

Screening Results Integrator User Guide

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Overview

Screening_Results_Integrator.R is an R program designed to combine screening results from different behavioral experiments conducted using the SleepMat software.

Prerequisites

Before running the **Screening_Results_Integrator.R** program, ensure you have the following installed on your computer:

- **R**
- **RStudio**

Additionally, download the R program **Screening_Results_Integrator.R** from the GitHub repository.

Instructions

Step 1: Create the Location Info File (File path of screening results)

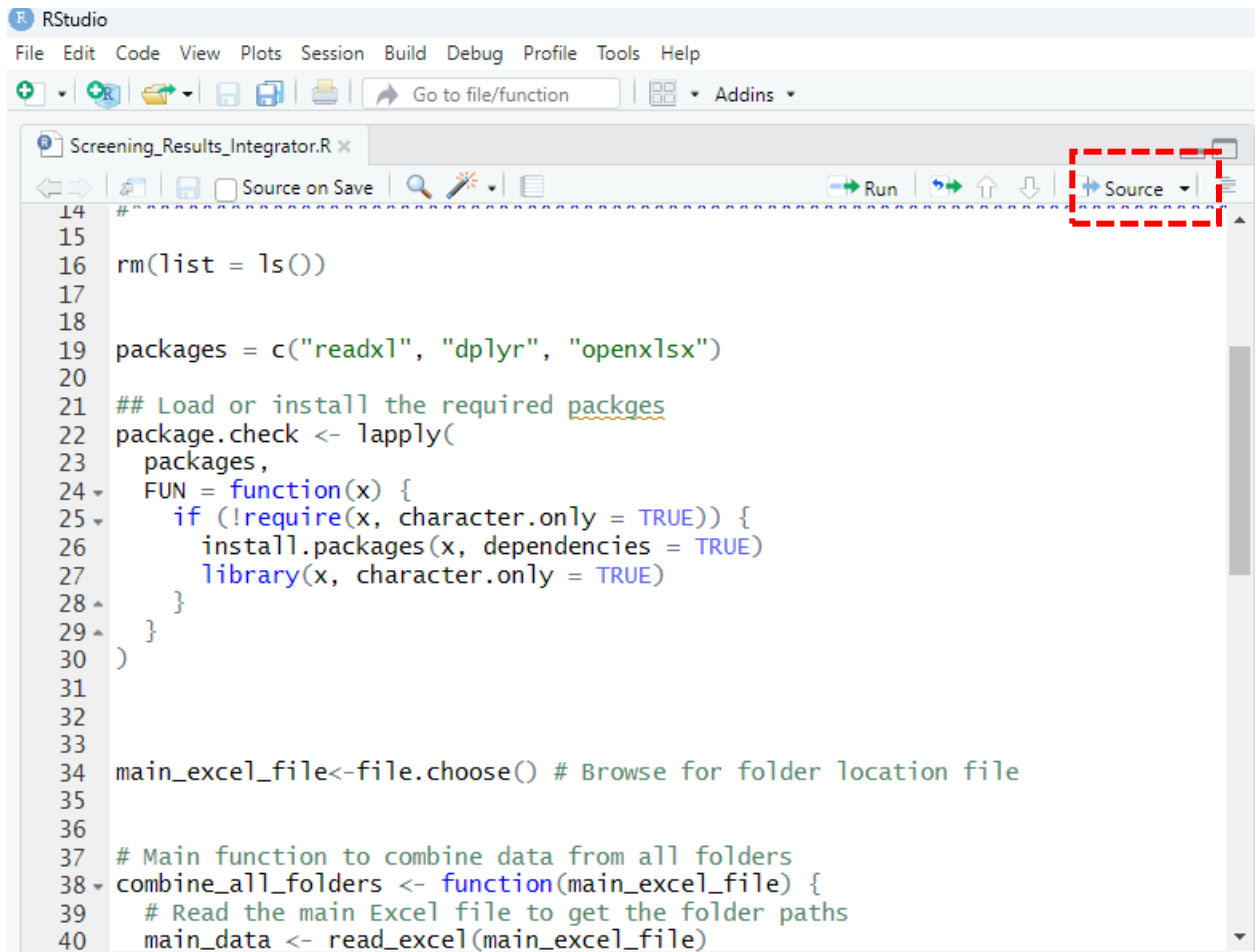
	A	B	C
1	Run	folder	
2	1	C:\Users\shijusis\OneDrive - Michigan Medicine\Desktop\Shiju_sisobhan\GitHub_folder\Allada_Lab_University_of_Michigan\sleepmat_Windows\Example\project-1\Screening_results	
3	2	C:\Users\shijusis\OneDrive - Michigan Medicine\Desktop\Shiju_sisobhan\GitHub_folder\Allada_Lab_University_of_Michigan\sleepmat_Windows\Example\project-2\Screening_results	
4	3	C:\Users\shijusis\OneDrive - Michigan Medicine\Desktop\Shiju_sisobhan\GitHub_folder\Allada_Lab_University_of_Michigan\sleepmat_Windows\Example\project-3\Screening_results	
5			

1. Open a new Excel file and name it as you like (e.g., `location_info.xlsx`).
2. In the first row, create headers for your columns:
 - **First Column (Run Number):** You can use any header name. Enter the run numbers below this header.
 - **Second Column (Location):** You can use any header name. Enter the screening results file locations generated by SleepMat corresponding to each run. You can copy and paste the file locations here.
3. Enter all the run numbers and their corresponding monitor file locations.
4. Save the Excel file.

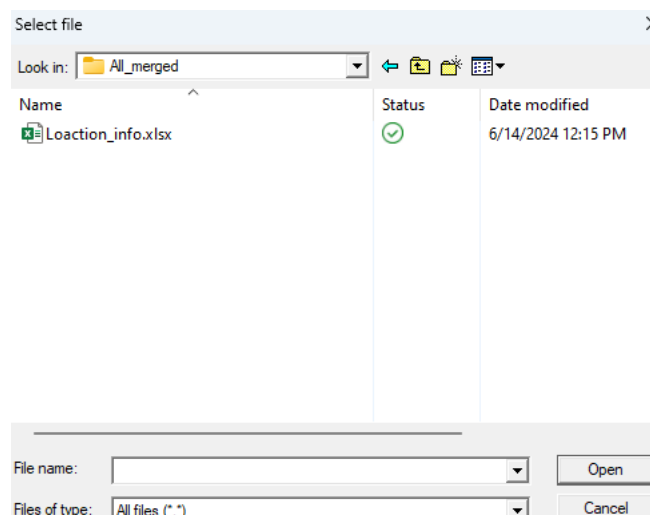
Step 2: Run the Screening_Results_Integrator.R

1. Open RStudio.

2. Open the **Screening_Results_Integrator.R** program in RStudio.
3. Click the 'Source' tab at the top left of the program window.



4. A file browser window will pop up. Browse and select the Excel file (location_info.xlsx) you created.



5. Click the 'Open' button.
6. The following line appears on the R console
7. `Enter a file name to save the results: |`
8. Enter the file name where you want to save the results (Eg: Combined_screening_results_1)
9. Once you enter the file name, the integration process will begin, and the results will be saved in the same folder as your input files.