

Perspective 6.0 Tutorial

Top/Bottom Reduction

You can use Top/Bottom Reduction to limit your data to a subset that is of most interest to you.

- To apply top/bottom reduction, click the **Top/bottom reduction** icon in a column header. We will apply a reduction to the **2001** column.

<u>Offense Type</u>	<u>Crimes Against Persons</u>				
<u>Incident Date</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>
<u>Offender Age</u>	↑ ↓ [1]² [3] [5]	↑ ↓ [1]² [3] [5]	↑ ↓ [1]² [3] [5]	↑ ↓ [1]² [3] [5]	↑ ↓ [1]² [3] [5]
<u>Under 18</u>	15,174	16,210	16,842	18,648	20,633
<u>18 and over</u>	114,036	120,235	121,014	127,331	132,867
<u>18 - 24</u>	36,000	37,733	37,535	40,030	41,785
<u>25 - 34</u>	39,869	41,996	41,603	44,164	46,466
<u>35 - 44</u>	30,243	31,905	32,121	33,135	34,024
<u>45 - 54</u>	11,650	12,916	13,639	14,885	15,896
<u>55 - 64</u>	3,170	3,531	3,797	4,129	4,403
<u>Unknown</u>	24,336	21,761	20,167	19,473	19,818
<u>Missing</u>	4,071	3,430	2,992	3,978	4,074

- We're going to reduce the number of row members to the bottom five, based on the **2001** column. On the **Top/bottom reduction** dialog, in **Selection Type**, choose **Bottom**. In **Value Type**, choose **Count**. In **Value**, type **5**.

Top/bottom reduction

Selection type: **Bottom** ▼

Value type: **Count** ▼

Value: **5**

Show total of others

OK Cancel Remove Help

- c. Now there are only five rows in the table. They correspond to the five lowest values in the **2001** column.

Offense Type	Crimes Against Persons				
Incident Date	2001	2002	2003	2004	2005
Offender Age	↑ ↓ [100] [50] [20]	↑ ↓ [100] [50] [20]	↑ ↓ [100] [50] [20]	↑ ↓ [100] [50] [20]	↑ ↓ [100] [50] [20]
Under 18	15,174	16,210	16,842	18,648	20,633
45 - 54	11,650	12,916	13,639	14,885	15,896
55 - 64	3,170	3,531	3,797	4,129	4,403
Unknown	24,336	21,761	20,167	19,473	19,818
Missing	4,071	3,430	2,992	3,978	4,074

- d. You can continue to sort and rank any columns, but as soon as a top/bottom reduction is applied to a different column, this reduction will be removed.
- e. Next we will apply a Top 50% reduction to the second column, **2002**.

Top/bottom reduction

Selection type: Top ▼

Value type: Percent ▼

Value:

Show total of others

- f. Now the reduction based on **2001** has been removed. A new reduction based on the **2002** column has been applied. The reduction shows five rows representing all the values that fall in the top 50% of the values in that column.

Offense Type	Crimes Against Persons				
Incident Date	2001	2002	2003	2004	2005
Offender Age	↑ ↓ [100] [50] [20]	↑ ↓ [100] [50] [20]	↑ ↓ [100] [50] [20]	↑ ↓ [100] [50] [20]	↑ ↓ [100] [50] [20]
18 and over	114,036	120,235	121,014	127,331	132,867
25 - 34	39,869	41,996	41,603	44,164	46,466
Others	36,000	37,733	37,535	40,030	41,785

- g. To remove a top/bottom reduction without creating a new one, open the dialog and click **Remove**.

Top/bottom reduction

Selection type: Top ▼

Value type: Percent ▼

Value: 50

Show total of others

OK
Cancel
Remove
Help

- h. The table is restored to its original state.

Offense Type	Crimes Against Persons				
Incident Date	2001	2002	2003	2004	2005
Offender Age	↑ ↓ 1/2 1/3	↑ ↓ 1/2 1/3	↑ ↓ 1/2 1/3	↑ ↓ 1/2 1/3	↑ ↓ 1/2 1/3
Under 18	15,174	16,210	16,842	18,648	20,633
18 and over	114,036	120,235	121,014	127,331	132,867
18 - 24	36,000	37,733	37,535	40,030	41,785
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