

# A COMMUNITY REPOSITORY OF PROGRAM CODE

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OTS All Hands Meeting

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# Time for a Culture Change?

## CURRENT CULTURE



## FUTURE CULTURE



Lacks Efficiency  
Slowly Evolves  
Independent  
Passive

Promote Efficiency  
Advance Quickly  
Community  
Living

# While we can't promise EVERYTHING....

The goal is to bring together:



# The Wiki Way - What It Is



- Most popular and HIGHLY successful Wiki: **Wikipedia**.
- **Definition:** A wiki is a website that uses wiki software, allowing the easy *creation* and *editing* of any number of interlinked Web pages, using a simplified markup language [source: Wikipedia].
- Creation/Editing is done via the web browser - no fancy software is required.
- **Community** of users add/edit content → pages/website is not static but **ALIVE!**
- *Invokes* user participation to create or collaborate.
- Subject to GNU-GPL regulations making them free software programs.

# Building on The Wiki Way

A CSC Project Team set out to: Establish a **collaborative environment** for development of specialized program code (like SAS or SPLUS scripts or compiled code) for analytical tools.

- Tools could be registered by anyone - *internal or external*
- Tools would correspond to cutting-edge statistical methodology or analytical approaches for which there is no easy to use software solution
- The repository should be *public* to allow for development and refinement of tools from a community of users

Vision on July 17, 2009

# How the Site *Might* Look



LOGO

Repository Title Name

Institution

Jump

Search

[Register](#)

[Log In](#)

## Home Page

[Tools](#)

[Graphics](#)

[Best Practice](#)

[Development](#)

[Other Links](#)

## Wiki Links

[Sandbox](#)

[Frequently Asked  
Questions](#)

[Others](#)

Edit

Attach

### Analytical Tools

Tool Repository

Recently Added Tools

Most Used Tools

Highest Rated Tools

### Tool Development

Tool Needs

Tools Being Developed

Tools Completed

### Graphics

Graphic Tools

Recently Added

Highest Rated

### Best Practices

Listing

Recently Added

### Other Links

Announcements

Others...

[Edit](#) | [Attach](#) | [Print Version](#) | [History: ...](#) | [Backlinks](#) | [Raw View](#) | [Raw Edit](#) | [More topic actions](#)

# How a Tool Page *Might* Look

## GeniusMIApproach

### Description

This tool allows one to implement the multiple imputation procedure developed by Billy published in [Journal for Cool Statistics](#). The strength of this approach is for count data collected over a series of visits.

[Link to article](#)

### Code Information

Program Language: R version 2.8

Tool Version: Version 1.1

Tool Meta Data: [GeniusMIApproach-Meta](#)

[Link to Meta Data Page](#)

Tool Example: [Coding Examples](#)

[Link to Examples in Meta Data Page](#)

Tool Code: [GeniusMIApproach](#)

[Link to read-only code](#)

### Key Words

Multiple Imputation, missing data

### Author

Email: [Billy@StatsRock.org](mailto:Billy@StatsRock.org)

Organization: StatsRock, Ltd.

### User Reviews

Number of Reviews: [10](#)

[Link to reviews](#)

Average Rating: ★★☆☆☆ (4 of 5)

Discussion

Edit

History

Number of page views:

0	0	4	1
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# How Real is This?

Answer: **VERY**

Working with **CTSpedia** (The Knowledge Base for Clinical and Translational Research within the CTSA) to modify/extend CTSpedia (<http://www.ctspedia.org/do/view/CTSpedia>).

CTSpedia is a pilot project initiated in 2007 by the CTSA funded Biostatistics Research Ethics and Design (BREAD) program at UCSF. [The project was initiated to form an information resource created by researchers for researchers in clinical and translational science to share valuable knowledge amongst local researchers.](#) In the spring of 2008, CTSpedia was presented to the national CTSAs Biostatistics/Epidemiology/Research/Design (BERD) Online Resources and Education taskforce as a vehicle for driving progress in the task forces goals to identify and share resources across the national consortium and community researchers world-wide. Since then, 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 scope and content of CTSpedia and fostering collaboration amongst CTSAs.



# Participation is Vital to Success



- 1 Provide the team with feedback
- 2 Contribute content
- 3 Edit content
- 4 Discuss content
- 5 Rate content
- 6 Be Involved!

# FDA/CDER Team Members

Name	Office
<i>Mat Soukup</i>	<i>OTS</i>
Don Salzer	OBPS
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<i>Chuck Cooper</i>	<i>OTS</i>
Gary Gensinger	OBPS
<i>Ted Guo</i>	<i>OTS</i>
Norman Stockbridge	OND
<i>Christopher Tornoe</i>	<i>OTS</i>



# Thank You!

*Please feel free to contact any one of your  
OTS colleague team members*