Examples

What is SOCR?

Web-based interactive learning environment accessible over the Internet
Developed under Java, a highly-portable development language, aimed for open source in the science and education community
Widely used in UCLA statistics undergraduate courses and research labs
Convenient statistics online tutorial with many graphs
Utilization: Over 500,000 active users since January 2002
Complete resource machine-translation in over 24 languages

SOCR Components

- **Analyses** – interactive tools for data mining, residual diagnostics, computation of power and sample size
- **Charts** – a graphical package for online data visualization, including various useful video-like examples
- **Distributions** – demonstrate commonly-used distributions with features allowing user-entered parameters
- **Experiments** – in-class virtual probability experiments and simulations
- **Games** – provide fun learning experiences
- **Modeler** – dynamic models for user-provided or randomly-generated data

Recent SOCR Developments

- **Distributome** – interactive graphical exploration of probability distributions
- **Power** – Graphical Power Analysis added for the SOCR Analysis tool
- **Modeler** resources for model fitting and assessment
- **Wiki EBook** – the first complete, collaboratively-open, multilingual probability & statistics EBook

References: [http://socr.ucla.edu/htmls/SOCR_References.html](http://socr.ucla.edu/htmls/SOCR_References.html)

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