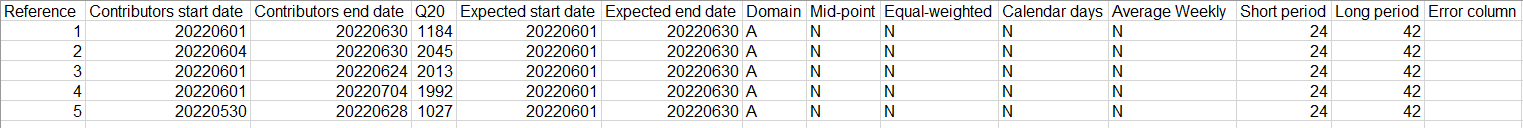
**Date Adjustment User Notes**

Once the date adjustment method is available on your computer you will be able to call the method and perform date adjustment on a dataset. The basic date adjustment method is:

Below is a snapshot of an example dataset and how the input data should look like:



Below is a snapshot of an example data and how the trading day data should look like:

Table

Description automatically generated

Here we have 5 respondents with all the columns needed to perform the date adjustment method:

* Reference: Unique to each respondent
* Contributors start date: Start date returned by the contributor
* Contributors end date: End date returned by the contributor
* Q20: Variable response that needs to be date adjusted
* Expected start date: Start date the user is expecting from the contributor
* Expected end date: End date the user is expecting from the contributor
* Domain: Domain classification
* Mid-point: Indicator as to whether the mid-point method needs to be used.
* Equal-weighted: Indicator as to whether the equal-weighted method needs to be used.
* Calendar days: Indicator as to whether the calendar days method needs to be used.
* Average weekly: Indicator as to whether the average weekly method needs to be used
* Short period: A value that shows the user whether a response is of a short time frame
* Long period: A value that shows the user whether a response is of a long-time frame
* Error column: A column that will be populated if any errors occur

We also have trading day weights for all dates present and for the domain we are interested in:

* Date: Date we are interested in
* Domain: Domain classification
* Weight: Weight for the specific trading day
* Period: An indicator of the period.
* Period\_start: Start date of the period
* Period\_end: End date of the period

We can then run the method as shown below ensuring that we are calling the right columns from the dataframe:

Text

Description automatically generated

The output gets exported as a csv file and will give you the adjusted responses along with the sum of the weights.

A picture containing table

Description automatically generated

New columns are produced from running the method and are described below:

* Sum of trading day weights over contributors period: The trading day weights will be summed over the dates returned, all dates are inclusive.
* Number of days in contributors returned period: The number of days returned by the contributor, all dates are inclusive.
* Actual period start date: The start date the user is looking for (usually similar to expected start date).
* Actual period end date: The end date the user is looking for (usually similar to expected end date).
* Number of days in actual returned period: The number of days the user set
* Sum of trading day weights over actual period: The sum of the trading weights over the days set by the user.
* Date adjusted Q20: The adjusted question value based on the sum of the trading days weights ratio.