Combine Multiple TSV Files

Project Description/Problem

This project was initiated based on a job found on Upwork. The task involved consolidating several TSV files into a single file. Each file required transformation and merging before being merged to the final single table. I used Custom Functions in Excel Power Query to achieve the desired result.

Solution

To address this problem, the following steps were undertaken among many others:

1. Data Format Analysis: Reviewed the format of the provided data.

2. Data Import and Transformation: Imported the TSV files into power query in Excel.

3. Parameters and Custom Functions: Created parameters and invoke custom functions for transforming each file twice before merging each file.

4. Save the Appended Table: Appended all the merged files into one single table.

Challenges

The most challenging part was to get all the columns in the same structure. The columns were in two formats. Rows 1 to 6 need to be transposed to align with the other columns in row 8. Initially, I was able to do it in Excel power query for a single file by duplicating the query and transforming each file before merging it into one. But I was unable to do so for multiple files. Finally, I used custom functions in power query to do so.

Files

1. **Target File.xlsx**: The power query file.
2. **TSV Files:** Folder containing four TSV files.
3. **Project Description.pdf:** Documenting the approach to come a solution.

Article Links

LinkedIn Article - combining-tsv-files-using-excel-power-query