

Data Analysis Software - UX Work Sample

This work sample is regarding some of what I worked on as a member of the UX team in the SuperPower research lab here at Purdue. The next six slides are from a flow chart I created on Figma that details every potential path and step for various uses of the application. This involved imagining how a user would use different statistical tests, screenshotting each major phase of use and adding them to the board. It was updated twice over four months, and it was also important to make notes of significant changes and report them to the team. The final slide of this document details another example of work conducted on this project and has some additional information.

App User Experience FlowChart on Figma.

Model
Specification

Parameter
Estimates

Results
Output

T-Test

T-Test

Paired Sample



One Sample



Independent Samples

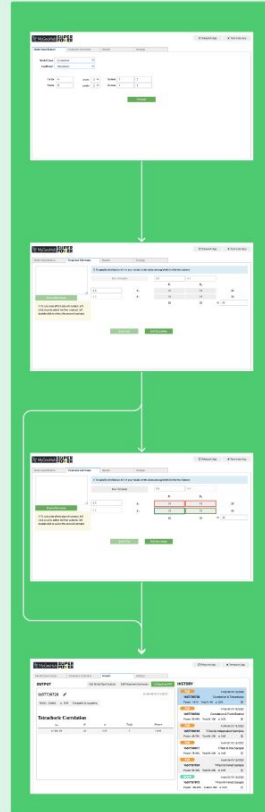


Correlation

Point-biserial



Tetrachoric



Cramer's V



Pearson's Correlation Coefficient



Spearman's Rho



Chi-squared of Independence



Analysis of Variance



Regression

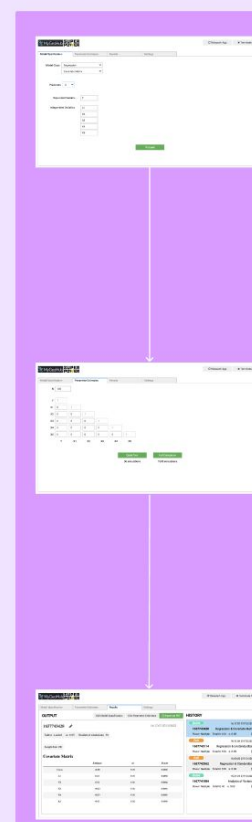
Standardized



Unstandardized



Covariate matrix



Thomas Carlock 3 mo. ago
Landing → Model Specification
Estimate → Parameter Estimates

Thomas Carlock 1 month ago

A note about the results pages as of Wednesday, July 13th, they are now much longer and take up more of the page than before. It is difficult to get a screenshot now as the page is so elongated it usually doesn't fit unless you scroll down.

Going through every individual page of each test within the app. Taking screenshots. Linking images. Making notes of differences between previous versions of the application. Reporting errors.

#2

Thomas Carlock 3 months ago

Gray background for text here is lighter in newer screenshots

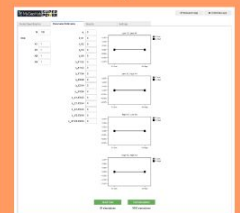
#1

Thomas Carlock 3 months ago

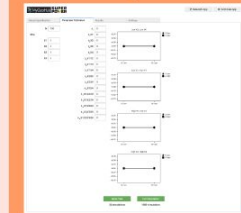
text point seems slightly less bold

Moderation

Standardized

[illegible]

Unstandardized

[illegible]

#5

Thomas Carlock 3 months ago

was not consistent with image from first step in flow, fixed now

#4

Thomas Carlock 3 months ago

Independent Sample changed to
Independent Samples

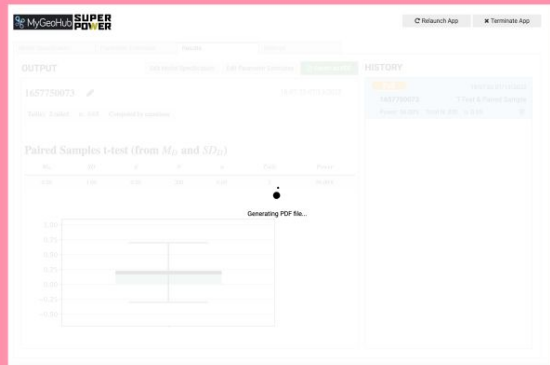
#3

Thomas Carlock 3 months ago

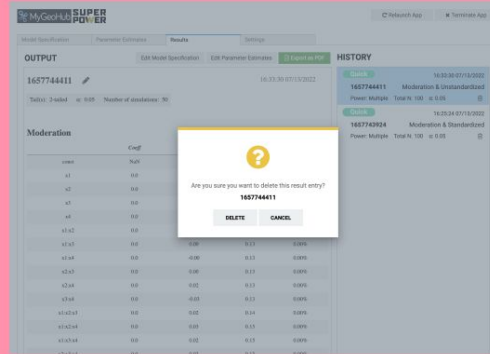
colors have switched from red and brown to green and orange

Results management

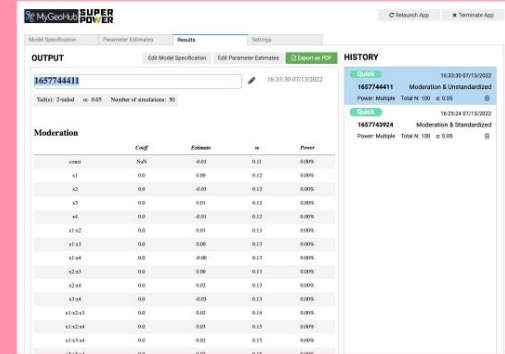
Export a results entry



Delete a results entry



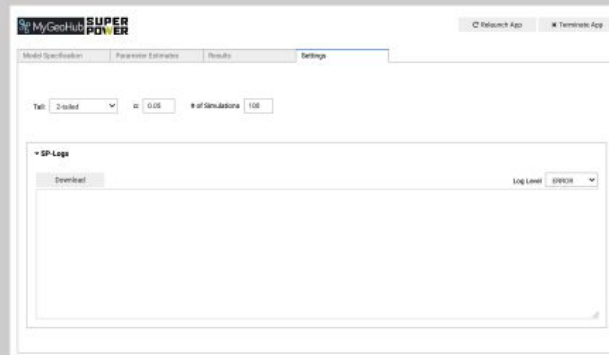
Rename a results entry



Others

Loading page

Settings tab



The boxes on the right of this slide indicate the required fields for each issue report.

Issue Title
Date
Type
Heuristic Evaluation
Describe the Issue
To Reproduce
Error Message
Expected Behavior

Screenshots

System

Pictured: Next phase of Project. 50+ hours of Issue Reports. (Identifying bugs and usability issues within the application, testing, writing up explanations and providing evidence. I created 35 issue reports in total over the course of 3 months, many of which have been or will be implemented/fixed in future versions of the application.