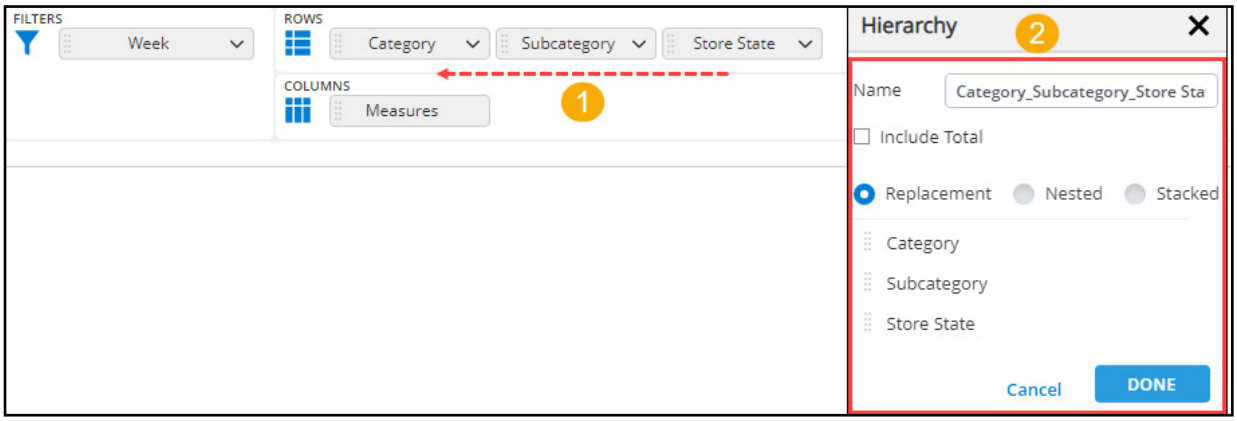
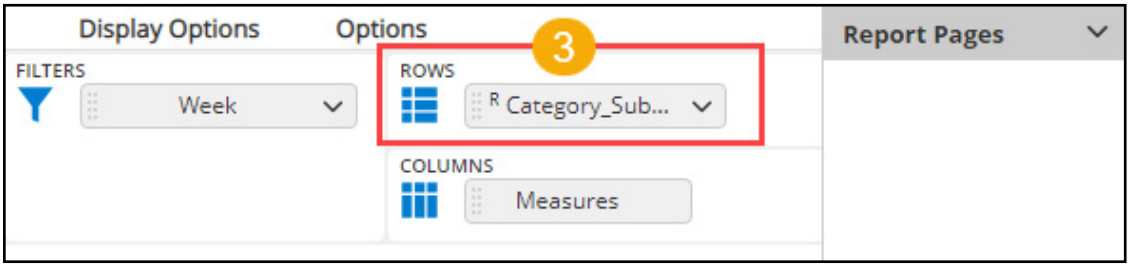
Dhiva - Create a Hierarchy

Adding a hierarchy to a report allows the information to be presented in a condensed format and provides the ability to drill to the additional levels of details as needed or to stack and view all requested items without drilling. Hierarchies can contain attributes and/or groups.

Step 1: Drag the attribute that will be the second level (Child level) of the hierarchy (e.g., **Sub Category**) on top of the attribute that will be the top level (Parent level) of the hierarchy (e.g., **Category**) in the report dimension section.
Step 2: In the **Hierarchy** dialog box, enter the new name and select the appropriate type for the hierarchy.
Step 3: Click **Done**.



The selected type of hierarchy (**R**eplacement, **N**ested, or **S**tacked) is indicated with its new name in the report dimension section.

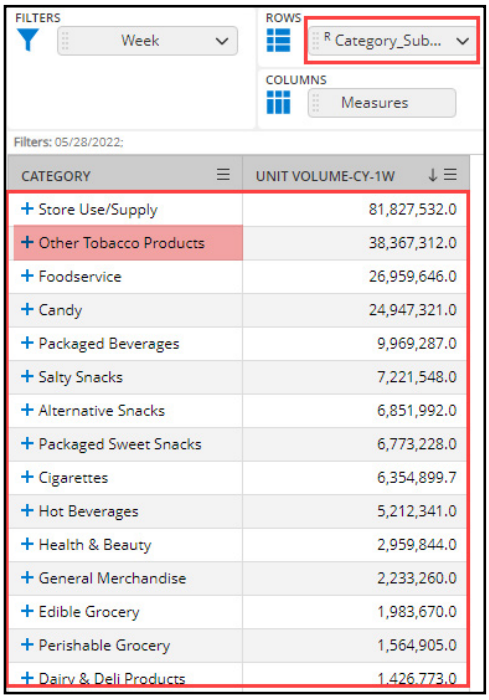


You can choose from three types of hierarchies:

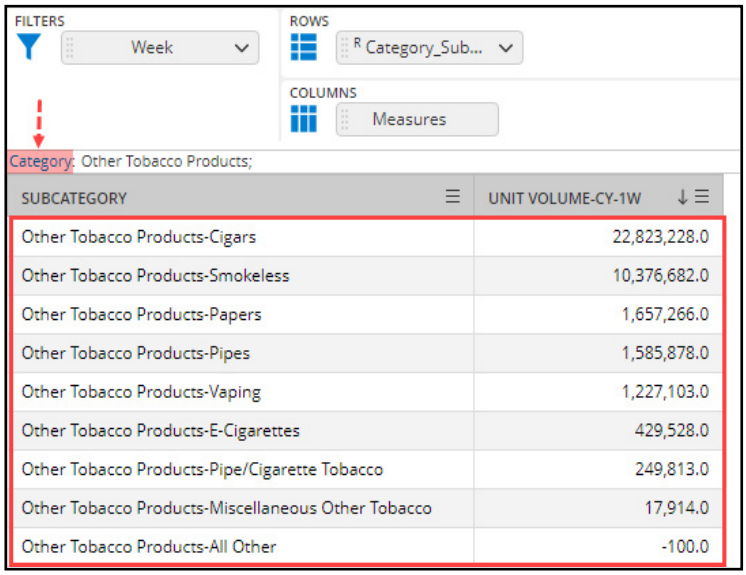
- Replacement Hierarchy
- Nested Hierarchy
- Stacked Hierarchy

Replacement Hierarchy:

The **Replacement** hierarchy is the default hierarchy selection and enables a drill-down to the child level, displaying only the child level of the drilled item. In the below example, if you click the plus sign of the **Other Tobacco Products** category, the system will navigate you to the **subcategories** of the **Other Tobacco Products** category in the table. Use the **Category** link (indicated with a dotted arrow in the right-side screenshot) to navigate back to the parent level.



CATEGORY	UNIT VOLUME-CY-1W
+ Store Use/Supply	81,827,532.0
+ Other Tobacco Products	38,367,312.0
+ Foodservice	26,959,646.0
+ Candy	24,947,321.0
+ Packaged Beverages	9,969,287.0
+ Salty Snacks	7,221,548.0
+ Alternative Snacks	6,851,992.0
+ Packaged Sweet Snacks	6,773,228.0
+ Cigarettes	6,354,899.7
+ Hot Beverages	5,212,341.0
+ Health & Beauty	2,959,844.0
+ General Merchandise	2,233,260.0
+ Edible Grocery	1,983,670.0
+ Perishable Grocery	1,564,905.0
+ Dairy & Deli Products	1,426,773.0



SUBCATEGORY	UNIT VOLUME-CY-1W
Other Tobacco Products-Cigars	22,823,228.0
Other Tobacco Products-Smokeless	10,376,682.0
Other Tobacco Products-Papers	1,657,266.0
Other Tobacco Products-Pipes	1,585,878.0
Other Tobacco Products-Vaping	1,227,103.0
Other Tobacco Products-E-Cigarettes	429,528.0
Other Tobacco Products-Pipe/Cigarette Tobacco	249,813.0
Other Tobacco Products-Miscellaneous Other Tobacco	17,914.0
Other Tobacco Products-All Other	-100.0

Nested Hierarchy:

The **Nested** hierarchy provides the drill ability on the report and displays the parent and the child totals simultaneously. In the below example, if you click the **Other Tobacco Products** category, the system will display the **subcategories** related to the **Other Tobacco Products** in the same table along with their totals.

FILTERS: Week
ROWS: Category_Sub...
COLUMNS: Measures

+1

CATEGORY_SUBCATEGORY	UNIT VOLUME-CY-1W
+ Store Use/Supply	81,827,532.0
+ Other Tobacco Products	38,367,312.0
+ Foodservice	26,959,646.0
+ Candy	24,947,321.0
+ Packaged Beverages	9,969,287.0
+ Salty Snacks	7,221,548.0
+ Alternative Snacks	6,851,992.0
+ Packaged Sweet Snacks	6,773,228.0
+ Cigarettes	6,354,899.7
+ Hot Beverages	5,212,341.0
+ Health & Beauty	2,959,844.0
+ General Merchandise	2,233,260.0
+ Edible Grocery	1,983,670.0
+ Perishable Grocery	1,564,905.0

FILTERS: Week
ROWS: Category_Sub...
COLUMNS: Measures

+1

CATEGORY_SUBCATEGORY	UNIT VOLUME-CY-1W
+ Store Use/Supply	81,827,532.0
− Other Tobacco Products	38,367,312.0
Other Tobacco Products-Cigars	22,823,228.0
Other Tobacco Products-Smokeless	10,376,682.0
Other Tobacco Products-Papers	1,657,266.0
Other Tobacco Products-Pipes	1,585,878.0
Other Tobacco Products-Vaping	1,227,103.0
Other Tobacco Products-E-Cigarettes	429,528.0
Other Tobacco Products-Pipe/Cigarette Tobacco	249,813.0
Other Tobacco Products-Miscellaneous Other Tobacco	17,914.0
Other Tobacco Products-All Other	-100.0
+ Foodservice	26,959,646.0
+ Candy	24,947,321.0
+ Packaged Beverages	9,969,287.0

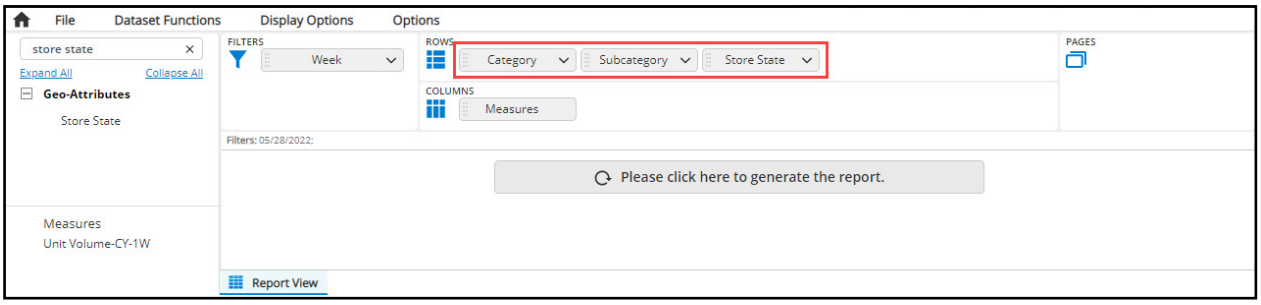
***Note**: Clicking on the +1 control (placed at the left corner above the table) would expand all parents to display their corresponding child levels in a single click.*

Stacked Hierarchy:

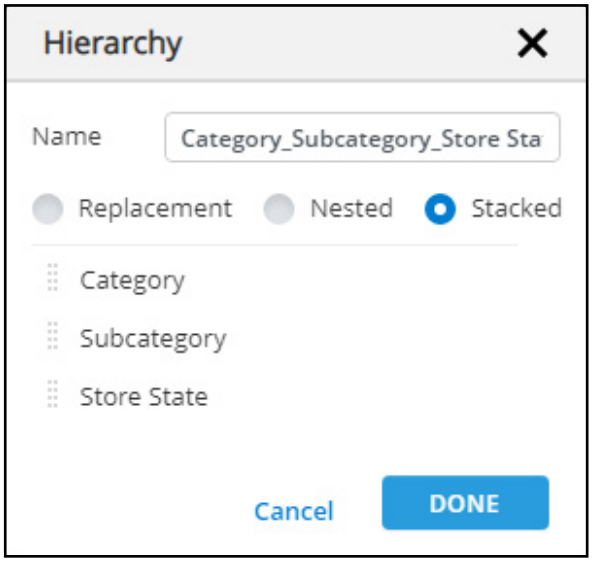
The **Stacked** hierarchy is a type of hierarchy that enables users to view all selections without drilling. Stacking will display the attributes/groups in the selected order and will sort the items within each attribute/group. An example of a report generated applying the stacked hierarchy is demonstrated below wherein the attributes such as **Category**, **Sub Category**, and **Store State** are arranged in a stacked hierarchy and the report is filtered using the **Category** attribute with **Measures** in the **Columns** area.

***Note**: In a stacked hierarchy, there is no Parent-Child relationship between the attributes.*

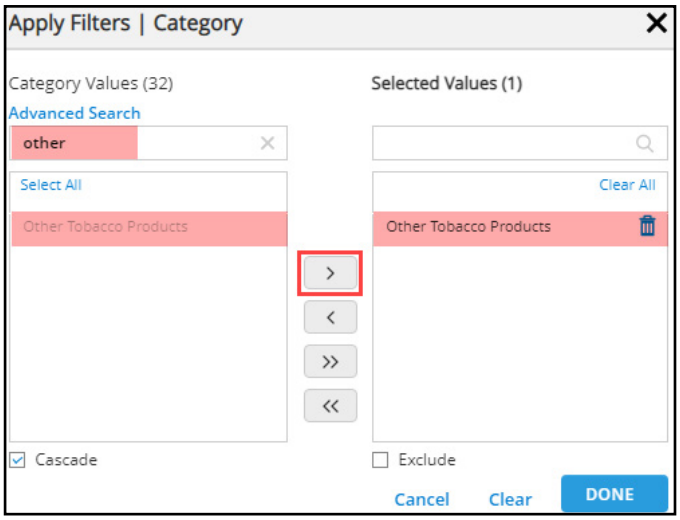
Step 1: On the **New Report Template** screen, search for the **Category**, **Sub Category**, and **Store State** attributes in the left-hand panel and drag them to the **Rows** area.



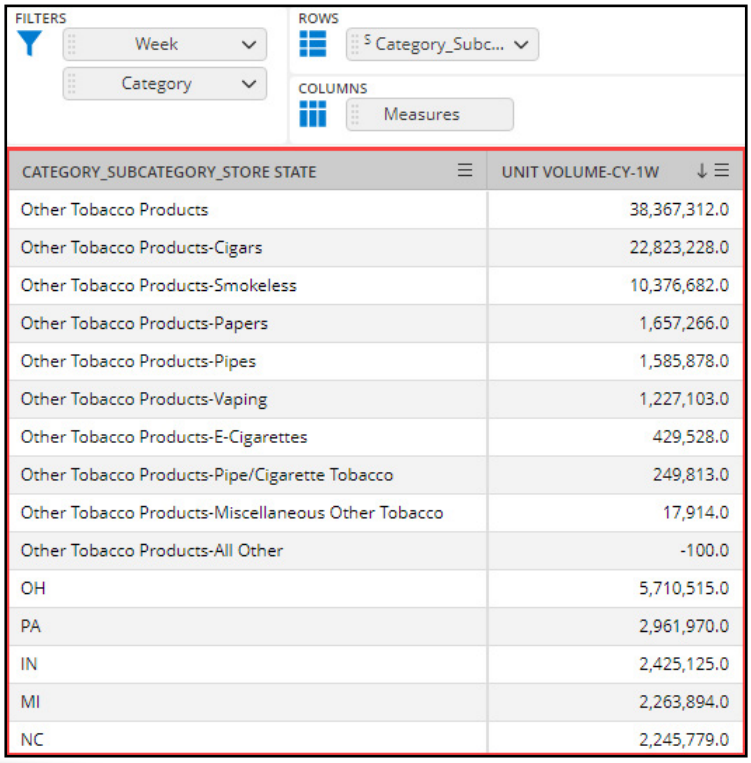
Step 2: To create a hierarchy, drag **Sub Category** on top of **Category** and then add **Store State** on top of the two.
Step 3: In the **Hierarchy** dialog box, drag and drop the selected attributes to arrange them in the desired order (for example, **Category** - **Sub Category** - **Store State**) and edit the **Hierarchy Name** to reflect the order.
Step 4: Select the **Stacked** option and click **Done** to return to the previous screen.



Step 5: Add **Category** as a report filter by dragging it from the left-hand panel and dropping to the **Filters** area.
The system opens the **Apply Filters** dialog box.
Step 6: Select the **Other Tobacco Products** item from the left panel and click the right-pointing arrow to send it to the right panel.



Step 7: Add **Category** as a report filter by dragging it from the left-hand panel and dropping to the **Filters** area.
Step 8: Click the **Generate** button to generate the desired report as per the specified report parameters.
The system will generate a report which will display all items in a selected **Category** (for example, **Other Tobacco Products**) at the top followed by all the **Subcategories**, then **States**, with the values within each of these attribute sorted in the descending order as shown in the below screenshot.



CATEGORY_SUBCATEGORY_STORE STATE	UNIT VOLUME-CY-1W
Other Tobacco Products	38,367,312.0
Other Tobacco Products-Cigars	22,823,228.0
Other Tobacco Products-Smokeless	10,376,682.0
Other Tobacco Products-Papers	1,657,266.0
Other Tobacco Products-Pipes	1,585,878.0
Other Tobacco Products-Vaping	1,227,103.0
Other Tobacco Products-E-Cigarettes	429,528.0
Other Tobacco Products-Pipe/Cigarette Tobacco	249,813.0
Other Tobacco Products-Miscellaneous Other Tobacco	17,914.0
Other Tobacco Products-All Other	-100.0
OH	5,710,515.0
PA	2,961,970.0
IN	2,425,125.0
MI	2,263,894.0
NC	2,245,779.0

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