

CTSpedia: A Collaborative Working Environment



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CTSpedia



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Clinical and Translational Science Awards (CTSA)

- Funded by the National Center for Research Resources
- A consortium of 46 medical research institutions
- CTSA = academic home for clinical and translational research
- Increase efficiency and speed of clinical and translational research



Building a Collaborative Environment

- History of NIH's CTSA
- History of the CTSpedia
- Working in a Wiki Environment
- Original Structure of the CTSpedia
- Expanding the Working Environment of the CTSpedia – Statistical Graphics



Five Strategic Goals of the CTSA

- National clinical and translational research capability
- Training and career development of clinical and translational scientists
- Consortium-wide collaborations
- Health of our communities and the nation
- T1 (bench to bedside), T2 (community)



BERD Key Function Committee

- 2005: First 12 CTSA sites announced.
- 2006: CTSA Biostatistics, Epidemiology, and Research Design (BERD) key function committee started.
- BERD formed the Online Resources and Education Task Force
 - Goals: to promote use of online resources for BERD research and education



History of the CTSpedia

- 2007: UCSF initiated pilot project for online bridge to their consultation service
- 2008: CTSA Administrative Supplement to UCSF, U Rochester, Vanderbilt, and UC Davis to transition project into CTSpedia
- 2009: ARRA supplement to U Rochester, Vanderbilt, UC Davis



CTSpedia Is a Wiki

- Share BERD knowledge, tools, and resources
- Encourage best practices
- Facilitate collaborations with CT investigators
- Easily correct mistakes through community review



You are here: [CTSPedia](#) > [CTSpedia Web](#) > [WebHome](#) (18 May 2010, [MaryBanach](#))

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CTSpedia: The Knowledge Base for Clinical and Translational Research


Welcome to the CTSpedia.

The CTSpedia is a collaborative vehicle for the [CTSA's](#) Biostatistics/Epidemiology/Research/Design (BERD) Online Resources and Education taskforce to identify and share resources across the national consortium and community researchers world-wide. With the support of the national BERD consortia, the project obtained funding and support from the National Center for Research Resources ([NCRR](#)) to expand the original scope and content of CTSpedia and foster collaboration amongst [CTSAs](#).

CTSpedia was created as a national effort to collect wisdom, tools, educational materials, and other items useful for clinical and translational researchers and to provide timely and useful advice to clinical and translational researchers with specific problems. For more information about the history and goals of the CTSpedia see [About Us](#).

As a wiki, the project develops through the collaboration and commitment of the users. The wiki structure is a flexible environment that allows all users to share and update the information. Let me give you a short tour of this environment. The wiki is composed of one or more webs. In this case, the public webs (on the right bar) are:

- [BERD Consortia](#) - Web designed for BERD collaborative work development.
 - [NEW BERD Evaluation Guidelines](#)
 - [NEW CTSA Goals Aligned with NIH 5 Priorities](#)
- [CTSpedia](#) - This is the primary web and entrance to CTSpedia projects and it includes [Research Topics](#), [Articles](#), and [Statistical Tools](#).
 - [NEW Lecture Series - Science of Small Clinical Trials](#)

 CTSpedia

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Statistical Tools

- [Online Statistical Calculators](#)
- [Statistical Web Services](#)
- [Statistical Graphics](#) **COMING SOON**
- [Free Statistical Packages, Online Tutoring, Sample Datasets](#)

Macros and R Scripts

- [Directions for Working with RScripts and SAS Macros](#)
- [R/S-PLUS Functions/Packages](#)
- [SAS Macros](#)
- [SAS Utility Macros](#)
- [SAS Macro Header](#)

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Topic revision: r27 - 26 May 2010 - 14:04:26 - [MaryBanach](#)

BERDpedia.StatisticalTools moved from BERDpedia.Tools on 08 Mar 2008 - 01:13 by [MichaelGold](#)

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- CTSpedia
- EducationalMaterials ←
- Forum
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- Expanding CTSpedia
 - Wiki is built for expansion
 - Adding new webs
 - Secure working environment
 - Group decides when to open the materials to public view



You are here: [CTSPedia](#) > [StatisticalGraphics Web](#) > [WebHome \(25 May 2010, MaryBanach\)](#)

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Statistical Graphics

Welcome to the Statistical Graphics Home page.

This is the portal to access Statistical Graphics.

For illustrative purposes (this will be modified at a later based on developments within the group), the following is a set of graphics created by Mat Soukup. Think of this as a beta version for now. You can search by:

- [Listing of All Statistical Graphics](#)
- [Listing of Statistical Graphics by Author](#)
- [Listing of Statistical Graphics Codes](#)
- [Listing of Statistical Graphics by Keyword](#)
- [Listing of Statistical Graphics Ratings and Comments](#)


Help for uploading your graphics can be found at ... (again, this is a work in progress for registering finalized graphics for the future - the form is being discussed within the [General Principles Subteam](#)).

- [Instructions for Uploading Your Graphics](#)

FDA-Industry-Academia Safety Graphics Working Group

- [Background Information on the Working Group](#)
- [Subteam Information within the Working Group](#)

Submission Form

 Create a new graphic document by name: (Use a topic name in [WikiNotation](#))

[Create by Name](#)


StatGraphTopicTemplate 25 May 2010 - 19:49 by MaryBanach

StatisticalGraphics Web Utilities

- [Search](#) - [advanced search](#)
- [WebTopicList](#) - all topics in alphabetical order
- [WebChanges](#) - recent topic changes in this web
- [WebNotify](#) - subscribe to an e-mail alert sent when topics change

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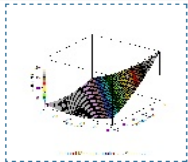
You are here: [CTSPedia](#) > [StatisticalGraphics Web](#) > [SensitivityAnalysis \(20 May 2010, MaryBanach\)](#)

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Sensitivity Analysis of Missing Data

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[StatGraphicsForm](#) [edit](#)

Title	Sensitivity Analysis of Missing Data
Graphic	Sensitivity Analysis Graphic 
Description	X and Y depict the percentage of the missing data which is imputed as responder. Z depicts the resulting chi-square statistic, two-sided alpha = 0.05 significance level would be 3.84 (cyan).
Author	Mat Soukup PhD
Background	Binary outcome is defined as a two grade improvement from baseline value. The data set is from a randomly generated data set located on the OB network drive. Impact
Impact	Sensitivity analysis exploring all possible ways to impute the missing data. Provides a general snapshot of the robustness to method of data imputation on efficacy findings.
Code - Attachment	R-script: Sensitivity Analysis of Missing Data
Code	
Keywords	sensitivity analysis, missing data, chi-square statistic
Classification-Evaluation	Efficacy
Classification-Graph Type	Perspective Plot
Classification-Relationship of Variables	Categorical versus Categorical
Classification-Data Types	Categorical
Rating	Sensitivity Analysis Rating
References	
Other	

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




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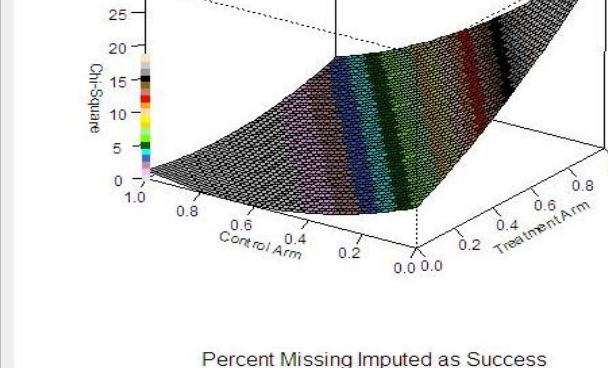


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Sensitivity Analysis

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Title	
Graphic	
Description	
Author	
Background	
Impact	Sensitivity analysis exploring all possible ways to impute the missing data. Provides a general snapshot of the robustness to method of data imputation on efficacy findings.
Code - Attachment	R-script: Sensitivity Analysis of Missing Data
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Classification-Graph Type	Perspective Plot
Classification-Relationship of Variables	Categorical versus Categorical
Classification-Data Types	Categorical
Rating	Sensitivity Analysis Rating
References	
Other	

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In Summary

- CTSpedia is a tool to develop online collaborations.
- Wiki plugins and other tools can help you articulate and display your ideas.
- Register for full access.

