The table's name is "**Sales**".
This name will be used when referring to the columns of data.

Cell H4

1. Create the basic grouping formula

=GROUPBY(Sales[Product], Sales[Sales], SUM)

2. Expressly define the arguments for headers, totals, and sorting

=GROUPBY(Sales[Product], Sales[Sales], SUM**, 0, 1, -2**)

3. Expand the aggregations from a single to multiple using HSTACK

=GROUPBY(Sales[Product], Sales[Sales], **HSTACK(SUM, AVERAGE, MEDIAN),** 0, 1, -2)

4. Remove the automatic aggregation headings

=**DROP(**GROUPBY(Sales[Product], Sales[Sales], HSTACK(SUM, AVERAGE, MEDIAN), 0, 1, -2) **, 1)**

Cells H2 and I2

Title and Data Validation for "Category" selection= B3:E3

Cells H3 & I3

Title and Data Validation for sorting direction = Category,Product

Cell H5

Dynamic Title for user's "Category" selection = I2

Cells I3 : K3

Add replacement headings for aggregations

Cell H6

Replace the hard-coded **[row_fields]** argument with the user's selection from cell **I2**

*NOTE: This requires the use of the **INDIRECT** function to craft a pointer to the column in the table that corresponds to the user's selection.*

=DROP(GROUPBY(**INDIRECT("Sales_v2[" & I2 & "]"**), Sales_v2[Sales], HSTACK(SUM, AVERAGE, MEDIAN), 0, 1, -2), 1)

Cell H6

Replace the hard-coded **[sort_order]** argument with the user's selection from cell **I2**

*NOTE: This utilizes the **IF** function to determine which output column to sort that corresponds to the user's selection.*

=DROP(GROUPBY(INDIRECT("Sales_v2[" & I2 & "]"), Sales_v2[Sales], HSTACK(SUM, AVERAGE, MEDIAN), 0, 1, **IF(I3="Total Sales", -2, 1)**), 1)