Changelog: World Happiness Project

This file contains notable changes to the project and checks for accuracy to ensure clean data before analysis.

Version 1.0.0 (7/30/2025)

New Additions

-Added 3 columns to trim the content of the 3 columns in the dataset.
-Created new tab for duplicates.

Changes

-Cleared formats in the data. Not sure if there were changes made as a result.
-Deleted the original columns after trimming them & formatting them.
-Used Value formula so that excel recognizes the numbers in columns.
-Changed formatting of each column to text, number, number (in that order from left column to right column)

Fixes

-Fixed country names to be consistent for Hong Kong & Taiwan

Checks for accuracy

-Spelling errors checked in country column. Results=there were no errors
-Years checked—only 3 years listed as intended. No errors
-Happiness score—numbers are within the normal range 0-10. No errors.
-Used a filter to determine no misfielded values.
-Used a filter to determine no blanks
- Used a filter to determine no missing values
-Checked for blanks in all 3 columns and no values were missing.
-Used COUNTIF function to make sure there were no values below 0 and greater than 10 for the happiness score.
-Used LEN(range) to determine length of digits reported for happiness score.

Analysis

Conditional formatting

-Used conditional formatting to show how many countries scored above a 5.9.

-Used conditional formatting for the percent change column to identify countries that had substantial increases and decreases in their happiness scores from 2015 to 2017.

Excel functions

-Found average happiness scores across years with a pivot table
-Used Minimum and Maximum functions for each year of happiness scores
-COUNTIF was used on the pivot table to determine the number of countries that had all three years worth of data.
-Added an IF statement & COUNTIF functions to note whether happiness was increasing or decreasing during the 2015-2017 year period
-Calculated percent change formula to determine the size of changes in happiness scores

Pivot tables

-Created a pivot table to better understand happiness score trends, such as averages across the years 2015 to 2017

-Created a pivot table depicting the counts of data, to identify how much data was missing.

Visualizations

Histograms

-Created 3 histograms, one for each year (2015, 2016, and 2017 respectively).

Tableau

-Created a map of happiness scores worldwide.