WINCROSS®
What's New Guide

Version 21

The Analytical Group Inc.

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 Repot 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 dissatisf	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**
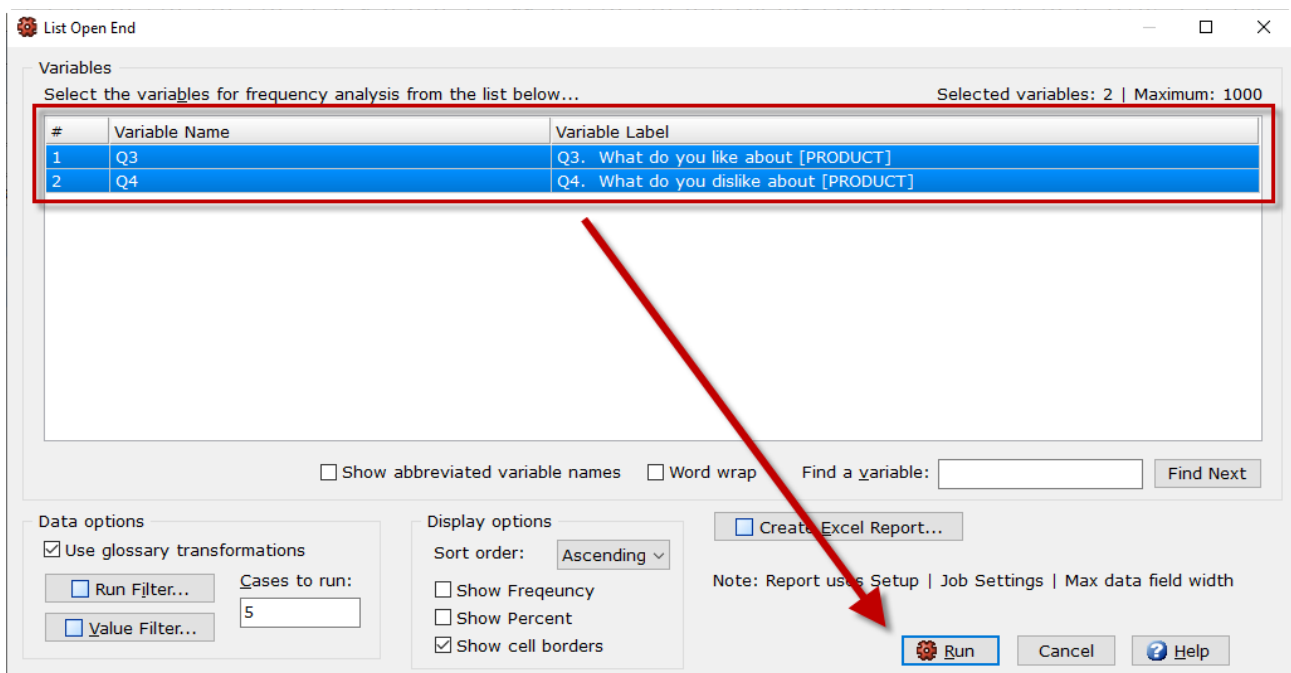
Q3
Q3. What do you like about [PRODUCT]

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:

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

Q4
Q4. What do you dislike about [PRODUCT]

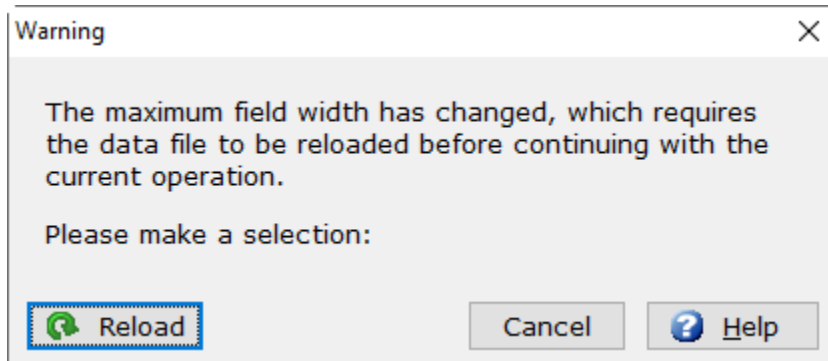| Contents |
| --- |
| Expensive |
| It's expensive |

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.

Warning	×
The maximum field width has changed, which requires the data file to be reloaded before continuing with the current operation.	
Please make a selection:	
⟳ Reload Cancel ❓ Help	

## 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.
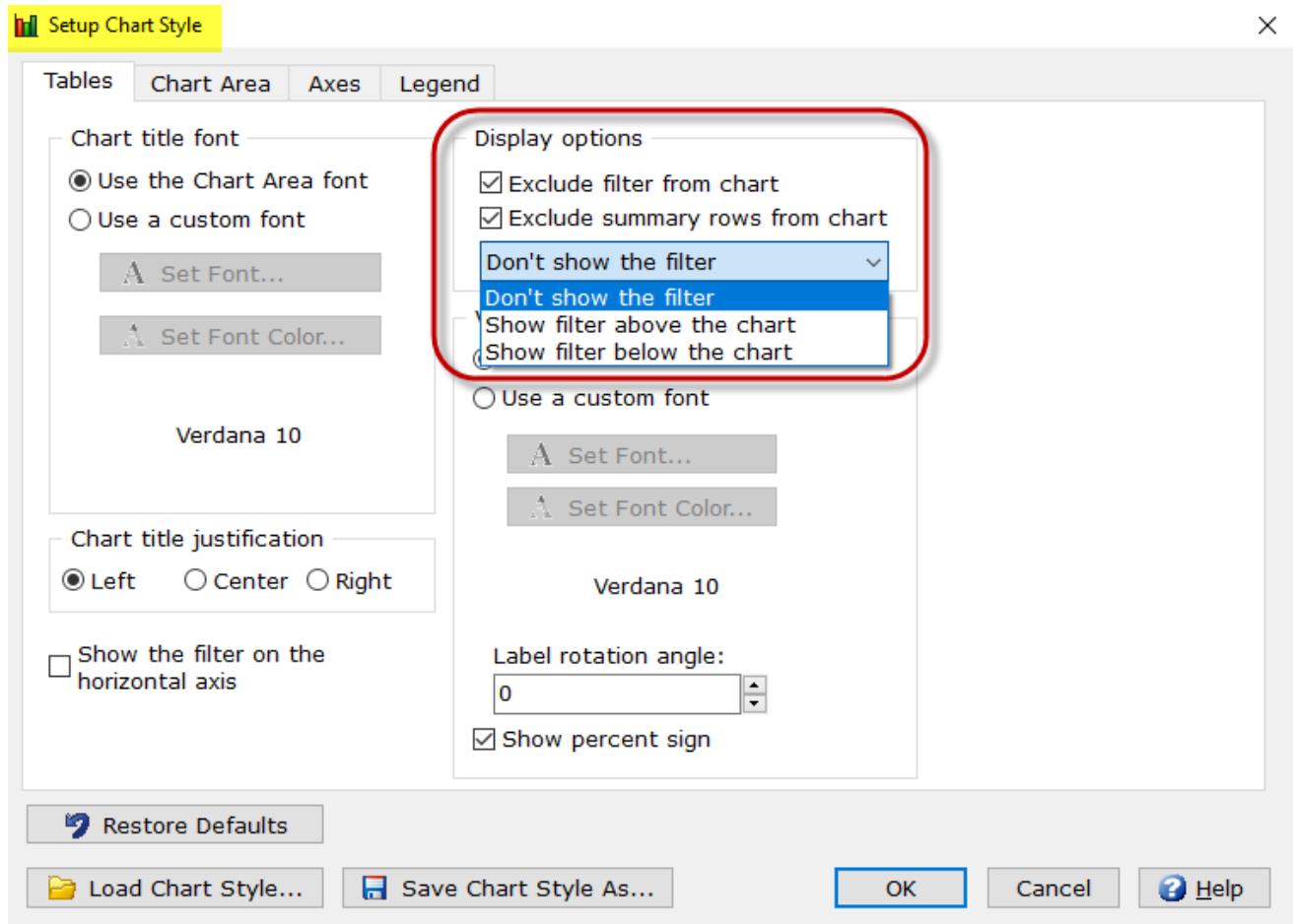
2. Show the filter on the horizontal axis. **NOTE**: this feature applies when using VAR+. The filter will be added to each stub.
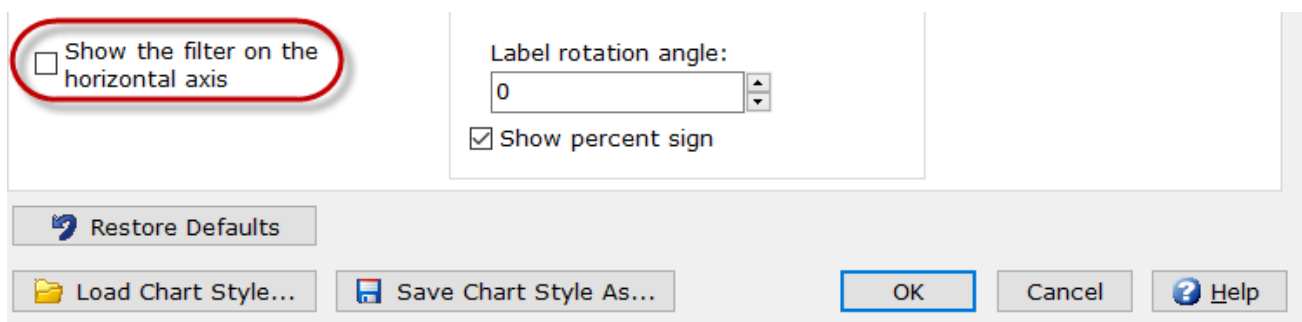
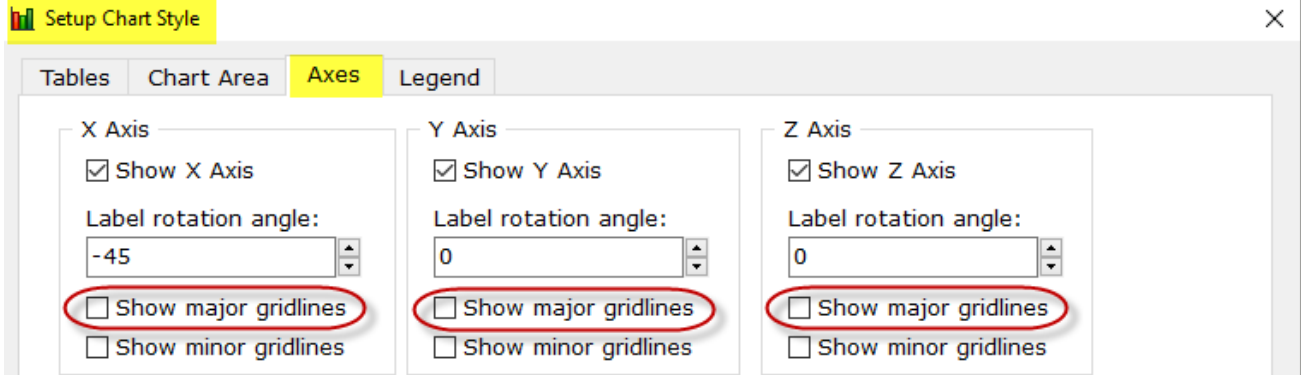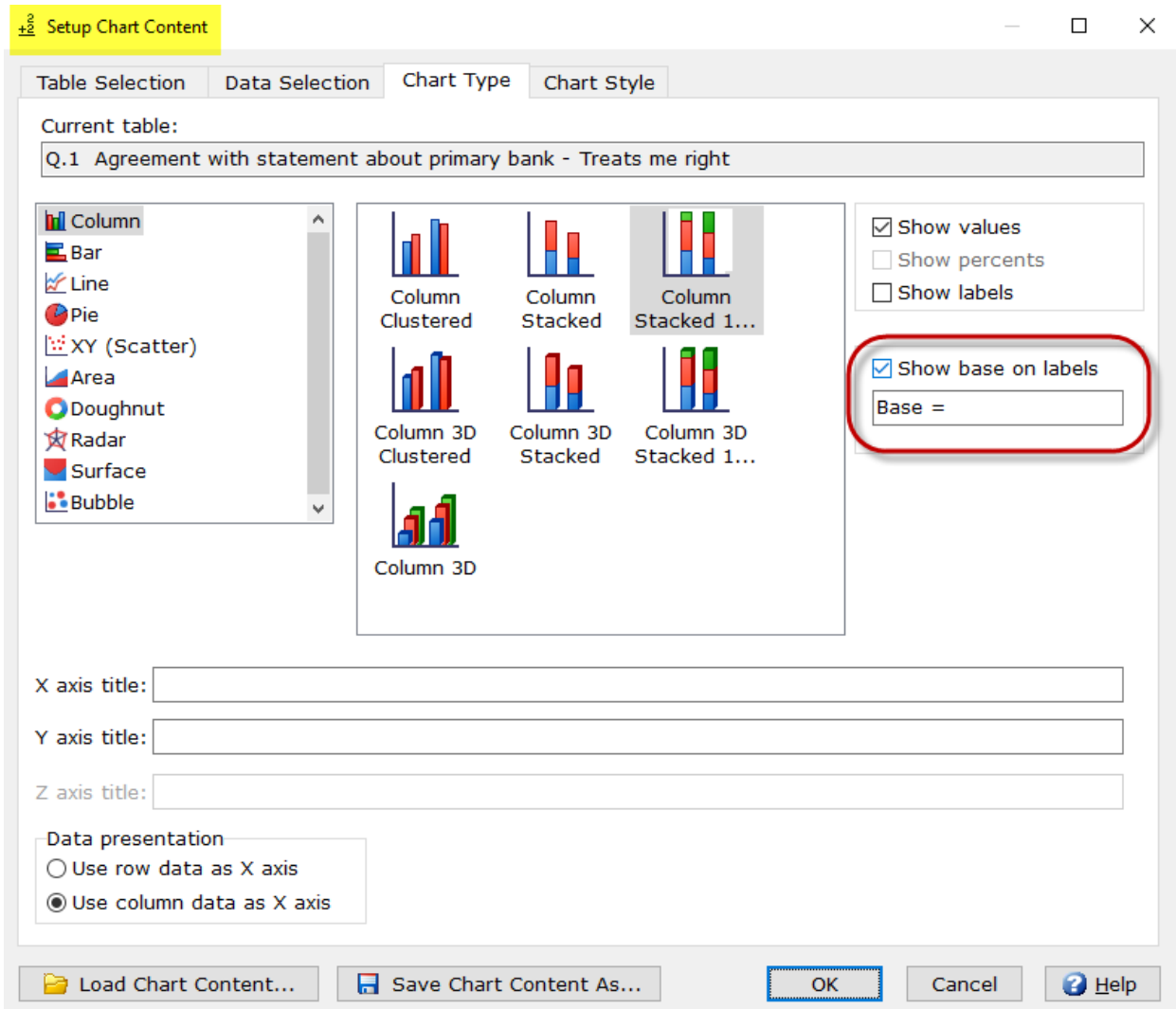3. **Major gridlines** can be removed under the **Axes** tab.

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:
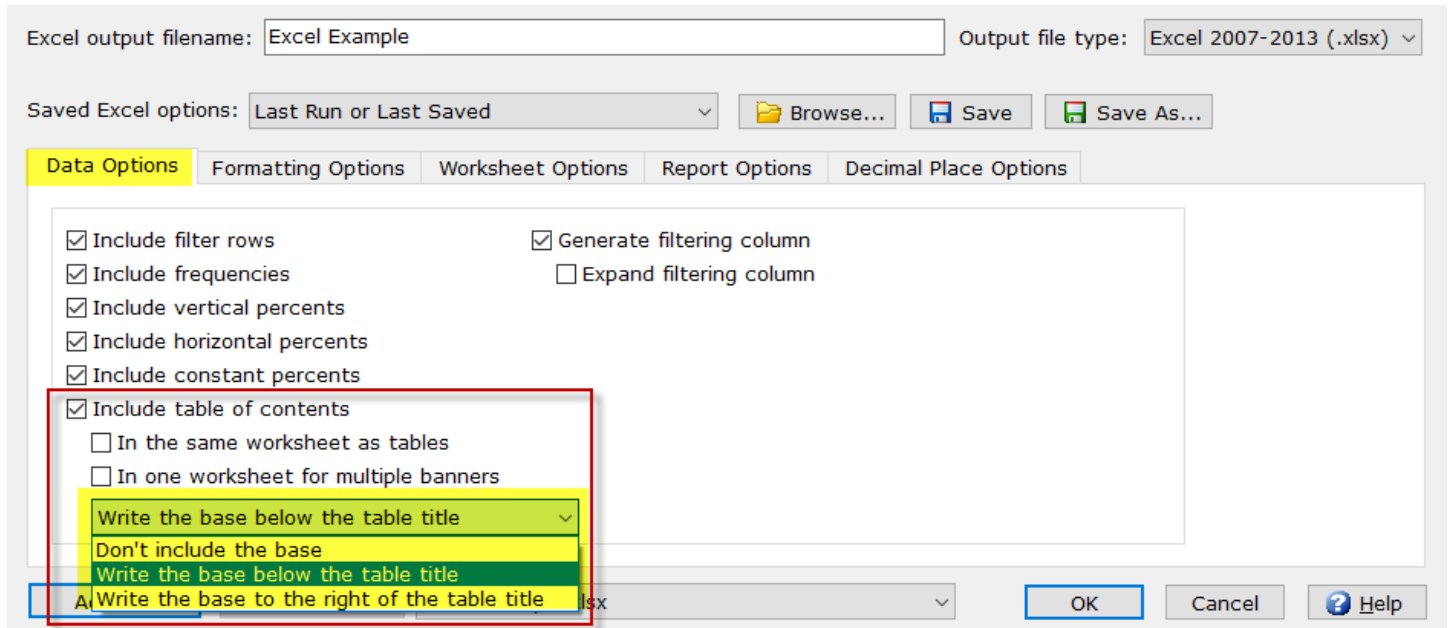
Q.1 Agreement with statement about primary bank - Treats me right
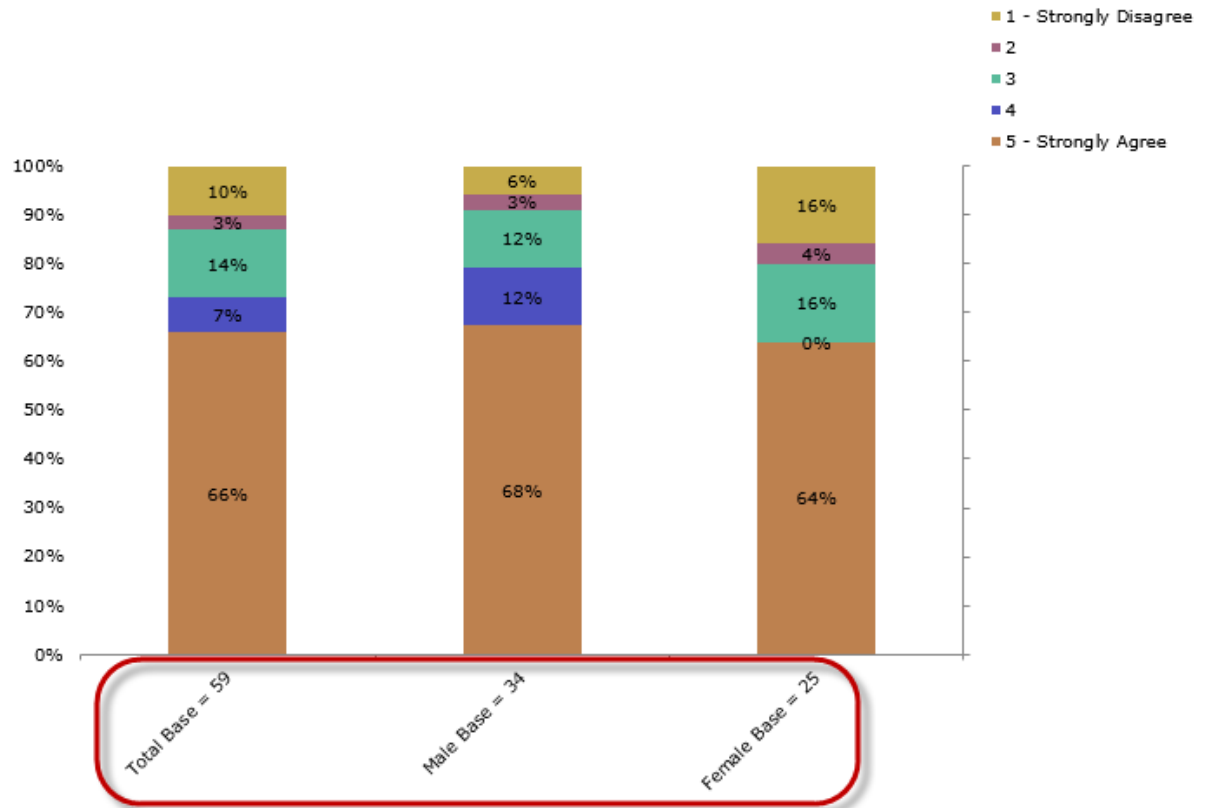
Total Answering N= 59

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:

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$A_DUPETEST = EXAMPLE$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.
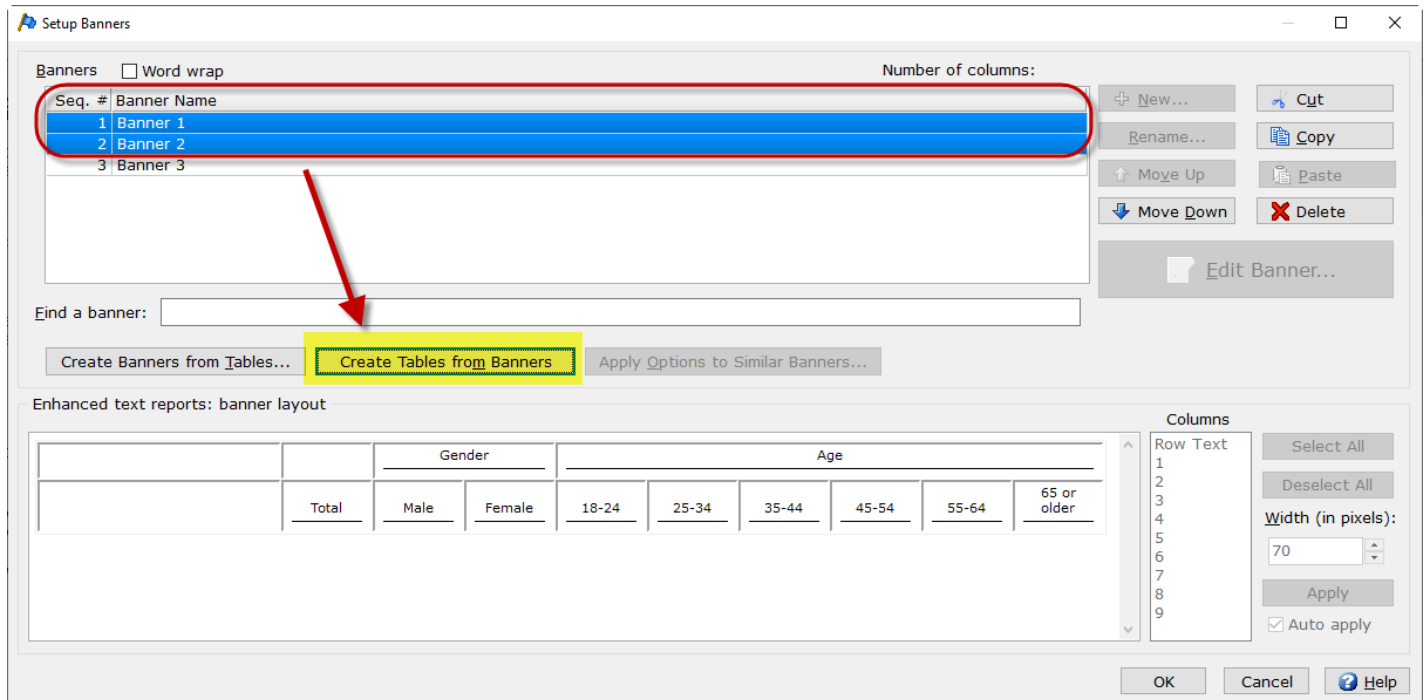2. Choose **Create Tables from Banners**

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.

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.
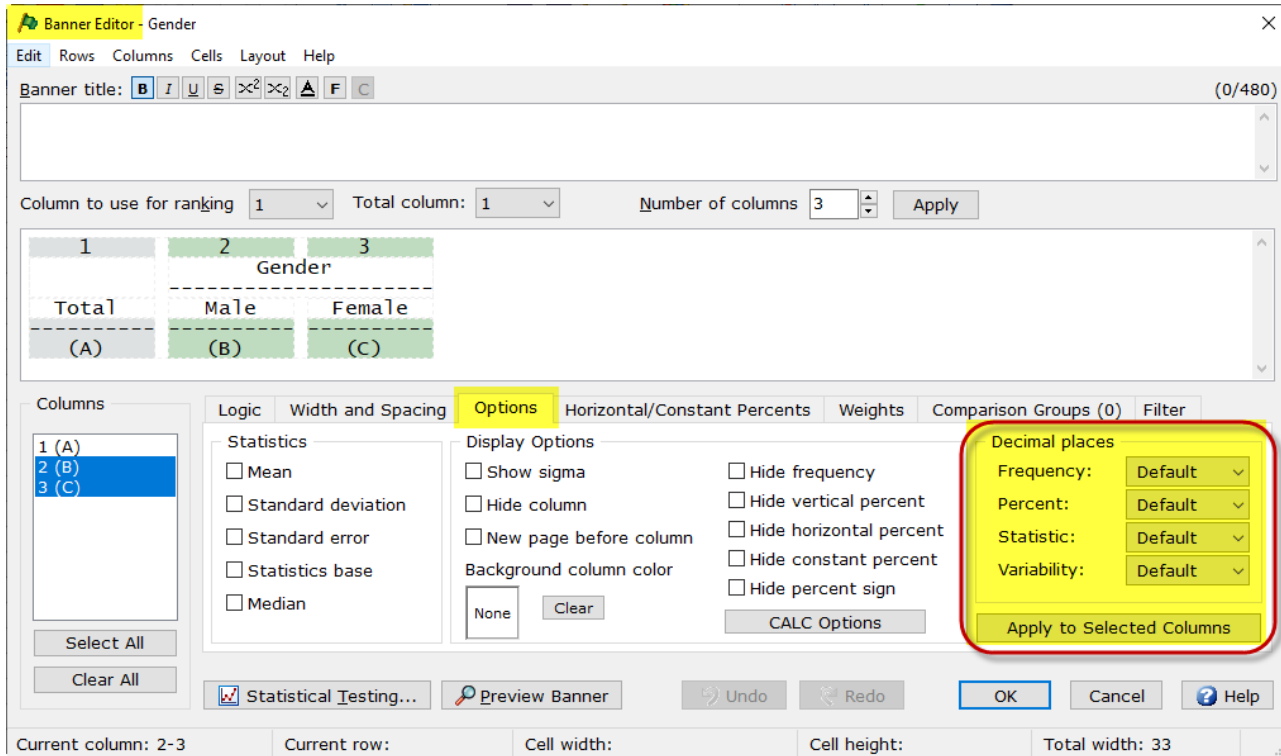
CALC Options

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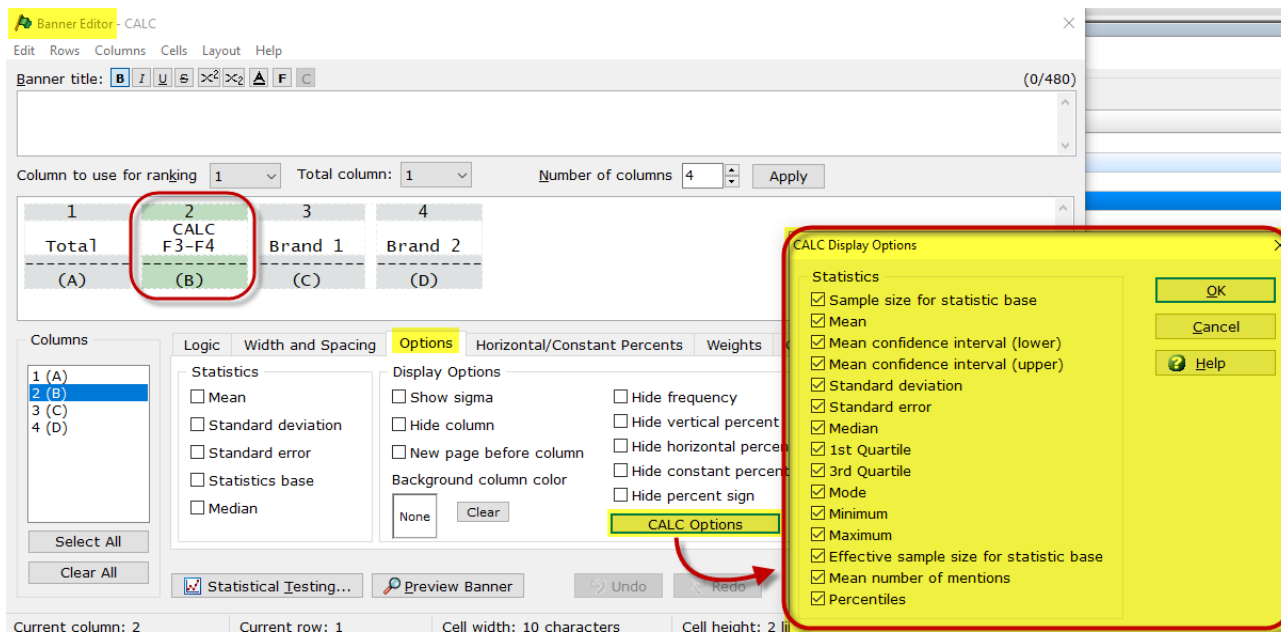
Syntax commands for DATE variables

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:

```
T1^1
 OR,OV,S2,P1,V2,SA,SP
 Date Example
 Total^TN^0
 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:

	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	1449575	18-May-2020 21:28:47
9	1468802	17-Feb-2020 21:41:49
10	1399665	5-Jan-2020 21:46:38

☐ Word wrap   ☑ Spell check   ☐ Show value labels

2422312

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.

Excel Cell Borders

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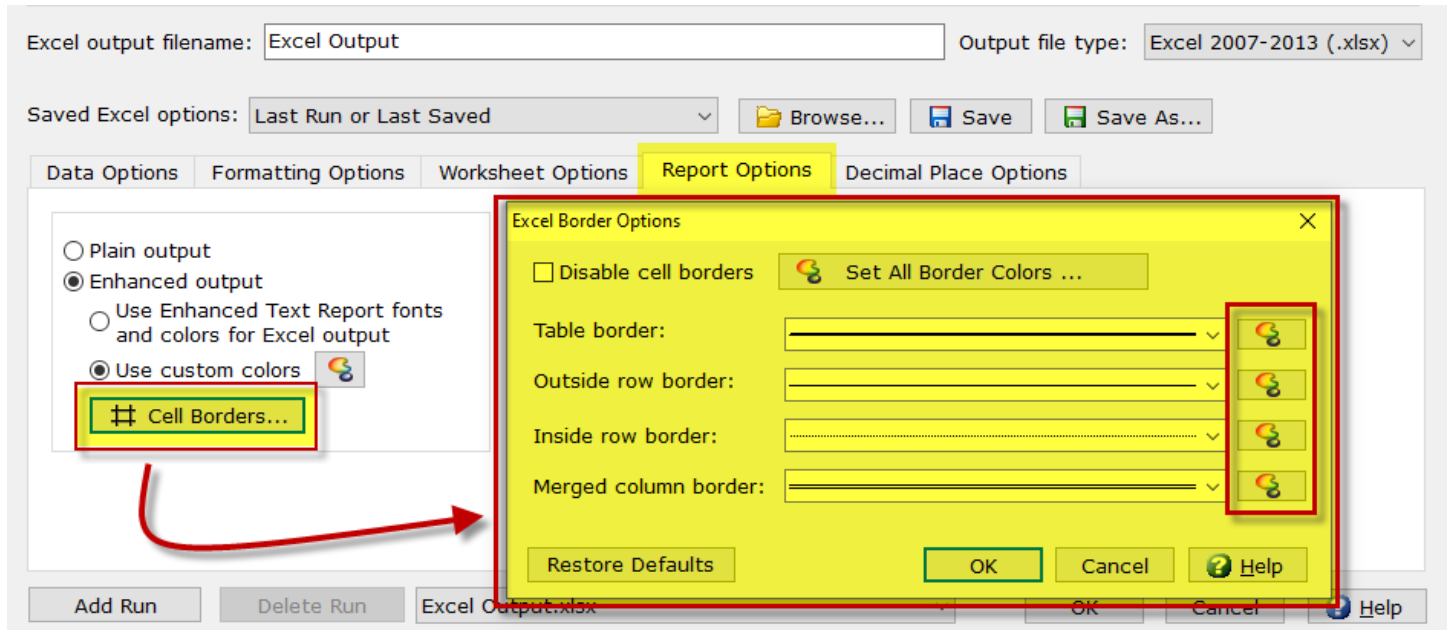
Excel Generate Filtering Column

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:

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

Job Settings   ×

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

Enhanced text reports

Layout

Left margin (inches) 0.5   Right margin (inches) 0.5

Top margin (inches) 0.5   Bottom margin (inches) 0.5

Table resizing (applies to PDF and RTF output only)

If any banners are too wide to fit on the page...
- ◉ Wrap any wide tables onto the next page of the report without reducing the font size
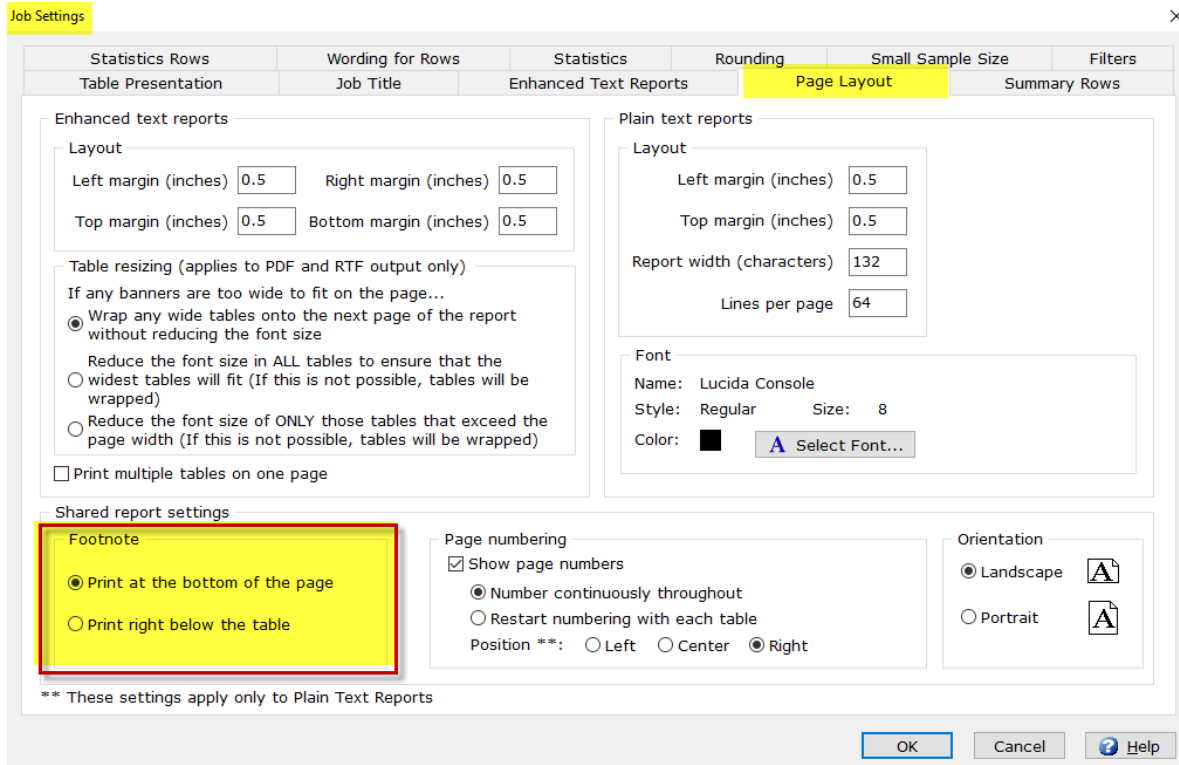- ○ Reduce the font size in ALL tables to ensure that the widest tables will fit (If this is not possible, tables will be wrapped)
- ○ Reduce the font size of ONLY those tables that exceed the page width (If this is not possible, tables will be wrapped)

☐ Print multiple tables on one page

Plain text reports

Layout

Left margin (inches) 0.5

Top margin (inches) 0.5

Report width (characters) 132

Lines per page 64

Font

Name: Lucida Console

Style: Regular   Size: 8

Color: ■   A Select Font...

Shared report settings

Footnote
- ◉ Print at the bottom of the page
- ○ Print right below the table

Page numbering
- ☑ Show page numbers
  - ◉ Number continuously throughout
  - ○ Restart numbering with each table
  - Position **: ○ Left ○ Center ◉ Right

Orientation
- ◉ Landscape A
- ○ Portrait A

** These settings apply only to Plain Text Reports

OK   Cancel   ? Help

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:

D.7 Gender

	Total (A)	Age 18-24 (B)	25-34 (C)	35-44 (D)	45-54 (E)	55-64 (F)	65 or older (G)	Gender 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

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**.
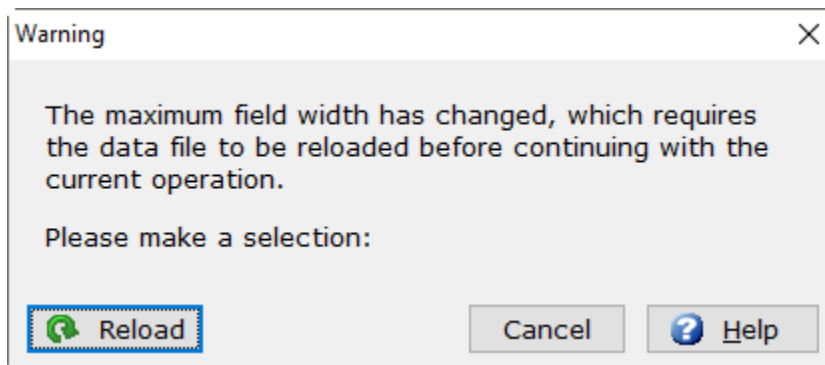
Other features for WinCross 21

- 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 Rac Lower case	2
QD3	D.3 Edu Upper case	3
QD4	D.4 Inc Title case	4
QD7	D.7 Ger Sentence case	5
Q1_1	Q.1 Agr out primary bank - Treats me right	6
Q1_2	Q.1 Agreement with statement about primary bank - Is the right bank for households and small businesses	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.

  Warning ✕

  The maximum field width has changed, which requires the data file to be reloaded before continuing with the current operation.

  Please make a selection:

  [Reload]   [Cancel]   [? Help]

  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.