

Results Crosstabs Webinar

Meet Your Trainer

Jaime Ransom
Senior Training Specialist



Learning Objective

Help Report Writers understand how to create Crosstabs within Results.

Agenda

Crosstab Overview

Use Cases for
Crosstabs

Counts in Crosstabs

Crosstab Overview

Crosstab Overview

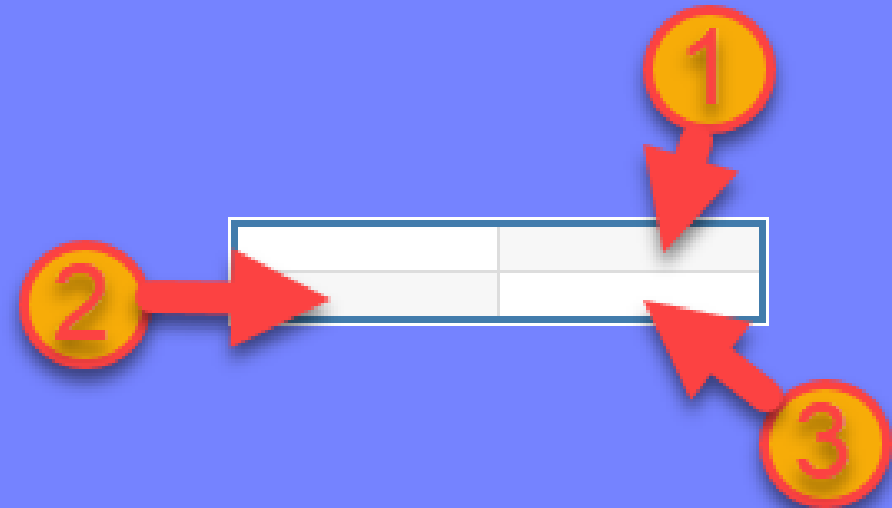
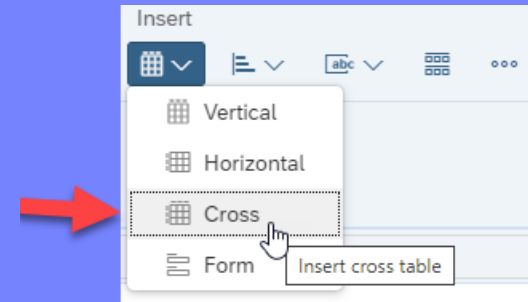
- A type of table template in Results along with vertical and horizontal tables
 - Found under the Insert menu
 - Also accessible by selecting and right clicking, and through the wrench icon on the right
- Displays all answers stored in objects in their own individual column/row headers
- Facilitates comparison of two related data objects.
- Pair well with a footer calculations like sum

Crosstab Overview

In the Insert menu, click Insert Table > Cross

Click to place in your report

Drag your Data Objects into the column header (1), row header (2), and body (3) of the cross table. The object in the body will be your focal point, often a Count variable.



Use Cases For Crosstabs

Use Cases for Crosstabs

- To see how two different related data points overlap.
- Example: A Tier 1 Intake Form captures **Age Range** and a Tier 2 Employment Placement Form captures **Starting Wage**.

Age Range	Starting Wage (per hour)				
	\$10-12	\$13-14	\$14-15	\$16-17	\$18-19
18-24		2			
25-32					
33-45					
46-60	1	3	1	1	1
61+					
Sum:	1	5	1	1	1

Use Cases for Crosstabs

You should have a table that looks like this:

As you can see, the data in both tables is the same, but this layout is much more organized and easier to make sense of.

	Female	Male	Transgender
1 - Program A		1	
2 - Program B	3		
Adult Case Management	30	25	
Mentoring	4	2	
Program A	26	30	
Program B	24	31	1
Program C	14	13	
Workforce Development	4		3
Youth Development	12	7	1
	7	6	

Use Cases for Crosstabs

It's important to have participant IDs in the table because "Name" is not a unique value, if you have 2 participants with the same name you may get MULTIVALUE errors. We can include the ID and the participant name in the report.

- Drag the [Name_198] object into the table to the left of the record ID.

Now the table should be sorted by name, but we're still seeing a lot of participants with no employment in the table.

		7-11 Thornhill	Avila Construc	Flowerland Ni	Foster's Freez	Geek Squad
Abigail Lamb	1,628	Full-time	Full-time	Full-time	Full-time	Full-time
Adriane Northrop	1,569	Part-time	Part-time	Part-time	Part-time	Part-time
Alicia Leander	2,395					
Alyssa Navarez	2,379					
Amanda Clifford	1,648					
Amelia Deering	1,608	Full-time	Full-time	Full-time	Full-time	Full-time
Amos Tatum	1,671					
Amy Locke	1,647					
Angelica Fitzsimmons	1,636					
Anh Walker	1,676					
Arthur Glover	1,558					
Benito Brown	1,543	Part-time	Part-time	Part-time	Part-time	Part-time
Bobby Kim	2,468	Full-time	Full-time	Full-time	Full-time	Full-time
Bobby Thomas	2,432					
Bobby Thomason	1,652	Full-time	Full-time	Full-time	Full-time	Full-time
Bonnie Lee	1,548	Full-time	Full-time	Full-time	Full-time	Full-time
Brady Jones	2,523	Full-time	Full-time	Full-time	Full-time	Full-time
Brandon Goodale	1,605					
Brenda Coffey	1,640					
Brenda Cook	1,642					
Brenda Hartley	1,564					

Counts in Crosstabs

Counts in Crosstabs

- Counts are needed to create summary tables, charts, and graphs

Examples of Counts (typically using associated IDs):

- Count of Participants
- Count of Forms/TouchPoints Completed
- Count of Enrollments
- Count of Referrals
- Count of Case Workers

Create Variable

Name: Qualification:

Description:

Type:

Formula

Objects

Type here to filter objects tree

- Dimensions
 - Date of Birth_95
 - Gender_8
 - Participant Name_2
 - Primary Language_498
 - Race_147
 - Record Id**
- Variables

Functions

Type here to filter functions tree

- All
- Aggregate
- Character
- DataProvider
- DateTime
- Document
- Logical
- Misc
- Numeric
- Set

Operators

= < <= <> > >=

. + - / * ()

Values...

Prompts...

:

;

After

All

And

Ascending

Before

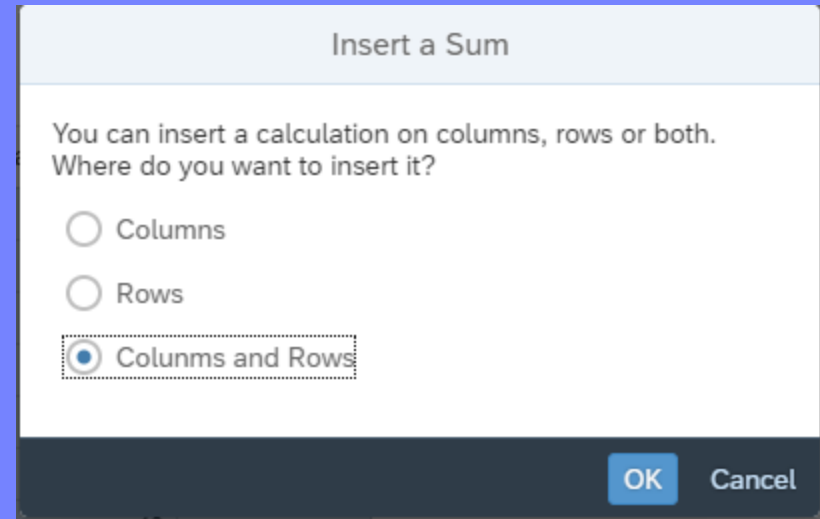
Before After

Record Id

Counts in Crosstabs

1. Confirm that the center object is a Count variable (measure)
2. Right-click onto any of the count values > Footer Calculations > Sum
3. For this crosstab, we'll select "Columns and Rows"

You should now see sums across the bottom for each gender, and on the right for each program



Insert a Sum

You can insert a calculation on columns, rows or both. Where do you want to insert it?

Columns

Rows

Columns and Rows

OK Cancel

	Female	Male	Transgender	Sum:
1 - Program A		1		1
2 - Program B	3			3
Adult Case Management	30	25		55
Mentoring	4	2		6
Program A	26	30		56
Program B	24	31	1	56
Program C	14	13		27
Workforce Development	4		3	7
Youth Development	12	7	1	20
	7	6		13
Sum:	124	115	5	244

Counts in Crosstabs

If you look at the bottom of your Programs table you'll notice that there are participants who are not enrolled in any program and the row is blank. To clean this up, you can change your vertical header to a formula like this:

=If IsNull([Program Enrolling_1721]) Then "Not Enrolled" Else [Program Enrolling_1721]

The IsNull() function says "If there is no value for the program name, put "Not Enrolled" otherwise, show me the program name.

	Female	Male	Transgender	Sum:
1 - Program A		1		1
2 - Program B	3			3
Adult Case Management	30	25		55
Mentoring	4	2		6
Program A	26	30		56
Program B	24	31	1	56
Program C	14	13		27
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Counts in Crosstabs

You may also want a value in every cell instead of having blanks within the report. Since your center cell is an aggregate formula, you can simply add “+0” to the calculation to add a placeholder of zero when there is no value:

=*[Count of Participants]* + 0

	Female	Male	Transgender	Sum:
1 - Program A		1		1
2 - Program B	3			3
Adult Case Management	30	25		55
Mentoring	4	2		6
Not Enrolled	7	6		13
Program A	26	30		56
Program B	24	31	1	56
Program C	14	13		27
Workforce Development	4		3	7
Youth Development	12	7	1	20
Sum:	124	115	5	244

	Female	Male	Transgender	Sum:
1 - Program A	0	1	0	1
2 - Program B	3	0	0	3
Adult Case Management	30	25	0	55
Mentoring	4	2	0	6
Not Enrolled	7	6	0	13
Program A	26	30	0	56
Program B	24	31	1	56
Program C	14	13	0	27
Workforce Development	4	0	3	7
Youth Development	12	7	1	20
Sum:	124	115	5	244

Additional Resources

Additional Training Opportunities

- Knowledge Base Articles – Search in Chat
- On-demand Videos in our [Bonterra Academy](#)
- Free Webinars & Recordings
- Foundations - Intensive Multiday Trainings that Cover the Basics
- Labs - 2 hr Live Trainings on Specific Topics and Capabilities



Build confidence and knowledge
in our software.

Customer Support

Reach out to our Customer Support Team with Questions or Concerns.

Weekdays 7am – 7pm CST via chat or through email: apricot@bonterratech.com

Q & A

- Ask questions about functionality covered in this training
- Ask trainer to redo a demo
- Ask real-life application questions
- Or sign off and we will see you in the next training!



Thank you for attending!

We hope to see you
in future trainings.