Use Case Descriptions

Use Case 1: Select location of data files and meta

Primary Actor: Researcher

Pre-conditions:

- Application must be running.

Post-conditions:

- The researcher can view the feedback.

Main Success Scenario:

1. The researcher selects the choose data files option.

2. The application opens a file dialog allowing the researcher to select a folder or zip file.

3. The researcher then selects the choose metafile option.

4. The application opens a file dialog allowing the researcher to select a single csv file.

Exceptions:

- On an incorrect file/folder format chosen by the researcher, the application will notify the user and restart the use case.

Use Case 2: View feedback

Primary Actor: Researcher

Pre-conditions:

- Application must be running.

- The datafiles and meta file location must be selected.

Post-conditions:

- Save updated dataset and metafile

Main Success Scenario:

- Alternate flow 1: If validation passes

  - No more changes are required.

- Alternate flow 2: If validation fails

  - The application displays a list of automatic changes to be made in checkboxes and radio buttons.

  - The researcher selects a few or all of the changes and clicks the resolve button or the researcher skips the step and chooses to make changes manually.

Exceptions:

- If at any time the application malfunctions, the system informs the user of the problem, records the system failure and the use case ends.

Use Case 3: Save updated dataset and metafile

Primary Actor: Researcher

Pre-conditions:

- Application must be running.

- The datafiles and meta file location must be selected.

- Automatic changes must be selected or skipped.

Post-conditions:

- Reattempt validation.

Main Success Scenario:

1. The application opens a file dialog allowing the researcher to choose a folder for output.

2. The researcher responds to the prompt.

3. The application makes necessary changes selected from the feedback step and saves the new files in the folder.

Exceptions:

- If at any time the application malfunctions, the system informs the user of the problem, records the system failure and the use case ends.