

WINCROSS®

What's New Guide

Version 21



Version 21

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What's New in WinCross Version 21

We are excited about the many enhancements in WinCross 21. A new WinCross list open end feature allows users to quickly generate open end/string reports that can be filtered to specific conditions. Charts have been enhanced with new features when exporting to PowerPoint. The Excel table of contents (TOC) has been enhanced adding the ability to show the base wording as well as the base size (N). Other new features include additional glossary commands DUPLICATE, _HOUR, _MINUTE, _SECOND, create tables from banners, and weighted small sample size denoted off unweighted bases just to name a few.

New Feature Highlights for WinCross 21:

- **List Open End** located under the Run menu allows users to create open end/string reports that can be filtered by specific conditions. The report can also be run to Excel allowing for easy sorting.
- **Chart** enhancements – New additions include table filter above or below chart, show the filter on the horizontal axis, ability to remove all major gridlines, and the ability to show the base on each label.
- **Excel** Table of Contents (TOC) – Added ability to show the base below the table title, or to the right of the table title.
- **Glossary** command **DUPLICATE** – Quickly duplicate variables storing the data, label, and value labels in a newly specified variable.
- **Create Tables from Banners** – Easily convert existing banners to tables.
- **Small Sample Size** – Weighted reports can be suppressed using the unweighted base (N).
- **Banner Column** enhancements – Ability to control the decimal places based on a specific column. New CALC Options to only show desired statistics for CALC banner columns.
- **Syntax** commands _DAY, _MONTH, _YEAR4, _YEAR2, _HOUR, _MINUTE, _SECOND, _WEEKDAY adds the ability to easily program DATE variables.
- Improved **screen sharing** across multiple platforms i.e., Zoom, Microsoft Teams, Go-To-Meeting, etc.
- Frequency and percent order can be controlled under **Setup | Job Settings | Output order**. This allows the user to show the percent above the frequency. Adjusting the order is a global setting across the entire job.
- Glossary **INDEX** statements can be combined when using OR/AND logic.
- Excel output offers additional cell border options. Merged columns have their own border options located under **Excel | Options Report Options | Cell Borders...** Cell border color can also be adjusted individually or across all cells.
- Excel output data option to generate filtering column now includes the row number for table title, job title, subtitle, and footnote.
- **Express table setup / Setup tables** – Added ability to control the character case i.e., lower case, upper case, title case, or sentence case.
- **Significance footnote location** – Choose between printing at the bottom of the page (default), or directly below the table. This option is located under **Setup | Job Settings | Page Layout | Footnote**.
- Enhanced text report tables can be combined onto a single page. WinCross defaults to each table on a separate page. This new option is located under **Setup | Job Settings | Page Layout | Print multiple tables on one page**.
- **CALC** has added **Median** (I) and **Mode** (O) capabilities.
- Compatibility with the latest version of SPSS.

List Open End – Display and filter string/open end variables

List Open End – Located under the **Run** menu quickly run string/open end variables. Open End Reports can be run directly to Excel or saved to other formats using the save report option. Additional filters can be applied allowing the user to filter based off a specific group, or specific string text. Examples:

1. Open a data file which contains string variables.

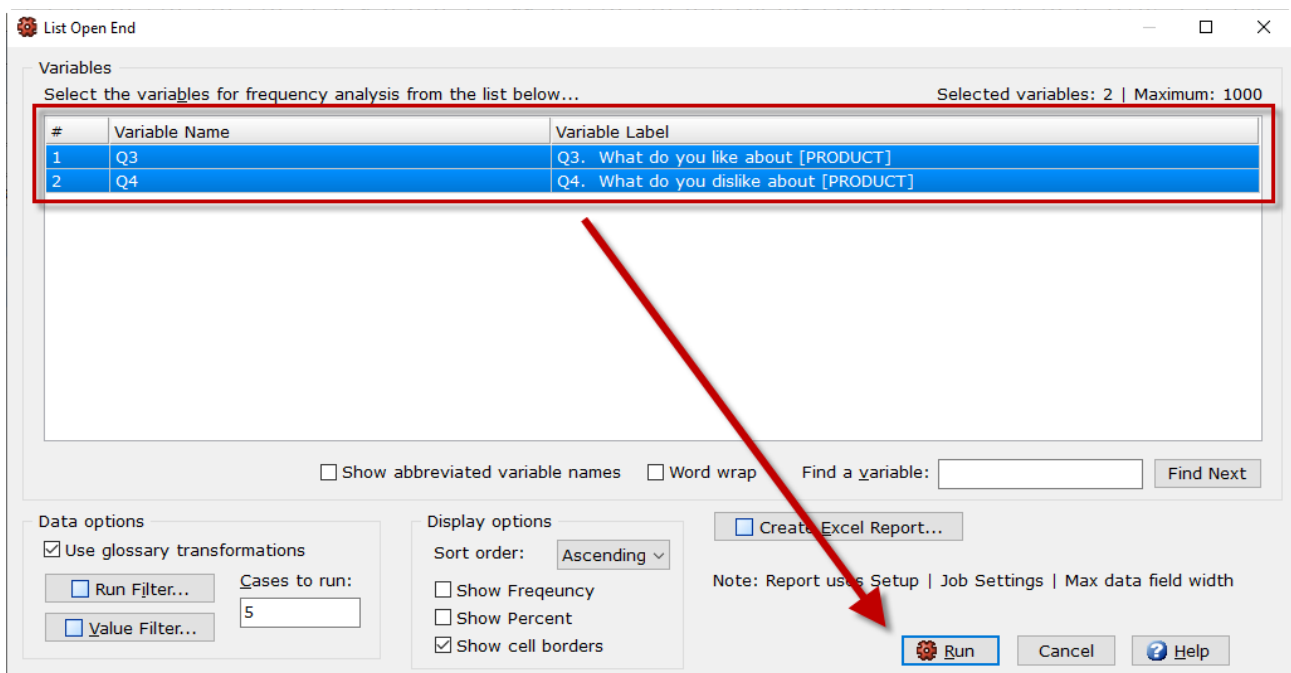
Example data file **variables** view:

	Variable	Label	Values	Type	Field Width
1	RESPID	Respondent Id	None	Number	8
2	GENDER	Q1. What is your gender?	{1, Male}{2, Fen	Number	8
3	Q2	Q2. How satisfied are you with [PRODUCT]?	{1, Very dissatisl	Number	8
4	Q3	Q3. What do you like about [PRODUCT]	None	String	1000
5	Q4	Q4. What do you dislike about [PRODUCT]	None	String	1000

Example data file **data** view:

	RESPID	GENDER	Q2	Q3	Q4
1	182615	1	3	I like the color	It's expensive
2	175365	2	4	Cheap	I don't like the color
3	168545	1	1	It looks nice	The smell
4	171240	1	2	I like the color	Taste
5	156448	1	5	It fits my needs	Expensive

2. Go to **Run | Open End...**
3. Select desired variables and select **Run**



Q3
Q3. What do you like about [PRODUCT]

Contents
Cheap
I like the color
It fits my needs
It looks nice

Q4
Q4. What do you dislike about [PRODUCT]

Contents
Expensive
I don't like the color
It's expensive
Taste
The smell

4. Report Output:

- a. The first row, Q3, is populated from the **Variable Name**.
- b. The second row, Q3. *What do you like about [PRODUCT]*, is populated from the **Variable Label**.

Using the above example say I want to filter **Q4** to *only* show respondents that mentioned “expensive” in their response. This can be done using the **Value Filter** option:

The screenshot shows the WinCross software interface. In the background, the 'Variables' window is open, showing a list of variables: Q3 (Q3. What do you like about [PRODUCT]) and Q4 (Q4. What do you dislike about [PRODUCT]). The 'Data options' section at the bottom left has a 'Value Filter...' button circled in red. A red arrow points from this button to the 'Filter Values' dialog box in the foreground. The 'Filter Values' dialog box contains the following text and table:

Enter a list of values in which to filter code values.
Example: Value "happy" will display all results that contain "happy" within the string variable.

#	Values
1	expensive
2	

At the bottom of the 'Filter Values' dialog, there are buttons for 'Remove', 'OK', 'Cancel', and 'Help', along with a checkbox labeled 'Value Filter is active'.

NOTE: Multiple **Value Filters** are treated as “OR” statements.

Q4
Q4. What do you dislike about [PRODUCT]

Contents
Expensive
It's expensive

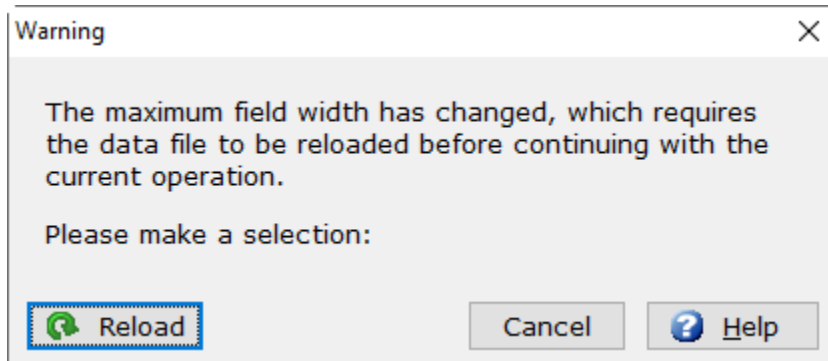
Report Output:

Other List Open End features:

1. **Run Filter...** filter by a specific condition i.e., Gender (1)
2. **Display Options**
 - a. Sort Ascending or Descending.
 - b. Show Frequency.
 - c. Show Percent.
 - d. Show cell borders.
3. **Create Excel Report...** export directly to Excel. Choose between running each variable on a separate worksheet, or all on the same worksheet.

IMPORTANT NOTE:

WinCross job files created prior to v21 will default to a limit of 12 characters. This can be adjusted under **Setup | Job Settings | Table Presentation | Max field width**. Newly created jobs will default to the max width of 32,767. Adjusting the width will prompt a warning to reload the data file.

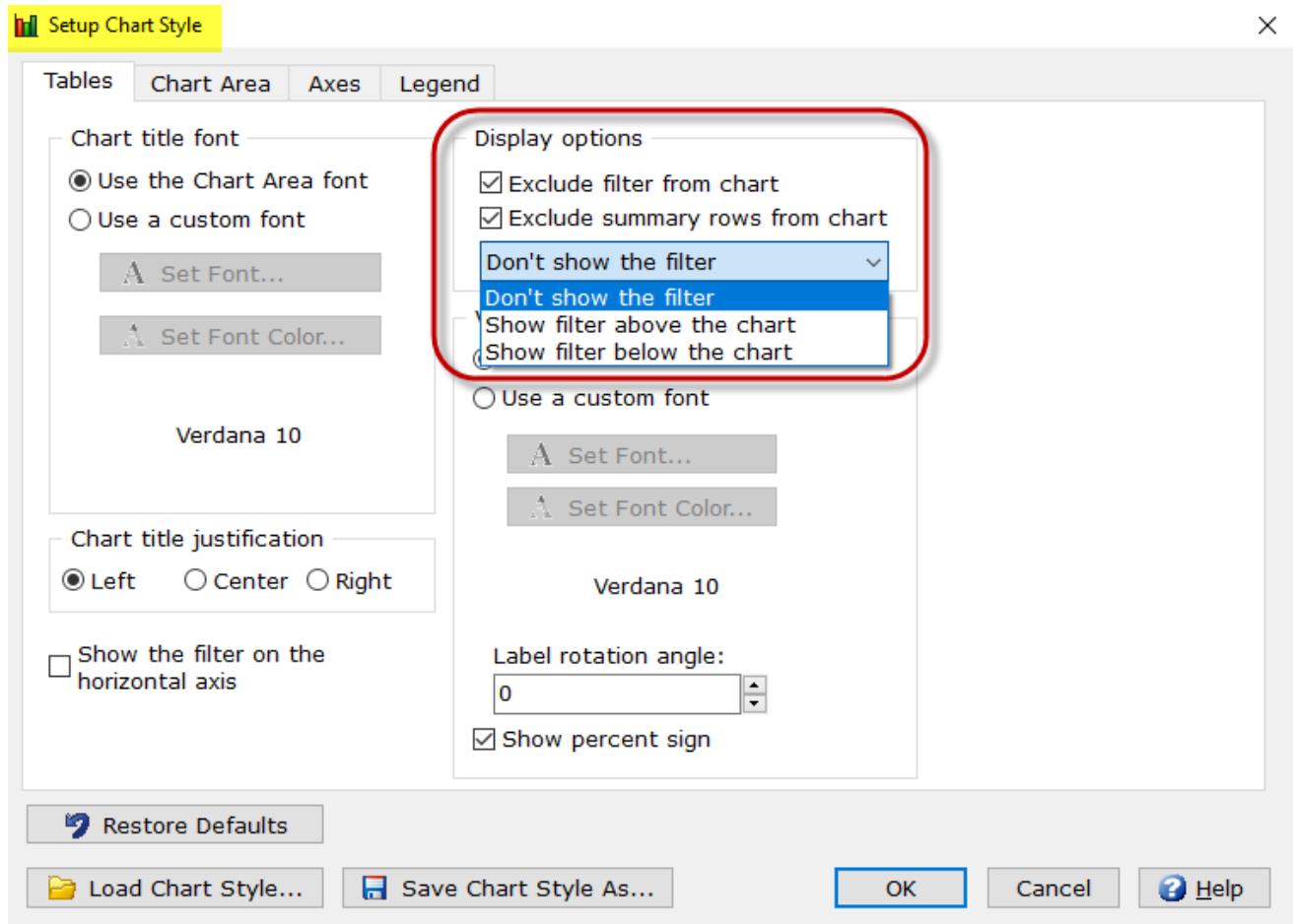


Enhanced chart functionality to PowerPoint

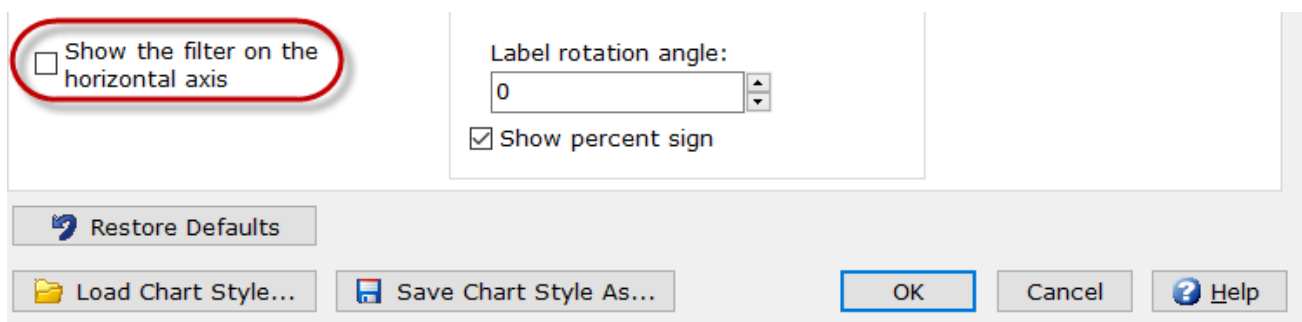
Chart features have been added to WinCross's **Chart Style** and **Chart Content**!

Chart Style additions:

1. Ability to show the filter above or below the chart. The filter text and N are derived from the table filter row within WinCross.



2. Show the filter on the horizontal axis. **NOTE:** this feature applies when using VAR+. The filter will be added to each stub.



3. **Major gridlines** can be removed under the **Axes** tab.

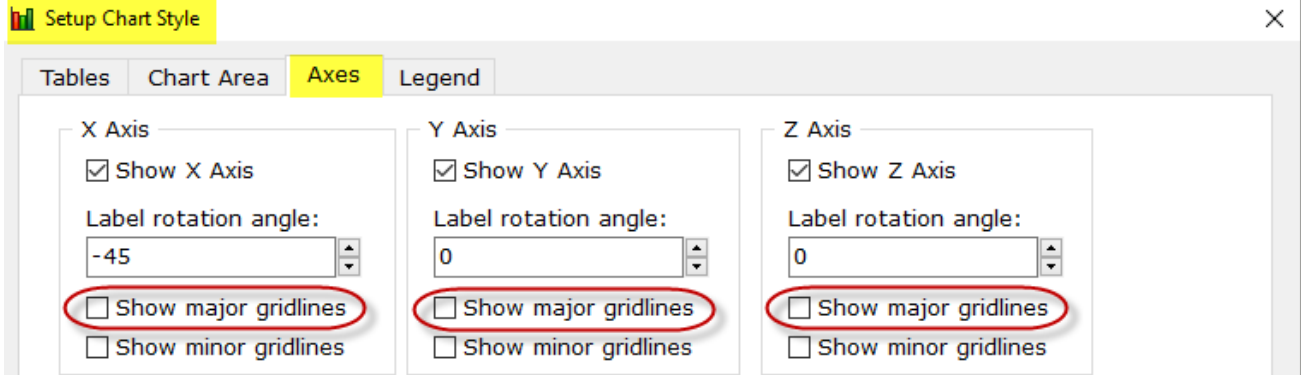
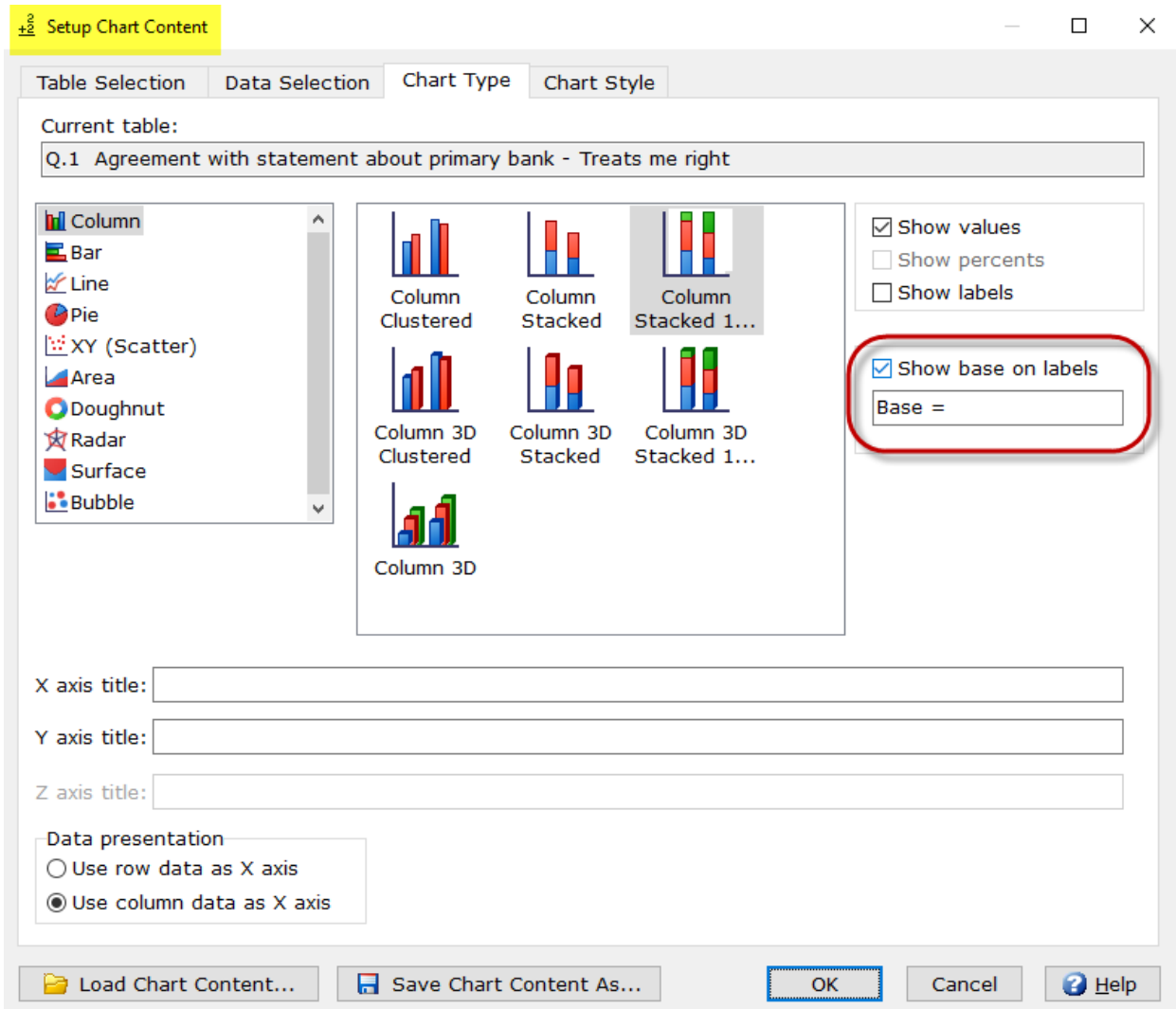


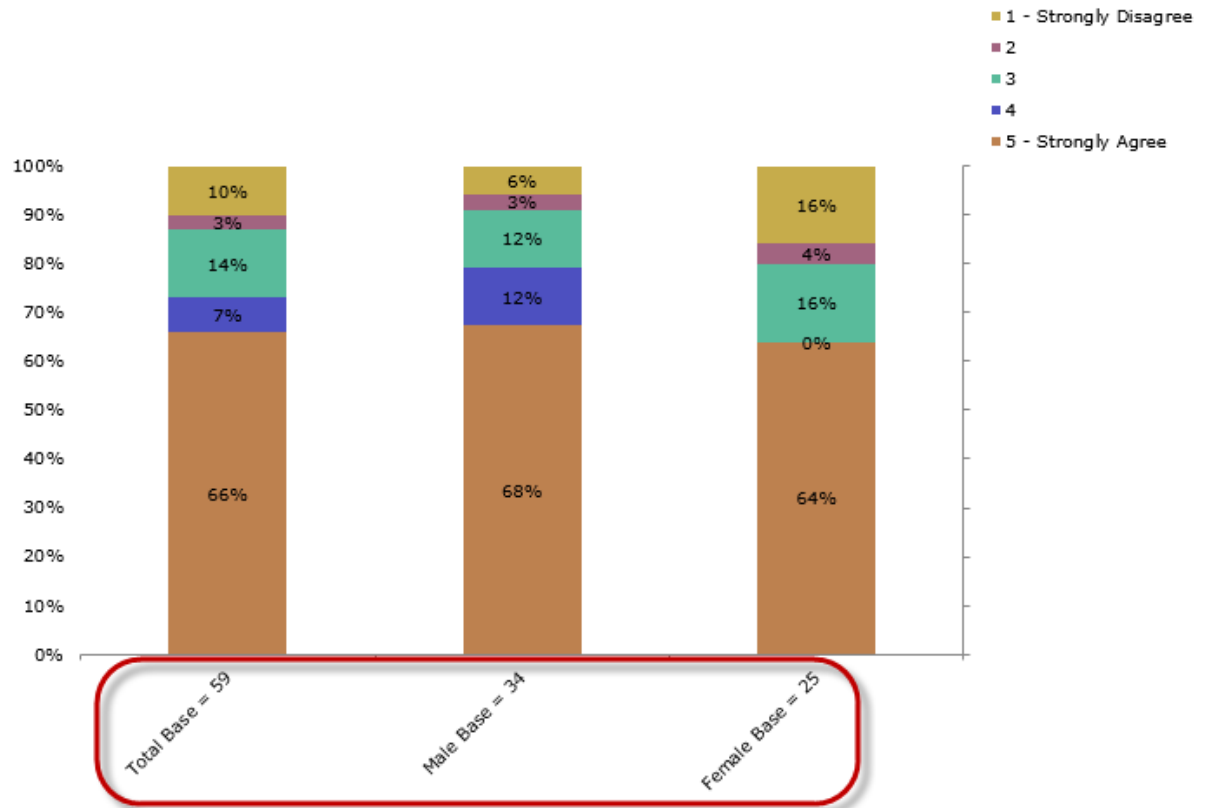
Chart Content addition:

1. Added ability to show the base (N) and specify the text to show for each column. This is located under the chart type tab. Select "Show base on labels" and enter desired text.



a. Below is an example screenshot. Notice the base for each column has been added:

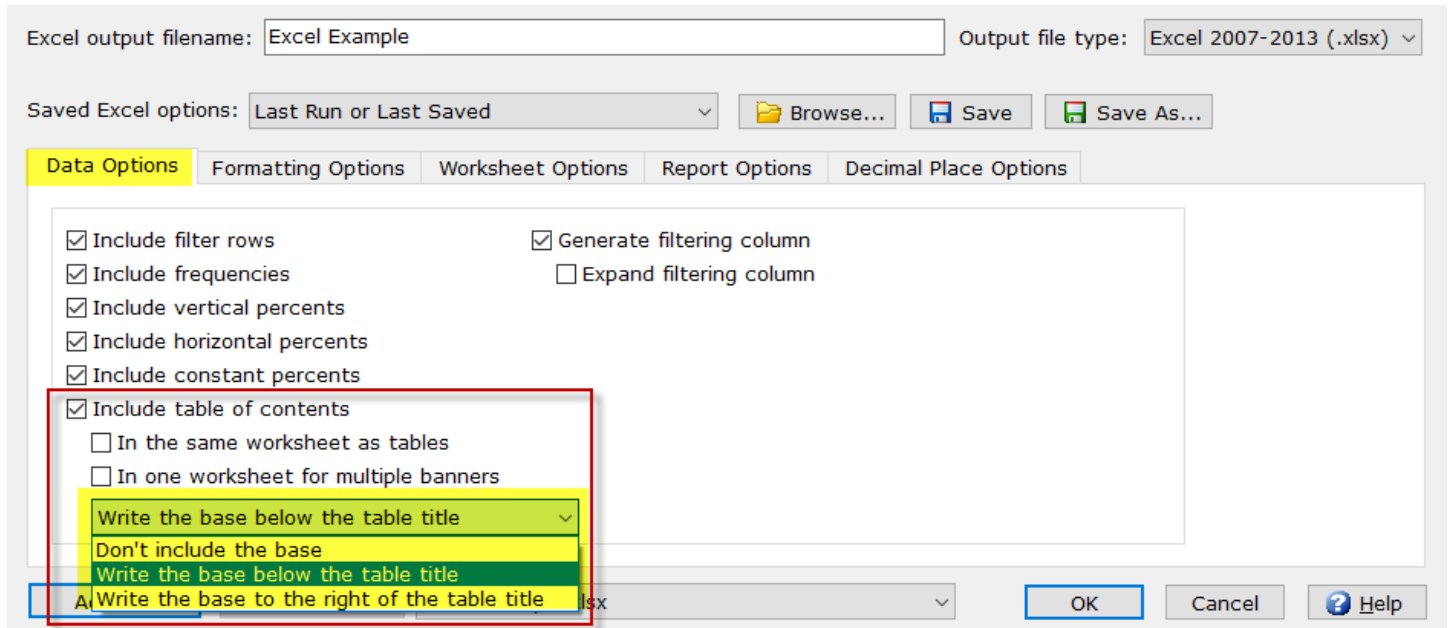
Q.1 Agreement with statement about primary bank - Treats me right



Total Answering N= 59

Excel Table of Contents (TOC) display base wording and base size (N)

Excel table of contents (TOC) feature to show the base and base size (N). The base wording and size are derived from the table filter row. Users can decide to not include the base (default), write the base below the table title, or write the base to the right of the table title.



Output Example:

	A	B
1	Table of contents	
2		
3	Banner 1	
4		
5	Table QD1	D.1 Age
6		Total Answering N= 846
7		
8	Table Q1_1	Q.1 Agreement with statement about primary bank - Treats me right
9		Total Answering N= 59
10		
11	Table Q1_2	Q.1 Agreement with statement about primary bank - Is the right bank
12		Total Answering N= 98
13		

Glossary command DUPLICATE

Glossary command **DUPLICATE** (DUP) adds the ability to duplicate existing variable maintaining the data, label, and values. Duplicated variables are added to the end of the data file. Duplicated variables can also be used with more advanced features such as LOOP and DECLARE. Using this feature is extremely handy when needing to modify data while leaving the original variable unchanged.

1. Simple DUPLICATE Example...

[GLOSSARY]

```
* SIMPLE DUPLICATE EXAMPLES
DUPLICATE GENDER = QD7
DUP      AGE     = QD1
```

Data file output:

114	QD1	D.1 Age	{1, 18-24}{2, 25-34}{3, 35-	Number	1	0
115	QD7	D.7 Gender	{1, Male}{2, Female}	Number	1	0
116	GENDER	D.7 Gender	{1, Male}{2, Female}	Number	1	0
117	AGE	D.1 Age	{1, 18-24}{2, 25-34}{3, 35-	Number	1	0

Highlighted variables are the original variables (QD7, QD1). The circled variables are created using **DUPLICATE/DUP**.

2. Advanced DUPLICATE Example using LOOP, DECLARE, and IF...

```
* ADVANCED DUP EXAMPLE USING LOOP, DECLARE, AND IF
LOOP 4, A=1(1)
DECLARE EXAMPLE$A
IF QD6 (1-10) ASSIGN EXAMPLE$A = (5)
DUP EXAMPLE$A_DUPTEST = EXAMPLE$A
ENDLOOP
```

Data file output:

123	EXAMPLE1	None	Number	12	0
124	EXAMPLE1_DUPE	None	Number	12	0
125	EXAMPLE2	None	Number	12	0
126	EXAMPLE2_DUPE	None	Number	12	0
127	EXAMPLE3	None	Number	12	0
128	EXAMPLE3_DUPE	None	Number	12	0
129	EXAMPLE4	None	Number	12	0
130	EXAMPLE4_DUPE	None	Number	12	0

Highlighted variables are created using **DECLARE**, and circled variables are created using **DUP**.

Create Tables from Banners

Convert existing banners to tables allowing for quick banner x banner crosstabs and eliminating the need to reprogram an existing banner. This new feature is located under **Setup | Banners**. Banner columns options are also converted to the table.

1. Select the desired banner(s) to convert to tables.
2. Choose **Create Tables from Banners**

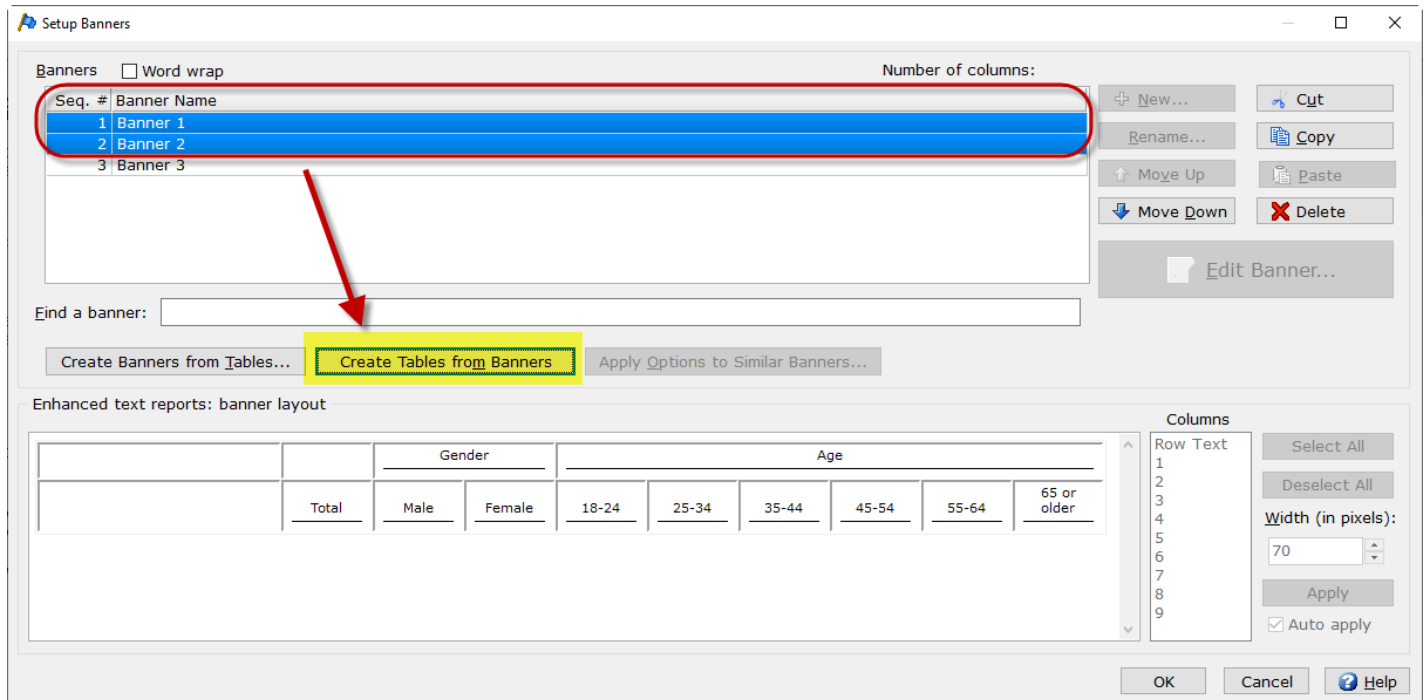


Table output created to the job file:

```

TBANNER_1^4
OW,OR,OV,S2,P1,V2,SA,SP
Banner 1
Total^TN^0
Total^      TN      ^
Gender / Male^      QD7 (1) ^
Gender / Female^    QD7 (2) ^
Age / 18-24^      QD1 (1) ^
Age / 25-34^      QD1 (2) ^
Age / 35-44^      QD1 (3) ^
Age / 45-54^      QD1 (4) ^
Age / 55-64^      QD1 (5) ^
Age / 65 or older^ QD1 (6) ^
TBANNER_2^6
OW,OR,OV,S2,P1,V2,SA,SP
Banner 2
Total^TN^0
Total^      TN      ^
Male^      QD7 (1) ^
Female^    QD7 (2) ^
    
```

Small Sample Size suppress weighted data based off the unweighted base size (N)

Small Sample Size has the added ability to suppress / denote weighted results based off the unweighted base (N). This new option is located under **Setup | Job Settings | Small Sample Size | If weighted, use unweighted base**. When this option is selected weighted results will be suppressed based off the unweighted base (N). The footnote, when shown, will display the weighted data is based off unweighted N's.

The screenshot shows the 'Job Settings' dialog box with the 'Small Sample Size' tab selected. The dialog is divided into several sections:

- Display options**
 - Column display suppression**
 - Suppress display of column values when the...
 Denote column values when the...
 - Frequency (base)
 - Effective sample size
 - Horizontal percent
 - is less than
 - Cell display suppression**
 - Suppress display of a cell value when the...
 Denote a cell value when the...
 - Frequency
 - Vertical percent
 - Horizontal percent
 - Constant percent
 - is less than
 - Show suppression text for blank cells
 - Text to add to suppressed/denoted cells:
 - Show footnote regarding suppressed display
 - If weighted, use unweighted base

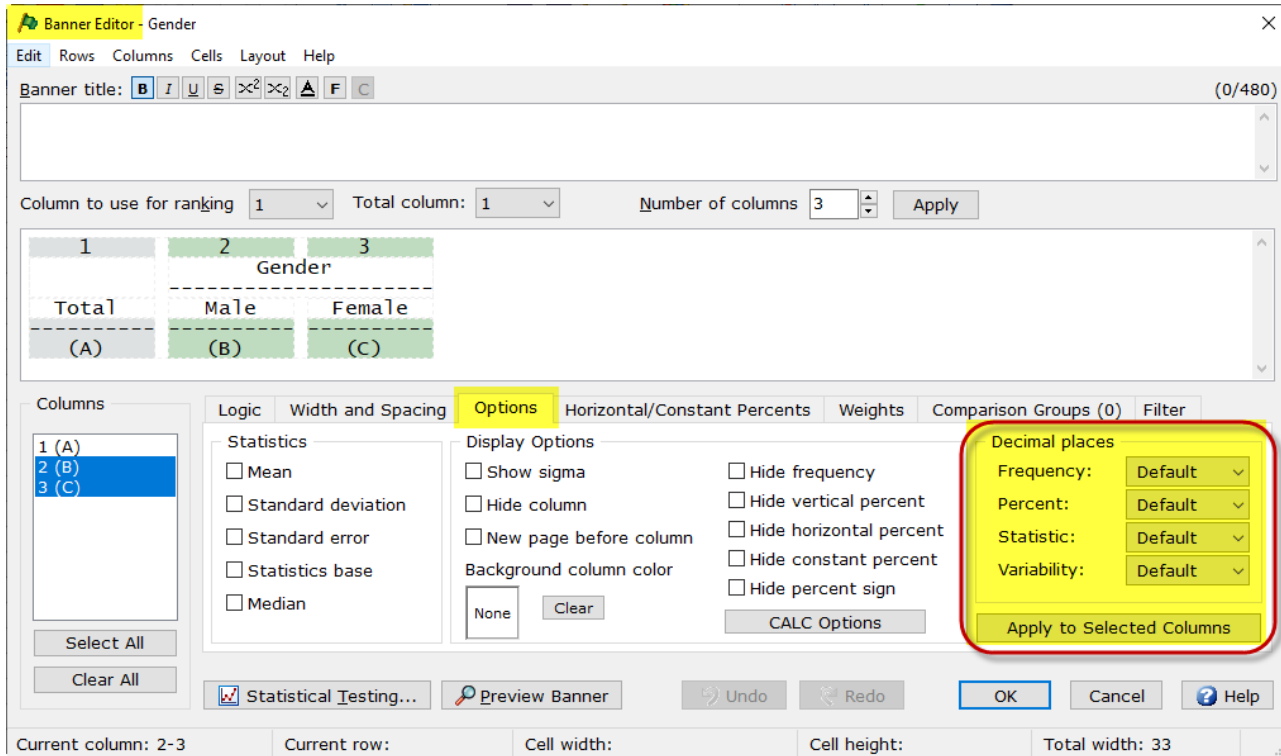
- Statistical testing options**
- Column testing suppression**
 - Suppress statistical testing on a column when the...
 - Frequency (base)
 - Effective sample size
 - Horizontal percent
 - is less than
- Cell testing suppression**
 - Suppress statistical testing on a cell value when the...
 - Frequency
 - Vertical percent
 - Horizontal percent
 - is less than
- Text to display in suppressed cells:
- Show footnote regarding suppressed testing
- If weighted, use unweighted base

At the bottom of the dialog are buttons for 'OK', 'Cancel', and 'Help'.

Banner Column enhancements

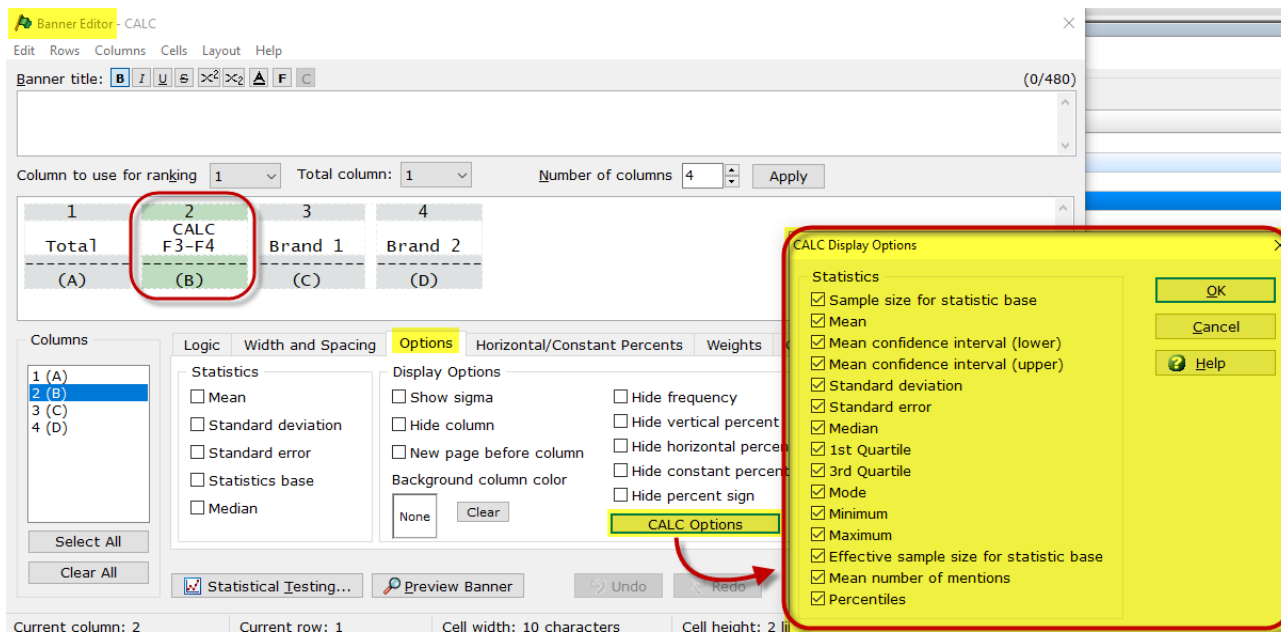
Enhanced **Banner Column** options for **Decimal places** and **CALC** columns.

Decimal places precision can be controlled per column overwriting the existing table settings for a specific column(s). Located within **Setup | Banners | Edit Banner | Options | Decimal places** choose between 0, 1, 2, and 3 decimal places. Frequency, percent, statistic, and variability can all be adjusted individually.



CALC Options

When using **CALC** columns easily adjust which statistics are shown for a specific column.



Syntax commands for DATE variables

DATE variables can easily be used to program a specific time using `_DAY`, `_MONTH`, `_YEAR4`, `_YEAR2`, `_HOUR`, `_MINUTE`, `_SECOND`, or `_WEEKDAY`. These new commands work in all areas of WinCross. Example using `_MONTH`:

WinCross syntax:

```
T1A1
OR,OV,S2,P1,V2,SA,SP
Date Example
Total^TN^O
January^ DATE_EXAMPLE: _MONTH (1) ^
February^ DATE_EXAMPLE: _MONTH (2) ^
March^ DATE_EXAMPLE: _MONTH (3) ^
April^ DATE_EXAMPLE: _MONTH (4) ^
May^ DATE_EXAMPLE: _MONTH (5) ^
June^ DATE_EXAMPLE: _MONTH (6) ^
```

1. In the above example `DATE_EXAMPLE` is the date variable from the data file.
2. `:_MONTH (#)` specifies which month's data to use. I.e., January = 1.

Data Example:

Word wrap Spell check Show value labels

	RESPONDENT	DATE_EXAMPLE
1	2422312	4-Jun-2020 21:03:10
2	2216470	4-Jun-2020 21:05:29
3	1358930	10-Jan-2020 21:06:17
4	1759840	15-Mar-2020 21:06:31
5	1395112	25-Mar-2020 21:10:33
6	1317857	25-Jun-2020 21:20:38
7	1609690	17-May-2020 21:28:24
8	1449579	18-May-2020 21:28:47
9	1468802	17-Feb-2020 21:41:49
10	1399669	5-Jan-2020 21:46:38

Data Variables

Report output:

Date Example

	Total
Total	10 100.0
January	2 20.0
February	1 10.0
March	2 20.0
April	-
May	2 20.0
June	3 30.0

Output Order - Frequency and Percent

Frequency and percent order can be controlled under **Setup | Job Settings | Output order**. This allows the user to show the percent above the frequency. Adjusting the order is a global setting across the entire job.

Job Settings [Close]

Statistics Rows	Wording for Rows	Statistics	Rounding	Small Sample Size	Filters
Table Presentation	Job Title	Enhanced Text Reports	Page Layout	Summary Rows	

Tables

- Show blank tables
- Center tables **
- Show frequency
 - Decimal places for frequency: 0
- Show vertical percent
- Show horizontal percent
- Show constant percent
 - Decimal places for V/H/C percents: 1
- Show percent sign (%)
- Show dollar sign (\$)
- Show comma (,)
- Show footnote ...
- Show table of contents *
 - Show base
- Show Run date Run time
 - 24h AM/PM

Table titles

- Center table title **
- Table title width **: 120 (in characters)
- Show subtitle ...

Table rows

- Show blank rows
- Indent levels: 2 spaces
- Row text width **: 25 (in characters)

Output order

Choose the order for Frequency/Percents

- Frequency**
- Vertical Percent
- Horizontal Percent
- Constant Percent

Blank cells

- Show blank cell characters
 - Blank cell characters: -
- Blank column characters: -
- Show blank cell characters for frequency cells only
- Show blank cell characters for all types of cells

Table names

- Show table name at top of page
 - Table name position **: Left Center Right

Banners

- Center banner title **
- Center banner filter title **

Filter options

- Show filter row
 - Show filter title on filter row
 - Show filter title below table title
 - Center table filter title
- Show frequency on filter row
- Show vertical percent on filter row
- Show horizontal percent on filter row
- Show constant percent on filter row
- Show percent sign (%) on filter row

Max data field width

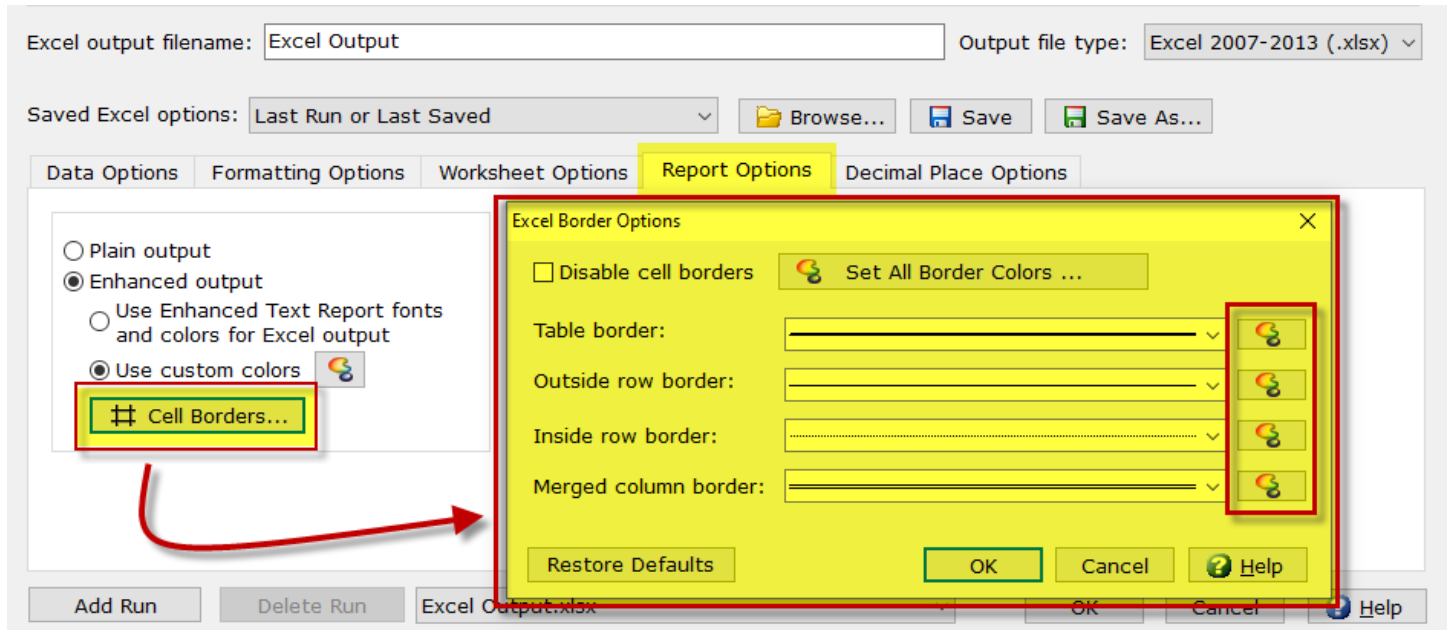
Max field width: 12

* This setting does NOT apply to Excel
** This setting applies only to Plain Text Reports

OK Cancel Help

Excel Cell Borders

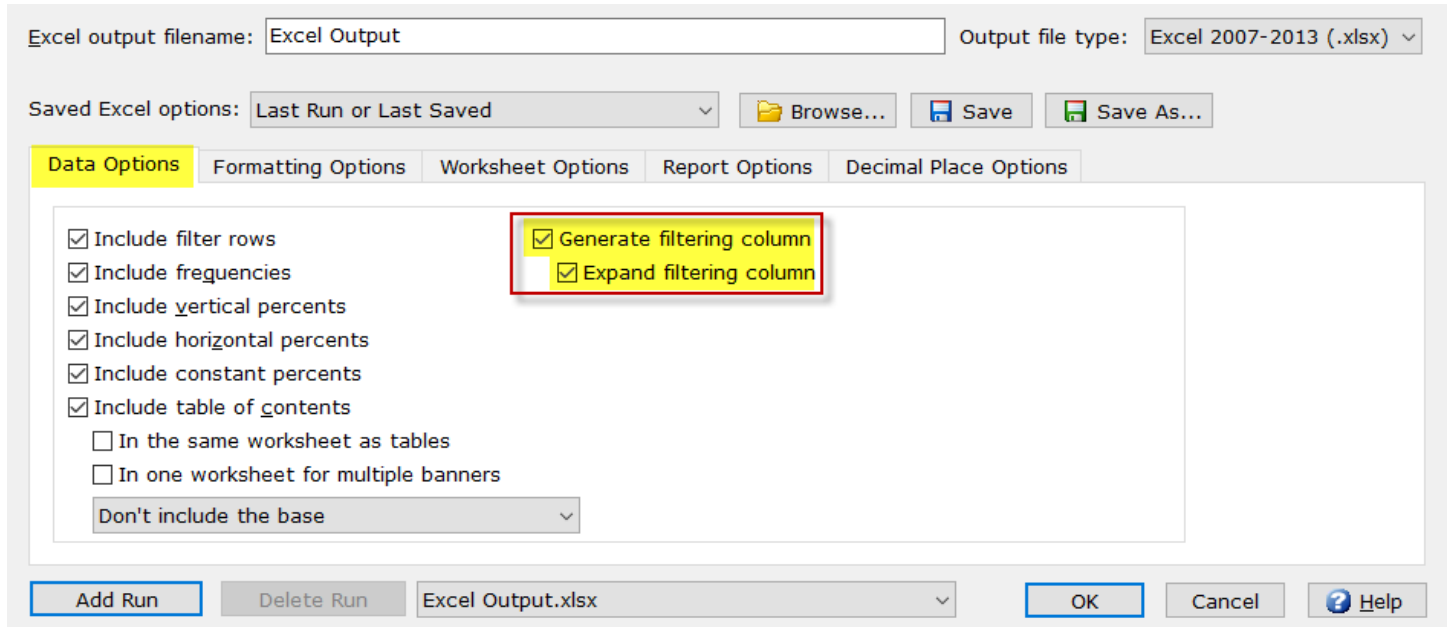
Excel output offers additional **Cell Border** options. Merged columns have their own border options located under **Excel | Options | Report Options | Cell Borders...** in addition all cell border colors can be individually selected.



Excel Generate Filtering Column

Generate Filtering Column shows the row number (1, 2, 3, 4) for job title, table title, subtitle, and footnote. This feature adds more ability for Excel macros.

Excel | Options | Data Options | Generate filtering column | Expand filtering column



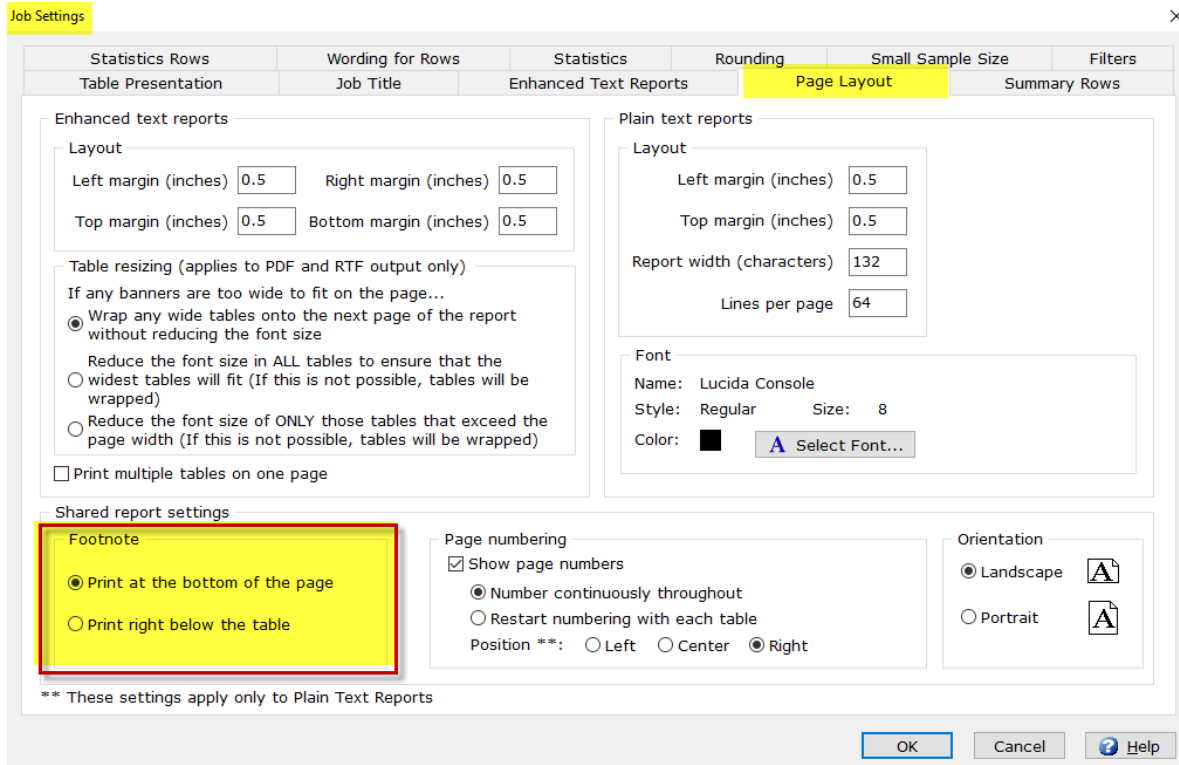
Excel output:

A	B	C
1	Apply Filter	Table QD1
2		
3	Job Title 1	Table job title row 1
4	Job Title 2	Table job title row 2
5	Job Title 3	Table job title row 3
6	Job Title 4	Table job title row 4
7		
8		
9	Table Title 1	Table title row 1
10	Table Title 2	Table title row 2
11	Table Title 3	Table title row 3
12	Table Title 4	Table title row 4
13	Table Subtitle 1	Subtitle 1
14	Table Subtitle 2	Subtitle 2
15	Table Subtitle 3	Subtitle 3
16	Table Subtitle 4	Subtitle 4

Significance Footnote location

The **Significance Footnote location** can be adjusted to show at the bottom of the page (default), or directly below the table.

Setup | Job Settings | Page Layout | Footnote



Print at the bottom of the page example:

Table QD7 Page 1

D.7 Gender

	Age							Gender	
	Total (A)	18-24 (B)	25-34 (C)	35-44 (D)	45-54 (E)	55-64 (F)	65 or older (G)	Male (H)	Female (I)
Total Answering	880 100.0	35 100.0	130 100.0	159 100.0	189 100.0	155 100.0	176 100.0	528 100.0	352 100.0
Male	528 60.0	19 54.3	72 55.4	103 64.8	112 59.3	96 61.9	101 57.4	528 100.0	-
Female	352 40.0	16 45.7	58 44.6	56 35.2	77 40.7	59 38.1	75 42.6	-	352 100.0
No Answer	-	-	-	-	-	-	-	-	-

Comparison Groups: BCDEFG/HI
 Independent T-Test for Means (unequal variances), Independent Z-Test for Percentages (unpooled proportions)
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Print right below the table example:

Table QD7 Page 1

D.7 Gender

	Age							Gender	
	Total (A)	18-24 (B)	25-34 (C)	35-44 (D)	45-54 (E)	55-64 (F)	65 or older (G)	Male (H)	Female (I)
Total Answering	880 100.0	35 100.0	130 100.0	159 100.0	189 100.0	155 100.0	176 100.0	528 100.0	352 100.0
Male	528 60.0	19 54.3	72 55.4	103 64.8	112 59.3	96 61.9	101 57.4	528 100.0	-
Female	352 40.0	16 45.7	58 44.6	56 35.2	77 40.7	59 38.1	75 42.6	-	352 100.0
No Answer	-	-	-	-	-	-	-	-	-

Comparison Groups: BCDEFG/HI
 Independent T-Test for Means (unequal variances), Independent Z-Test for Percentages (unpooled proportions)
 Uppercase letters indicate significance at the 95% level.
 Lowercase letters indicate significance at the 90% level.

Notes:

- Changing the significant footnote location is extremely handy when saving to RTF and PDF.
- Adding **Print multiple tables on one page** located under **Setup | Job Settings | Page Layout** adds the ability to create multiple enhanced text tables on a single page

The screenshot shows the 'Job Settings' dialog box with the 'Page Layout' tab selected. The 'Enhanced text reports' section contains a 'Layout' sub-section with margin settings (Left, Right, Top, Bottom) all set to 0.5 inches. Below this is a 'Table resizing' section with three radio button options. The first option, 'Wrap any wide tables onto the next page of the report without reducing the font size', is selected. The second option is 'Reduce the font size in ALL tables to ensure that the widest tables will fit (If this is not possible, tables will be wrapped)'. The third option is 'Reduce the font size of ONLY those tables that exceed the page width (If this is not possible, tables will be wrapped)'. The 'Print multiple tables on one page' checkbox is checked and highlighted with a red box. The 'Plain text reports' section has a 'Layout' sub-section with 'Report width (characters)' set to 132 and 'Lines per page' set to 64. The 'Font' section shows 'Name: Lucida Console', 'Style: Regular', and 'Size: 8'. The 'Shared report settings' section has 'Footnote' set to 'Print right below the table'. The 'Page numbering' section has 'Show page numbers' checked, 'Number continuously throughout' selected, and 'Position' set to 'Right'. The 'Orientation' section has 'Landscape' selected. At the bottom, there are 'OK', 'Cancel', and 'Help' buttons. A note at the bottom left states: '** These settings apply only to Plain Text Reports'.

Compatibility with Latest Version of SPSS

WinCross 21 is compatible with SPSS version 27. For compatibility with WinCross, we recommend saving files in SPSS using **Locale (code page) encoding**.

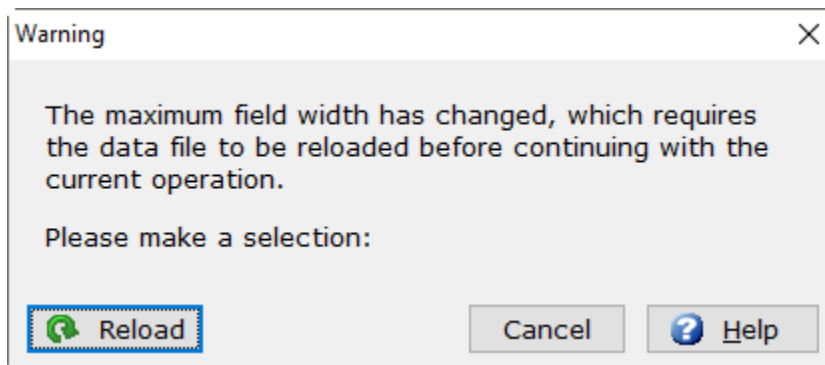
Other features for WinCross 21

- Improved **screen sharing** across multiple platforms i.e., Zoom, Microsoft Teams, Go-To-Meeting, etc.
- **CALC** statement has added **Median** (I) and **Mode** (O) capabilities.
- **Express table setup** and **Setup tables** – Added ability to control the **character case** i.e., lower case, upper case, title case, and sentence case using the right mouse click. Example:

Name	Title	Index
QD1	D.1 Age	1
QD2	D.2 Race	2
QD3	D.3 Educ	3
QD4	D.4 Inco	4
QD7	D.7 Gen	5
Q1_1	Q.1 Agr	6
Q1_2	Q.1 Agr	7

- Glossary **INDEX** statements can be combined when using OR/AND logic.
- **Reload data file warning - Why am I seeing a Warning to Reload my file?**

You may experience the below warning message asking to Reload the data file.



WinCross job/data files created prior to v21 were limited to 12 characters. V21+ no longer has this limit and uses the full string. When loading job files *prior* to v21 the default width is set to 12 and can be changed under **Setup | Job Settings | Table Presentation | Max Field Width**. New job files created using v21 will default to the max width of 32767. If the field width is changed while an active data file is open the reload prompt will appear when using any of the creation and run features.