

SLP Preparedness Analysis Workflow

1.0.1 Data Workflow Testing

SLP Test Plan

IDENTIFICATION:

Test Module:	SLP Preparedness Analysis Workflow
Test Script:	1.0.1 Data Workflow Testing
Functional Unit Owner:	Fermina Yat
Test Script Created by:	Fermina Yat

ITEMS TO BE TESTED:

DATA IMPORTING / LOADING

DATA CLEANING

STATISTICAL ANALYSIS

OUTPUT / REPORTING

TEST SCRIPT DETAILS:

Step	Instructions	Expected Results	Pass/Fail
1.1	Run Python Script to load Qualtrics CSV file	File loads successfully with all values showing and no errors.	Pass
1.2	Inspect initial rows to verify columns/rows	Columns and rows are shown to match up with the survey structure.	Pass
1.3	Initiate data cleaning on dataset to focus on certain questions of survey	Output is a cleaned dataset of desired questions from the survey containing no duplicates, missing values, and standard column names.	Pass
1.4	Initiate experience mapping, frequency mapping, and agreement mapping then apply to cleaned dataset	Output shows that mappings are successfully applied to cleaned dataset, with accurate categorizations and new columns added for experience, frequency, and agreement values.	Pass
1.5	Run Chi-Square Test with sample data	Results align with expected values for the test dataset.	Pass
1.6	Run One-Way ANOVA with sample data	Results align with expected values for the test dataset.	Pass
1.7	Run Two-Way ANOVA with sample data	Output shows main effects and interaction effects correctly.	Pass
1.8	Generate graphical outputs	Graphs are clear, labeled, and correctly represent the data.	Pass
1.9	Test Report Generation	Final file includes key metrics (means, p-values, etc.) in the expected format.	Pass
2.0	Check GitHub integration by pus/commit files to repository	Files are committed and pushed without errors and appear in the repository for the project.	Pass