

**Package Name:** TRIM

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**Add-in Type:** Global

**Default Proc Name:** trim

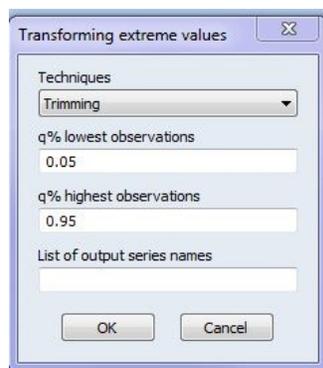
**Default Menu Text:** Trimming and Winsorising

**Interface:** Dialog and commend line

**Description:** This add-in provides robust statistical procedures - trimming and winsorising - which remove or modify a small percentage of the extreme values.

With trimming, the extreme values (i.e.  $q\%$  lowest and highest observations) are simply set to *missing*. With winsorising, the extreme values are replaced by certain percentile (the trimmed minimum and maximum) of the data. It is known that winsorised estimators are usually more robust to outliers than trimming.

**Dialog:** Upon running the add-in from the menus, a dialog will appear:



In the first box, you should choose one of the following method - trimming and winsorising - to deal with extreme values. In the following two boxes, you should specify the quantile values (the trimmed minimum and maximum, respectively): for instance, the 5th percentile is the 5% trimmed minimum and so say, 0.05.

**Command line:**

*Syntax:* trim(options) outputname

*Options:*

	Type	Explanation
q1	<i>num</i>	q% lowest observations (minimum)
q2	<i>num</i>	q% highest observations (maximum)
wins		Do “Winsorising”