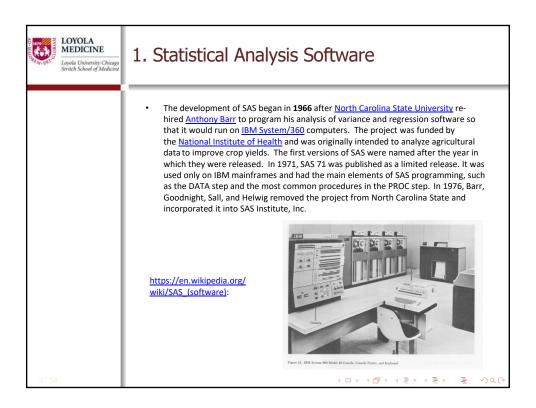
Outline

- Humanware Introductions
- Statistical Tools of the Trade: or the Tale of the many S's.
- Walkthrough of Stata's Windowing system
- Overview of Stata command line programming

2/ 54

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2. Statistical Package for the Social Sciences

The software was released in its first version in 1968 as



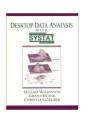
- the Statistical Package for the Social Sciences (SPSS) after being developed by Norman H. Nie, Dale H. Bent, and C. Hadlai Hull. Those principals incorporated as SPSS Inc. in 1975. Early versions of SPSS Statistics were designed for batch processing on mainframes, including for example IBM and ICL versions, originally using punched cards for input. A processing run read a command file of SPSS commands and either a raw input file of fixed format data with a single record type. From version 10 (SPSS-X) in 1983, data files could contain multiple record types.
- http://www.ibm.com/analytics/us/en/technology/spss/spsstrials.html



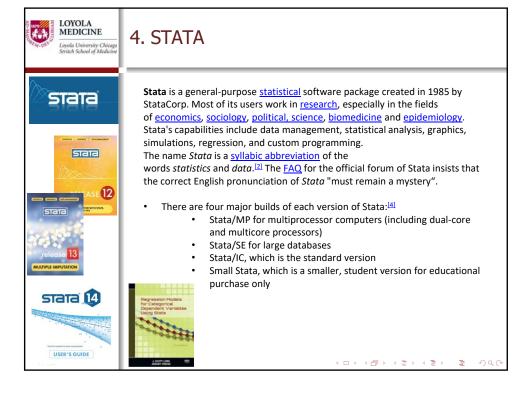


3.The SYStem for STATistics

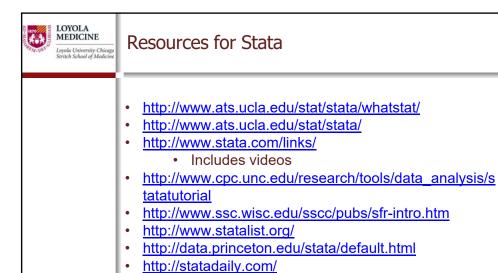




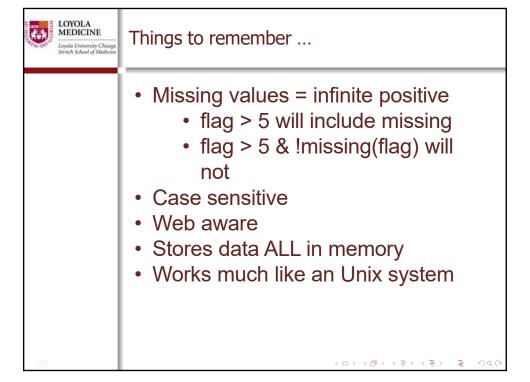
SYSTAT is a <u>statistics</u> and statistical graphics <u>software</u> package, developed by Leland Wilkinson in the late 1970s, who was at the time an assistant <u>professor</u> of psychology at the <u>University of Illinois at Chicago</u>. Systat was incorporated in 1983 and grew to over 50 employees. In 1995 SYSTAT was sold to SPSS Inc., who marketed the product to a scientific audience under the SPSS Science division. By 2002, SPSS had changed its focus to business analytics and decided to sell SYSTAT to Cranes Software in Bangalore, India. Cranes formed Systat Software, Inc. to market and distribute SYSTAT in the US, and a number of other divisions for global $% \left\{ \left(1\right) \right\} =\left\{ \left($ distribution. The headquarters are in Chicago, Illinois. By 2005, SYSTAT was in its eleventh version having a revamped codebase completely changed from Fortran into C++. Version 13 came out in 2009, with improvements in the user interface and several new features.



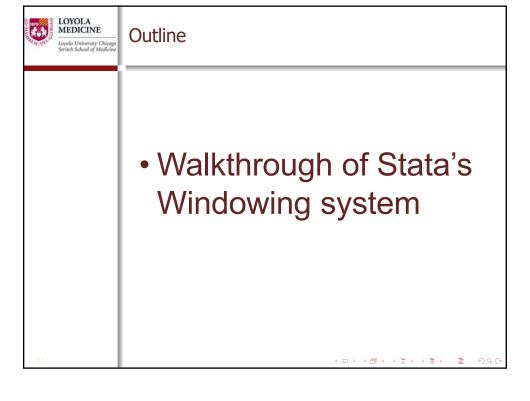


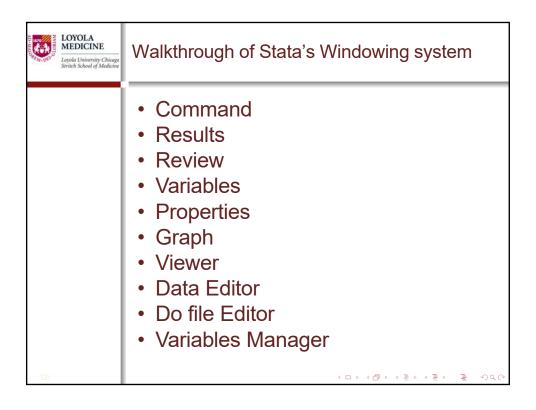


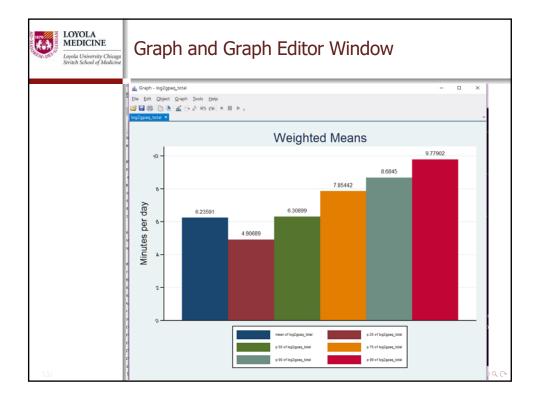
https://stat.utexas.edu/training/software-tutorials#stata https://www.facebook.com/groups/statausersgroup/

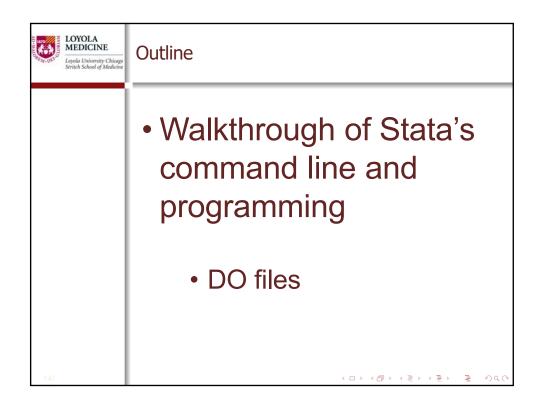


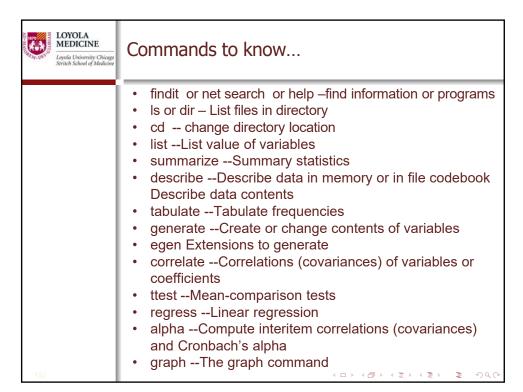
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	One sample	Two samples		N samples
		Dependent Observations	Independent Observations	Independent Observations
Nominal or categorical data	Binomial Test		χ²-test (r x 2)	χ²-test (r x k)
have been o	Kolmogorov- Smirnov (one- sample) tney 0 Test-Te trawn from the er, by(study)	Sign test Wilcoxon signed ranks test est whether two s e same population	Mann-Whitney U test Kolmogorov- tatistically fridepers sample) n with respect to	Kruskal-Wallis test endent groups the mean.
/*Kolmogo	, , , , , , , , , , , , , , , , , , , ,		two statistically in	ndependent group

