Examples

**What is SOCR?**

**Statistical Online Computational Resource**

- **Web-based interactive learning environment accessed virtually anywhere around the world.**
- **Developed under Java**, a highly-portable development language, aimed for open source in the science and education community.
- **Widely used among UCLA Statistics undergraduate classrooms and research labs.**
- **Convenient statistics online tutorial** with many graphs.
- **Utilization:** Over 90,000 active users since January 2002.

**Existing SOCR Components**

- **SOCR Analyses** for data mining, residual diagnostics, computation of power and sample size.
- **SOCR Charts:** A graphical package for online data visualization, including various useful video-like examples.
- **SOCR Distributions** demonstrate commonly-used distributions with features allowing user-entered parameters.
- **SOCR Experiments:** In-class virtual probability experiments.
- **User-Interact SOCR Games** enable fun-learning experience.
- **SOCR Modeler** models user-entered or randomly generated data.

**Recent SOCR Developments**

- **SOCR-IR Interface imports R-functions** via server communication.
- **Graphical Power Analysis** added for the SOCR Analysis tool.
- **Revision of SOCR Modeler** polishes its **Graphical User Interface**.
- **SOCR Wiki** page launched, including over 10 language translation.

**References**

- http://socr.ucla.edu/htmls/SOCR_References.html
- doi:10.1140/leomath.2006.08.04
- Dinov, ID and Sanchez, J. Assessment of the pedagogical utilization of the statistics online computational resource in introductory probability courses: a quasi-experimental, international, association for statistical education, ICOTS7, July 7-12, 2006, Salvador, Brazil (conference proceedings)

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http://socr.ucla.edu/htmls/SOCR_Acknowledgements.html

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Examples