

## TASK

1. In the dataset **av\_engine\_aic.csv** update the td4 column to the result of  $t24 + 459.67$ . You can do this by selecting a column in Tableau, right-clicking it and creating a "Calculated Field".
2. Join all flight tables to consolidate data (The flight tables are the tables with "av\_engine\_data" included in the name). You can do this in the "Data Source" area of Tableau.
3. Given this information, in Task 2, you will be asked to develop some interesting data dashboards that give you insights about the Flight Data Tables.

Take screenshots of your workings in Tableau showing all the data combined into one data source and upload it below to complete this task!

## Solution to task:

The screenshot shows the Tableau interface with the 'av\_engine\_data\_aic' data source selected. A 'Tables in union' dialog box is open, showing a list of tables to be joined. The tables listed are:

- av\_engine\_data\_aic.csv
- av\_engine\_data\_axm.csv
- av\_engine\_data\_fron.csv
- av\_engine\_data\_pgt.csv

The dialog box also shows the connection name 'av\_engine\_data\_aic' and the 'Specific (manual)' option selected. The 'OK' button is highlighted.

In the background, the Tableau interface shows the 'Data Source' section with a list of files. The 'Table Details' section shows a table with columns: #, av\_engine\_data\_aic..., hpc\_eff\_mod, and hpc\_eff\_mod. The table contains 5 rows of data.

| # | av_engine_data_aic... | hpc_eff_mod | hpc_eff_mod |
|---|-----------------------|-------------|-------------|
| 1 | -0.0005000            | 0.00020000  | 100         |
| 2 | 0.0016000             | -0.00030000 | 100         |
| 3 | -0.0017000            | 0.00010000  | 100         |
| 4 | -0.0012000            | -0.00020000 | 100         |
| 5 | 0.0027000             | 0.00010000  | 100         |

