Features of Excel PivotTables Generated by the QVR System

The QVR System produces several standard reports in Excel PivotTable[®] Format

This tutorial describes:

The relationship between some of the "Public Saved Queries" and specific Standard Report outputs

Highlights the capabilities of the Excel PivotTables that are generated by the QVR System

June 26, 2003

Relationship Between Public Queries and Standard Reports

There are four Standard Reports for which specific "Public Queries" have been prepared for your convenience.

These Public Queries have pre-selected the search criteria that would logically match the corresponding Standard Report.

The following image shows the linkage between these Public Queries and Standard Reports.

However, it is not required that you use these Public Queries to run the Standard Reports.

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Highlights of the Capabilities of the Excel PivotTable Feature of the QVR System

What is a **PivotTable**?

A PivotTable is a summary of data that is contained in a database—in this case—data downloaded from IMPAC and the Data Warehouse using the QVR system.

The name PivotTable is derived from the feature that data can be analyzed on different dimensions—thus *pivoted* on different fields.

The PivotTable feature is dynamic in that the raw data can be manipulated and the data is re-summarized in the PivotTable. What Does the Standard Report— PivotTable Contain in QVR?

The Standard Report in QVR usually contains three pages or tabs (lower-left corner of the screen).

- **Report Criteria:** This tab contains the search criteria used to generate the report as well as other pertinent information.
- **Raw Data:** This tab has all of the raw data that goes into the final PivotTable.
- **Final:** This tab is the PivotTable summary of all the data
- in the Standard Report.
- Navigating these tabs will be demonstrated in the example to follow.

Example Search

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Standard Report Selection Screen

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34		100 RPG Total		43,456,173	34,397,960	31,954,601	5,4	aaluur	nns in the raw o	lata
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12			Y	48,546,430	4, 193,834	43,189,531	38,728,056	25,776,331	Submechanism				
13		100 RPG Total		248,636,866	211,654,	173,089,337	85,388,213	25,812,441	Admin IC				
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26		100 RPG Total		2,872,067									
27 28		210 CENTERS SPEC/COMP	N		18,145,081	9,732,550	5,846,769	1,642,995					
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33			Y	2,182,737	1,816,720	1,789,302	1,766,907	1,531,581					
34		100 RPG Total		43,456,173	34,397,960	31,954,601	5,438,795	3,821,608					
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12 13	(Show All)		Y	48,546,430	47,193,834	43,189,531	38,728,056	25,776,331	Submechanism				
13	Research Projects	Total		248,636,866	211,654,394	173,089,337	85,388,213	25,812,441	Admin IC				
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28			Y	9,608,995	9,850,454	9,568,846	9,267,967	9,382,222					
29		210 CENTERS SPEC/COM	IP Total	35,000,000	27,995,535	19,301,396	15,114,736	11,025,217					
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34					100 R	PG Total	I					43,456,173	34,397,960	31,954,601	5,438,795	3,821,608							
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28		210 CENTERS SPEC/		Y 9,608,995 35,000,000	9,850,454 27,995,535	9,568,846 19,301,396	9,267,967 15,114,736	9,382,222 11,025,217		
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34		100 RPG Total		43,456,173	34,397,960	31,954,601	5,438,795	3,821,608		
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QVR users can add various levels of detail to the Standard Report PivotTable. This section shows the process step-by-step.

In the PivotTable to follow (Budget—Total Award Frozen Data) only a few items are included in the Standard Report PivotTable; however, the raw data contains may additional data items. In this example, a user wants to include CAN in the Standard Report PivotTable.

M	1icrosoft Excel - Bud Pivot table	for class 6-10-03.asp-3								_ 8	×
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22		190 SB GRANTS Total		8,579,012	3,581,229	1,091,142	0	0	Comm Base FY + 1		
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Adding Item to Excel PivotTable

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11	Research Projects	100 RPG	N	8420815	3,714,947	11,643,405	8,171,756	4,876,6		Submechanism	
12				8420821	^{11,069,288}	41,556,336	42,752,419				
13				8420832	81,332,377	24,150,487	17,076,005	8,583,78		🗄 Admin IC	
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16				8420864 8420878	100,607,806	76,544,449 9,301,709	52,389,385 8,545,542	28,389,289 4,490,495	36	Acty	
17				8425421	18,799	3,301,103	0,040,042	4,430,433		Project	
18				8426184	1,612,933						
19			N Total		200,090,436	164,460,560	129,899,806	46,660,157	36		
20			Y	8420815	5,031,041	4,587,513	2,874,916	2,424,843	1,683	Reimo CAN	
21				8420832	7,134,219	7,303,793	7,215,837	4,608,213	3,065		
22				8420864	29,77. 85	30,080,979	27,759,567	26,253,047	16,473	📄 🥅 Comm Base FY + 1	
23	-			8420878	5,063,2	5,221,549	5,339,211	5,441,953	4,553		
24			Y Total	8425421	1,242,676	234	43,189,531	38,728,056	25,776	Add To Row Area	
26		100 RPG Total	1 Total		2 18,636,866	211,	173,089,337	85,388,213	25,812,4	441	
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QVR users can modify the PivotTable to analyze data on a sub-field. This section shows the process step by step.

In the PivotTable (Budget—Total Award Frozen Data) the user wants to analyze the data on the AIDS category. The AIDS data is downloaded as part of the raw data but it is not one of the data items in the final PivotTable.

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Inserting a Calculated Field onto an Excel PivotTable

QVR users may want to insert calculated fields in the Standard Report PivotTables. This section shows the process step by step.

In the following example, the user wants to make an estimate of what the total awarded funds would be for each budget category if that column of data is incremented upwards by 7 percent.

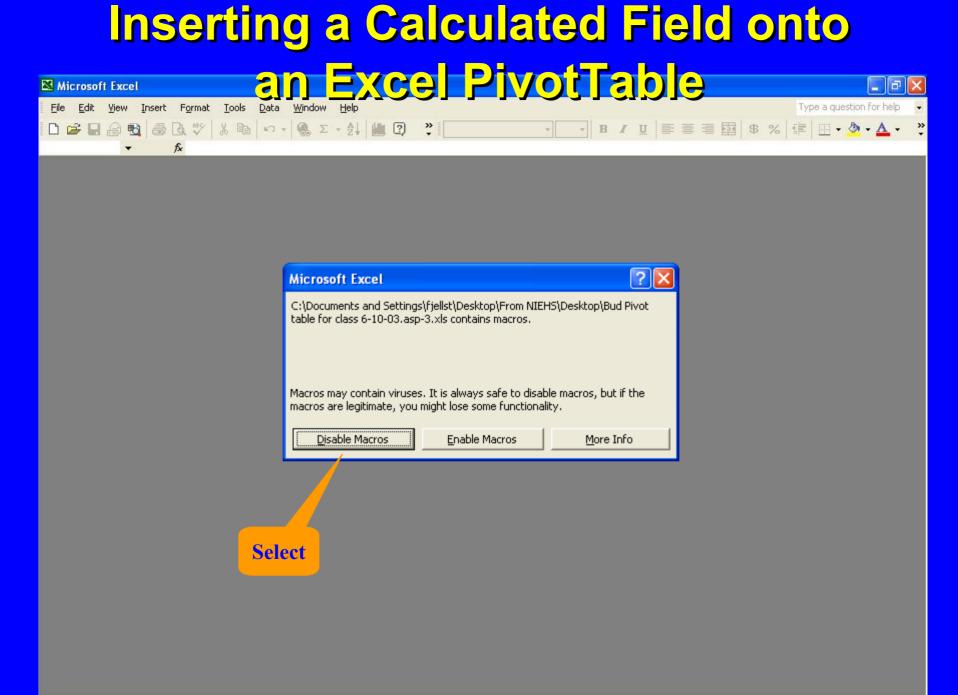
Inserting a Calculated Field onto an Excel PivotTable

To do this, you must first make sure that Macros are disabled.

Note: When you generate a Standard Report in QVR, it is necessary to "Enable Macros" to achieve the proper formatting of the report. However, once the file is saved on your hard drive, the macros are no longer necessary.

1) Open the Budget PivotTable file used in the previous example.

2) A dialog box appears. Select Disable Macros.



Inserting a Calculated Field onto

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32 Other Research Related	100 RPG	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027	Add To Row Area	-
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37	310 RES. CAREERS Total	4,926,080	4,199,850	3,071,350	1,311,418	355,297		
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11	Research Projects	100 RPG	 N	200,090,436	164,460,560	129,899,806	46,660,157	36,110		
12			Y	48,546,430	47,193,834	43,189,531	38,728,056	25,776,331		
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37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297		
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30	Research Centers Total	210 CENTERS S	SPEC/COMP I	otai	35,000,000 37,872,067	27,995,535 27,995,535	19,301,396 19,301,396	15,114,736 15,114,736	11,025,217 11,025,217	<	>	
31	Research Centers Total				31,012,001	21,999,999	19,301,390	15,114,130	11,025,217			
32	Other Research Related	100 RPG		N	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027	Add To Row Area	-	
33	Other Research Related	TOURPG		IN N					· · ·			
34	-	100 RPG Total		Ŷ	2,182,737 43,456,173	1,816,720 34,397,960	1,789,302 31,954,601	1,766,907 5,438,795	1,531,581 3,821,608			-
35	-	310 RES. CARE	FDS	N	3,854,958	3,107,505	1,974,376	956,425	3,021,000		ļ	-
35 36	-	STO RESI CARE		V N	1,071,122	1,092,345	1,096,974	354,993	355,297			-
37		310 RES. CARE	ERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297			-
	Other Research Related Total				48,382,253	38,597,810	35,025,951	6,750,213	4,176,905			
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12			Y	48,546,430	47,193,834	43,189,531	38,728,056	25,776,331	51,944,680	
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18	SBIR-STTR	100 RPG	Y	2,331,116	2,037,296	0	0	0	2,494,294	
19		100 RPG Total		2,331,116	2,037,296	0	0	0		
20		190 SB GRANTS	N						4,138,992	
21			Y	4,710,795	3,581,229	1,091,142	0	0	5,040,551	
22		190 SB GRANTS Total		8,579,012	3,581,229	1,091,142	0	0	9,179,543	
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25	Research Centers	100 RPG	N	-1					3,073,112	
26		100 RPG Total		2,872,067	10.1.1.0.0.1	0 700 755	P 0 10 711	4.040.000	3,073,112	
27 28		210 CENTERS SPEC/COMP	N Y		18,145,081	9,732,550	5,846,769	1,642,995	27,168,375	
20		210 CENTERS SPEC/COMP Total	Ŷ	9,608,995 35,000,000	9,850,454 27,995,535	9,568,846 19,301,396	9,267,967 15,114,736	9,382,222 11,025,217	10,281,625 37,450,000	
30	Research Centers Total	The centers of ecourt for		37,872,067	27,995,535	19,301,396	15,114,736	11,025,217	40,523,112	
31						12,201,000		- , ve open i		
32	Other Research Related	100 RPG	N	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027	44,162,577	
33			Y	2,182,737	1,816,720	1,789,302	1,766,907	1,531,581	2,335,529	
34		100 RPG Total		43,456,173	34,397,960	31,954,601	5,438,795	3,821,608	46,498,105	
35 36		310 RES. CAREERS	N	3,854,958	3,107,505	1,974,376	956,425	0	4,124,805	
36			Y	1,071,122	1,092,345	1,096,974	354,993	355,297	1,146,101	
37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297	5,270,906	
00	Other Research Related Total			48,382,253	38,597,810	35,025,951	6,750,213	4,176,905	51,769,011	
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QVR users can create additional PivotTables on different sheets using the Standard Report PivotTables.

This section shows the process step by step.

In the following example, the user wants to make separate PivotTables for each PCC.

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11		100 RPG	N	200,090,436		129,899,806	46,660,157	36,110		
12 13			Y	48,546,430	47,193,834	43,189,531	38,728,056	25,776,331		
13		100 RPG Total (blank)	N	248,636,866 0	211,654,394 0	173,089,337 117,786	85,388,213 0	25,812,441	PiyotTable Field List	▼ X
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18	SBIR-STTR	100 RPG	Y	2,331,116	2,037,296	0	0	0	Mechanism	
19		100 RPG Total		2,331,116	2,037,296	0	0	0		
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21	<u> </u>		Y	4,710,795	3,581,229	1,091,142	0	0	Admin IC	
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23	SBIR-STTR TOTAL			10,910,128	5,618,525	1,091,142	0		Acty	
24	Research Centers	100 RPG	N	2,872,067					Project	
26		100 RPG Total		2,872,067						
27		210 CENTERS SPEC/COMP	N	25,391,005	18,145,081	9,732,550	5,846,769	1,642,995		
28			Y	9,608,995	9,850,454	9,568,846	9,267,967	9,382,222	Reimb CAN	
29		210 CENTERS SPEC/COMP Total		35,000,000	27,995,535	19,301,396	15,114,736	11,025,217	Awd Tot \$(by CAN)	<u> </u>
30	Research Centers Total			37,872,067	27,995,535	19,301,396	15,114,736	11,025,217		
31									Add To Row Area	-
32		100 RPG	N	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027	AUG TO ROW AIGS	
33			Y	2,182,737	1,816,720	1,789,302	1,766,907	1,531,581		
34 35	- V	100 RPG Total 310 RES. CAREERS	N	43,456,173 3,854,958	34,397,960 3,107,505	31,954,601	5,438,795 956,425	3,821,608		
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37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297		
38				48,382,253	38,597,810	35,025,951	6,750,213	4,176,905		
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27		210 CENTERS SPEC/COMP	1	N 25,391,005	18,145,081		732,550	5,846,769	1,642,995		🗏 Reir	nb CAN		
28 29		240 CENTERS OF COMPLET-		Y 9,608,995	9,850,454	<u> </u>	568,846	9,267,967	9,382,222			l Tot \$(by CA	N) 🔽	
30	Research Centers Total	210 CENTERS SPEC/COMP Total		35,000,000 37,872,067	27,995,535 27,995,535		301,396 301,396	15,114,736 15,114,736	11,025,217 11,025,217	<				
31	Research Centers Total			31,012,061	21,999,999	- 19,	301,330	13,114,730	11,025,217					
32	Other Research Related	100 RPG	1	N 41,273,436	32,581,240	30 -	165,299	3,671,888	2,290,027		Add To	Row Area	-	
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34		100 RPG Total		43,456,173	34,397,960		954,601	5,438,795	3,821,608					-
35		310 RES. CAREERS	1	N 3,854,958	3,107,505		974,376	956,425	0,021,000					-
35 36			,	Y 1,071,122	1,092,345		096,974	354,993	355,297					-
37		310 RES. CAREERS Total		4,926,080	4,199,850		071,350	1,311,418	355,297					
38	Other Research Related Total			48,382,253	38,597,810	35,	025,951	6,750,213	4,176,905					-
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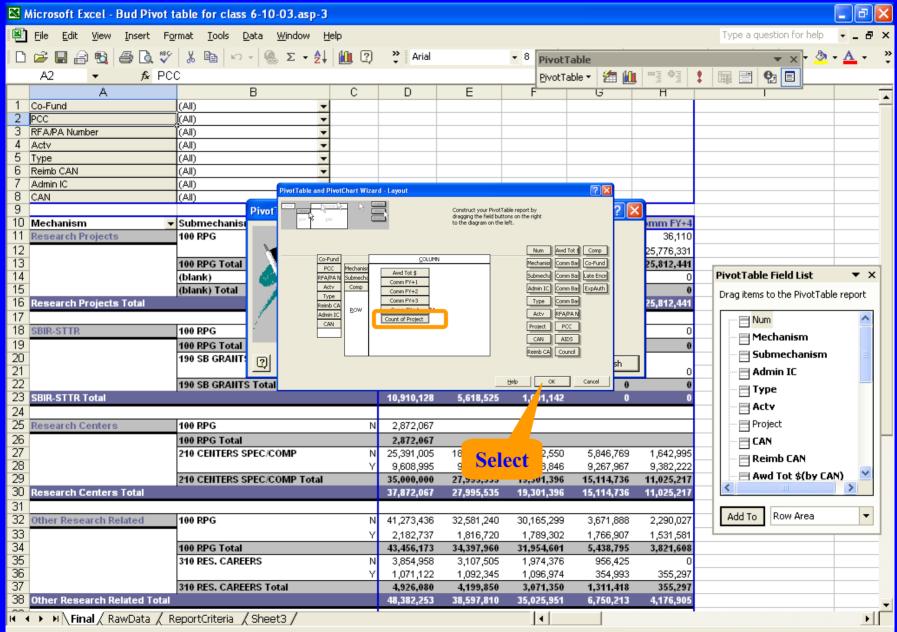
QVR users may add columns of data to a Standard Report Pivot Tables. This section shows the process step by step.

In the following example, the user wants to add a column to the PivotTable that "counts" the number of records in a particular column of data.

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12	Research Projects	TOURES		48,546,430	47,193,834	43,189,531	48,880,157 38,728,056	25,776,331			-
13		100 RPG Total	1	248,636,866	211,654,394	<u> </u>	85,388,213	25,812,441			-
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16	Research Projects Total			248,636,866	211,654,394	173,207,123	85,388,213	25,812,441			
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18	SBIR-STTR	100 RPG	Y	2,331,116	2,037,296	0	0	0	Mechanism		
19		100 RPG Total		2,331,116	2,037,296	0	0	0	Submechanism	=	
20 21		190 SB GRANTS	N	3,868,217 4,710,795	3,581,229	1,091,142	0	0			
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25	Research Centers	100 RPG	N	2,872,067					Project		
26		100 RPG Total		2,872,067							
27		210 CENTERS SPEC/COMP	N	25,391,005	18,145,081	9,732,550	5,846,769	1,642,995	Reimb CAN		
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29 30	Research Centers Total	210 CENTERS SPEC/COMP Total		35,000,000	27,995,535 27,995,535	19,301,396	15,114,736 15,114,736	11,025,217	< III		
31	Research Centers Total			37,872,067	21,990,030	19,301,396	13,114,736	11,025,217			
32	Other Research Related	100 RPG	N	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027	Add To Row Area	-	
33			Y	2,182,737	1,816,720	1,789,302	1,766,907	1,531,581			
34		100 RPG Total		43,456,173	34,397,960	31,954,601	5,438,795	3,821,608			-
35		310 RES. CAREERS	N	3,854,958	3,107,505	1,974,376	956,425	0			
36			Y	1,071,122	1,092,345	1,096,974	354,993	355,297			
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00	Other Research Related Total			48,382,253	38,597,810	35,025,951	6,750,213	4,176,905		ļ	-
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22		190 SB GRANTS Total		8,579,012	3,581,229	1,091,142	0	0	Type	
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30	Research Centers Total	ET CENTERS STECKCOMP TOUR		37,872,067	27,995,535	19,301,396	15,114,736	11,025,217	<	>
31				0110121001	21,000,000	1919011990	13,114,130	rijozojz i r		
32	Other Research Related	100 RPG	N	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027	Add To Row Area	-
33			v V	2,182,737	1,816,720	1,789,302	1,766,907	1,531,581		
34		100 RPG Total		43,456,173	34,397,960	31,954,601	5,438,795	3,821,608		
35 36		310 RES. CAREERS	N	3,854,958	3,107,505	1,974,376	956,425	0		
36			Y	1,071,122	1,092,345	1,096,974	354,993	355,297		
37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297		
38	Other Research Related Total			48,382,253	38,597,810	35,025,951	6,750,213	4,176,905		
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30	Research Centers Total	210 CENTERS OF ECICOMP TOTAL	37,872,067		19,301,396	15,114,736	11,025,217	<	>		
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32	Other Research Related	100 RPG	N 41,273,436	32,581,240	30,165,299	3,671,888	2,290,027	Add To Row Area	-		
33			Y 2,182,737		1,789,302	1,766,907	1,531,581				
34		100 RPG Total	43,456,173		31,954,601	5,438,795	3,821,608				
35 36	1	310 RES. CAREERS	N 3,854,958		1,974,376	956,425	0				
36			Y 1,071,122		1,096,974	354,993	355,297				
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11	Research Projects	100 RPG	N		164,460,560	129,899,806		36,110				
12			Y	48,546,430	47,193,834	43,189,531	38,728,056	25,776,331	145			
13		100 RPG Total		248,636,866	211,654,394		85,388,213	25,812,441	674			
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17	Research Projects Total			240,030,000	211,054,394	113,201,123	85,388,213	25,812,441	680			
18	SBIR-STTR	100 RPG	Y	2,331,116	2,037,296	0	0	0	15			
19	obiit of fit.	100 RPG Total		2,331,116	2,037,296	0		0	15			
20		190 SB GRANTS	N		_,,				13			
21			Y	4,710,795	3,581,229	1,091,142		0	23			
22		190 SB GRANTS Total		8,579,012	3,581,229	1,091,142	0	0	36			
23	SBIR-STTR Total			10,910,128	5,618,525	1,091,142	0	0	51			
24 25	Research Centers	100 RPG	N	2,872,067					4			
20		100 RPG Total	P.	2,872,067					4			
20		210 CENTERS SPEC/COMP	N		18,145,081	9,732,550	5,846,769	1,642,995		-		
28			Ŷ		9,850,454	9,568,846		9,382,222				
29		210 CENTERS SPEC/COMP Total		35,000,000	27,995,535	19,301,396	15,114,736	11,025,217	42			
30	Research Centers Total			37,872,067	27,995,535	19,301,396	15,114,736	11,025,217	46			
31												
32	Other Research Related	100 RPG	N		32,581,240	30,165,299		2,290,027	96			
33 34		400 DDC Total	Y		1,816,720	1,789,302		1,531,581	57			
35		100 RPG Total 310 RES. CAREERS	N	43,456,173 3,854,958	34,397,960 3,107,505	31,954,601 1,974,376	5,438,795 956,425	3,821,608	153 37			
36		STORES, GARLENS	Y		1,092,345	1,096,974	354,993	355,297				
37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297				
38	Other Research Related Total			48,382,253	38,597,810	35,025,951	6,750,213	4,176,905	200		-	
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QVR users may want to add, delete or change a record in the raw data and have that recalculated in the Standard Report PivotTables. This section shows the process step by step.

In the following example, the user deletes two records from the Standard Report PivotTable.

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10	Mechanism 🗾 💌	Submechanism 💌	Comp 🔻	Awd Tot \$	Comm FY+1	Comm FY+2	Comm FY+3	Comm FY+4				
	Research Projects	100 RPG	N	200,090,436	164,460,560	129,899,806	46,660,157	36,110				
12			Y	48,546,430	47,193,834	43,189,531	38,728,056	25,776,331				
13		100 RPG Total		248,636,866	211,654,394	173,089,337	85,388,213	25,812,441				
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16 17	Research Projects Total			248,636,866	211,654,394	173,207,123	85,388,213	25,812,441				
17	SBIR-STTR	100 RPG	v	2,331,116	2,037,296	0	0	0	Num			
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21			Y	4,710,795	3,581,229	1,091,142	0	0	Admin IC			
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25	Research Centers	100 RPG Selo	ect !	2,872,067					Project			
26		100 RPG Total		2,872,067								
27		210 CENTERS SPEC/CO	N	25,391,005	18,145,081	9,732,550	5,846,769	1,642,995	🔤 📄 Reimb CAN			
28 29		210 CENTERS SPF JMP Total	Y	9,608,995 35,000,000	9,850,454 27,995,535	9,568,846 19,301,396	9,267,967 15,114,736	9,382,222 11,025,217	Awd Tot \$(by CAN) 🔽		
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32	Other Research Related	100 RPG	N	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027	Add To Row Area	-		
33		1 🥖	Y	2,182,737	1,816,720	1,789,302	1,766,907	1,531,581				
34		100 PG Total		43,456,173	34,397,960	31,954,601	5,438,795	3,821,608				
34 35 36		2 J RES. CAREERS	N	3,854,958	3,107,505	1,974,376	956,425	0				
36			Y	1,071,122	1,092,345	1,096,974	354,993	355,297				
37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297				
00	Other Research Related Total			48,382,253	38,597,810	35,025,951	6,750,213	4,176,905		_		
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3	1	Other Research Related		ES		K22	ES011031-01	8420865		108,000				
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10	8	Training, Individual	410 INDIV NRSA	_5	1	F32	ES011245-01	8423865	N	0				
11	9	Research Projects	100 RPG	ES	1	R01	ES011288-01	8420864	N	317,486				
12	10	Research Centers	210 CENTERS SPEC/COMP	ES	2	P30	ES005705-11	8423862	N	377,500				
13	11	Research Projects	100 RPG	ES	1	R01	ES011305-01	8420815	N	236,286				
14	12	Research Projects	100 RPG	ES	1	R01	ES011295-01	8420864	N	284,000				
15	13	Research Projects	100 P. G	ES	1	R01	ES011297-01	8420815	N	334,125				
16	14	Research Projects 🦯	100 RPC	ES		R01	ES011294-01	8420832	N	267,499				
17	15	Research Centers 🦰	210 CENTERS SPEC/COMP	ES		P30	ES009106-05	8423861	N	1,431,228				
18	16	Other Research Related	310 RES. CAREERS	ES		K08	ES011302-01	8420865	N	127,508				
19	17		210 CENTERS SPEC/COMP	ES		P30	ES006096-11	8423861		1,469,304				
20	18	Other Research Related	100 RPG	HL		R13	HL069204-01	8420864		5,000				
21	19	Research Projects	100 RPG	ES		R01	ES011331-01	8420864		264,639				
22	20		210 CENTERS SPEC/COMP	ES		P30	ES005707-11	8423861		1,436,512				
23	21	Research Projects	100 RPG	ES		R01	ES011317-01	8420832		338,590				
24	22		100 RPG	ES		R01	ES009558-05A	1 8420864	N	326,000				
25	23		100 RPG	ES		R01	ES010553-01A			305,416				
26	24		100 RPG	ES		R01	ES011005-01A			151,000				
27	25		100 RPG	ES		R01	ES010859-01A			289,725				
28	26		100 RPG	ES		R01	ES007259-05A			300,000				
29	27		100 RPG	ES		R01	ES010922-01A			516,196				
30	28		100 RPG	ES		R01	ES011858-11A			530,033				
31	29		100 RPG	ES		R01	ES010975-01A			903,345				
32	30		100 RPG	ES		R01	ES007747-08	8420864		385,240				
33	31	Research Projects	100 RPG	ES		R01	ES011000-01A			344,459				
34	32	Other Research Related		CA		R13	CA094249-01	8420864		5,000				
35	33	Other Research Related		CA		R13	CA094247-01	8420864		3,000				
36	34		100 RPG	ES		R01	ES011831-01	8420864		240,250				
37	35	Research Projects	100 RPG	ES	2	R01	ES005823-10	8420864	N	298,000	▼			
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11	9		100 5	record				8420			317,486		
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13	11	Research Projects	RPG	ES	1	R01	ES011305-01	8420			236,286		
14	12	Research Projects	100 RPG	ES	1	R01	ES011295-01	8420	864 1	N	284,000		
15	13		100 RPG	ES		R01	ES011297-01	8420	815 1	N	334,125		
16	14		100 RPG	ES	1	R01	ES011294-01	8420			267,499		
17	15		210 CENTERS SPEC/COMP	ES	-	P30	ES009106-05	8423			1,431,228		
18	16	Other Research Related		ES		K08	ES011302-01	8420			127,508		
19	17	Research Centers	210 CENTERS SPEC/COMP	ES		P30	ES006096-11	8423			1,469,304		
20	18	Other Research Related		HL		R13	HL069204-01	8420		N	5,000		
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22	20		210 CENTERS SPEC/COMP 100 RPG	ES ES		P30 R01	ES005707-11 ES011317-01	8422			Mada	—	
23	21		100 RPG	ES		R01	ES009558-05A1	842			Note:	-	
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26	24		100 RPG	ES		R01	ES011005-01A1	842					
27	25		100 RPG	ES		R01	ES010859-01A1	842	to	select a	range of	records -	
28	26		100 RPG	ES		R01	ES007259-05A2	842					
29	27	•	100 RPG	ES		R01	ES010922-01A1	8420	852 JI	N	510,190		
30	28	Research Projects	100 RPG	ES	9	R01	ES011858-11A1	8420			530,033		
31	29	-	100 RPG	ES		R01	ES010975-01A1	8420			903,345		
32	30		100 RPG	ES		R01	ES007747-08	8420	864 1	N	385,240		
33	31	Research Projects	100 RPG	ES		R01	ES011000-01A1	8420			344,459		
34	32		100 RPG	CA		R13	CA094249-01	8420			5,000		
35	33	Other Research Related		CA		R13	CA094247-01	8420			3,000		
36	34	· · ·	100 RPG	ES		R01	ES011831-01	8420			240,250		
37 I∙ •	35	Research Projects	100 RPG	ES	2	R01	ES005823-10	8420	864 1	N	298,000	•	
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3	1	Other Research	310 RES. CAREERS	ES		K22	ES011031-01	842086		108,000				
4	2	Other Research Re	RES CAREERS	ES	1	K22	ES011027-01	842086	5 N	103,828				
5	3	Other Resea		ES		K22	ES011033-01	842086	5 N	76,800				
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7	5	Research Pr 1)	CHCK Eur	ES	1	R15	ES011141-01	842542	1 N	142,000				
8	6	Research Pi 2)	Click "delete"	ES		R01	ES004176-13	842086	4 N	218,250				
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10	8	Training, Indiv.		ES		F32	ES011245-01	842386	5 N	0				
11	9	Research Projects	100 RPG	ES	1	R01	ES011288-01	842086	4 N	317,486				
12	10	Research Centers	210 CENTERS SPEC/COMP	ES	2	P30	ES005705-11	842386	2 N	377,500				
13	11	Research Projects	100 RPG	ES		R01	ES011305-01	842081	5 N	236,286				
14	12	Research Projects	100 RPG	ES	1	R01	ES011295-01	842086	4 N	284,000				
15	13	Research Projects	100 RPG	ES	1	R01	ES011297-01	842081	5 N	334,125				
16	14	Research Projects	100 RPG	ES	1	R01	ES011294-01	842083	2 N	267,499				
17	15	Research Centers	210 CENTERS SPEC/COMP	ES	2	P30	ES009106-05	842386	1 N	1,431,228				
18	16	Other Research Related	310 RES. CAREERS	ES	1	K08	ES011302-01	842086	5 N	127,508				
19	17	Research Centers	210 CENTERS SPEC/COMP	ES	2	P30	ES006096-11	842386	1 N	1,469,304				
20	18	Other Research Related	100 RPG	HL	1	R13	HL069204-01	842086	4 N	5,000				
21	19	Research Projects	100 RPG	ES	1	R01	ES011331-01	842086	4 N	264,639				
22	20		210 CENTERS SPEC/COMP	ES	2	P30	ES005707-11	842386	1 N	1,436,512				
23	21	Research Projects	100 RPG	ES	1	R01	ES011317-01	842083	2 N	338,590				
24	22	Research Projects	100 RPG	ES	2	R01	ES009558-05A1	842086	4 N	326,000				
25	23	Research Projects	100 RPG	ES	1	R01	ES010553-01A2	842086	4 N	305,416				
26	24	Research Projects	100 RPG	ES	1	R01	ES011005-01A1	842081	5 N	151,000				
27	25	Research Projects	100 RPG	ES	1	R01	ES010859-01A1	842086	4 N	289,725				
28	26	Research Projects	100 RPG	ES		R01	ES007259-05A2	842086	4 N	300,000				
29	27	Research Projects	100 RPG	ES	1	R01	ES010922-01A1	8420833	2 N	516,196				
30	28	Research Projects	100 RPG	ES	9	R01	ES011858-11A1	842086	4 N	530,033				
31	29	Research Projects	100 RPG	ES	1	R01	ES010975-01A1	842086	4 N	903,345				
32	30	Research Projects	100 RPG	ES	2	R01	ES007747-08	842086	4 N	385,240				
33	31	Research Projects	100 RPG	ES	1	R01	ES011000-01A1	842086	4 N	344,459				
34	32	Other Research Related	100 RPG	CA	1	R13	CA094249-01	842086	4 N	5,000				
35	33	Other Research Related	100 RPG	CA	1	R13	CA094247-01	842086	4 N	3,000				
36	34	Research Projects	100 RPG	ES	1	R01	ES011831-01	842086	4 N	240,250				
37	35	Research Projects	100 RPG	ES		R01	ES005823-10	842086		298,000	•			
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3	1	Other Research Related	310 RES. CAREERS	ES		K22	ES011031-01	8420865	N	108,000			
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5	3	Other Research Related		ES		K22	ES011033-01	8420865	N	76,800			
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7	5	Research Projects	100 RPG	ES		R15	ES011141-01	8425421	N	142,000			
8	6	Research Projects	100 RPG	ES		R01	ES004176-13	8420864	N	218,250			
9	7		210 CENTERS SPEC/COMP	ES		P20	ES011278-01	8423861		392,348			
10	8	Training, Individual	410 INDIV NRSA	ES		F32	ES011245-01	8423865	N	0			
11	9		100 RPG	ES		R01	ES011288-01	8420864		317,486			
12	10		210 CENTERS SPEC/COMP	ES		P30	ES005705-11	8423862	N	377,500			
13	11		100 RPG	ES		R01	ES011305-01	8420815		236,286			
14	12	Research Projects	100 RPG	ES		R01	ES011295-01	8420864		284,000			
15	13		100 RPG	ES		R01	ES011297-01	8420815		334,125			
16	14		100 RPG	ES		R01	ES011294-01	8420832	N	267,499			
17	16	Other Research Related	310 RES. CAREERS	ES	1	K08	ES011302-01	8420865	N	127,508			
18	18	Other Research Related		HL		R13	HL069204-01	8420864	N	5,000			
19	19	Research Projects	100 RPG	ES		R01	ES011331-01	8420864	N	264,639			
20	20		210 CENTERS SPEC/COMP	ES		P30	ES005707-11	8423861		1,436,512			
21	21	·	100 RPG	ES		R01	ES011317-01	8420832		338,590			
22	22	•	100 RPG	ES		R01	ES009558-05A1	8420864		326,000			
23	23	Research Projects	100 RF	ES		R01	ES010553-01A2	8420864		305,416			
24	24		100 RF Select	ES		R01	ES011005-01A1	8420815		151,000			
25	25	Research Projects	TUURI	ES		R01	ES010859-01A1	8420864		289,725			
26	26	Research Projects	100 RPS	ES		R01	ES007259-05A2	8420864		300,000			
27	27	Research Projects	100 RP	ES		R01	ES010922-01A1	8420832		516,196			
28	28	Research Projects	100 3	ES		R01	ES011858-11A1	8420864		530,033			
29	29	Research Projects	1 ⁷ RPG	ES		R01	ES010975-01A1	8420864		903,345			
30	30	Research Projects	JO RPG	ES		R01	ES007747-08	8420864		385,240			
31	31	Research Projects	100 RPG	ES		R01	ES011000-01A1	8420864		344,459			
32	32	Other Research Revided		CA		R13	CA094249-01	8420864		5,000			
33	33	Other Research Related		CA		R13	CA094247-01	8420864		3,000			
34	34		100 RPG	ES		R01	ES011831-01	8420864		240,250			
35	35		100 RPG	ES		R01	ES005823-10	8420864		298,000			
36	36		100 RPG	ES		R01	ES008146-04A1	8420864		390,927			
37	37		100 RPG	ES	2	R01	ES004738-11A2	8420864	N	293,518	_		
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11	Research Projects	100 RPG	N	200,090,436	164,460,560	129,899,806	46,660,157	36,110					
12			Y	48,546,430	47,193,834	43,189,531	38,728,056	25,776,331					
13		100 RPG Total		248,636,866	211,654,394		85,388,213	25,812,441			1		
14 15	-	(blank)	N	0	0	117,786	0	0	PivotTable Field List	▼ ×			
16	Research Projects Total	(blank) Total		0 248,636,866	0	117,786 173,207,123	0 85,388,213	0 25,812,441	 Drag items to the PivotTable 	; report			
17				240,030,000	211,034,354	113,201,123	03,300,213	23,012,441					
18	SBIR-STTR	100 RPG	Y	2,331,116	2,037,296	0	0	0	Num				
19		100 RPG Total		2,331,116	2,037,296	0	0	0	- Mechanism				
20		190 SB GRANTS	N	3,868,217	_,,				Submechanism	=			
21			Y	4,710,795	3,581,229	1,091,142	0	0	Admin IC				
22		190 SB GRANTS Total		8,579,012	3,581,229	1,091,142	0	0	Type				
23 24	SBIR-STTR Total			10,910,128	5,618,525	1,091,142	0	0	Acty				
24	Research Centers	100 RPG	N	2,872,067					Project				
26		100 RPG Total	14	2,872,067									
27	-	210 CENTERS SPEC/COMP	N	25,391,005	18,145,081	9,732,550	5,846,769	1,642,995					
28			Y	9,608,995	9,850,454	9,568,846	9,267,967	9,382,222	Reimb CAN				
29		210 CENTERS SPEC/COMP Total		35,000,000	27,995,535	19,301,396	15,114,736	11,025,217	Awd Tot \$(by CA)				
30	Research Centers Total			37,872,067	27,995,535	19,301,396	15,114,736	11,025,217	Comm Base FY +	1 🔛			
31 32	Other Decembral: Deleted	400 PDC		44,070,400	20,504,040	20.405.000	2 674 000	0.000.007	Add To Row Area	-			
32	Other Research Related	100 RPG	N	41,273,436	32,581,240	30,165,299	3,671,888 4,766,007	2,290,027					
34		100 RPG Total	Ŷ	2,182,737 43,456,173	1,816,720 34,397,960	1,789,302 31,954,601	1,766,907 5,438,795	1,531,581 3,821,608					
35	-	310 RES. CAREERS	N	3,854,958	3,107,505	1,974,376		0					
36			Y	1,071,122	1,092,345	1,096,974	354,993	355,297					
37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297					
	Other Research Related Total			48,382,253	38,597,810	35,025,951	6,750,213	4,176,905			•		
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	Mechanism 🔻	Submechanism 👻	Comp 🔻	Awd Tot \$	Comm FY+1	Comm EV+2	Comm FY+3	Comm E	deleted.			
11	Research Projects	100 RPG		200,090,436	164,460,560	129,899,806	46,660,157	36,	utititu.			
12	needen en rejecte		v	48,546,430	47,193,834	43,189,531	38,728,056	25,776,				
13	-	100 RPG Total		248,636,866	211,654,394	173,089,337	85,388,213	25 942	~			
14	4	(blank)	N		0	117,786	0		Grand Total is also			
15		(blank) Total		0	0	117,786	0					
16	Research Projects Total			248,636,866	211,654,394	173,207,123	85,388,213	25,812,	recalculated.			
17												
18	SBIR-STTR	100 RPG	Y	2,331,116	2,037,296	0	0	0	chanism			
19		100 RPG Total		2,331,116	2,037,296	0	0	0				
20		190 SB GRANTS	N	3,868,217					Submechanism			
21			Y	4,710,795	3,581,229	1,091,142	0	0	Admin IC			
22	1	190 SB GRANTS Total		8,579,012	3,581,229	1,091,142	0	0	Type			
23	SBIR-STTR Total			10,910,128	5,618,525	1,091,142	0	0	Acty			
24 25	Descent Contact	100 RPG		0.070.007					Project			
25	Research Centers		IN	2,872,067								
26		100 RPG Total 210 CENTERS SPEC/COMP	hl	2,872,067	40445.004	0 720 550	5 946 760	4 640 605				
28		210 CENTERS SPEC/COMP		6,708,463	6,945,072	6,653,778	6,382,285	6,476,998	N Reimh CAN			
29		210 CENTERS SPEC/COMP Total		32,099,468	25,090,153	16,386,328	12,229,054	8,119,993	Awd Tot \$(by CAN)			
30	Research Centers Total			34,971,535	25,090,153	16,386,328	12,229,054	8,119,993	Comm Base FY + 1			
31												
32	Other Research Related	100 RPG	N	41,273,436	32,581,240	30,165,299	3,671,888	2,290,027	Add To Row Area 🔻			
33			Y	2,182,737	1,816,720	1,789,302	1,766,907	1,531,581				
34		100 RPG Total		43,456,173	34,397,960	31,954,601	5,438,795	3,821,608				
35		310 RES. CAREERS	N	3,854,958	3,107,505	1,974,376	956,425	0				
36			Y	1,071,122	1,092,345	1,096,974	354,993	355,297				
37		310 RES. CAREERS Total		4,926,080	4,199,850	3,071,350	1,311,418	355,297				
38	Other Research Related Total			48,382,253	38,597,810	35,025,951	6,750,213	4,176,905	·			
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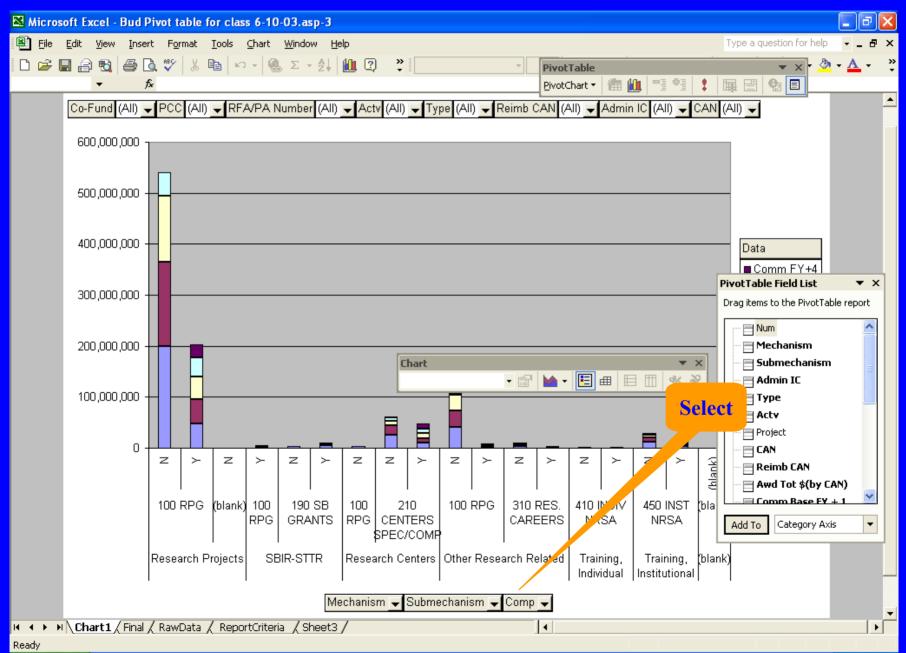
Creating Excel PivotChart

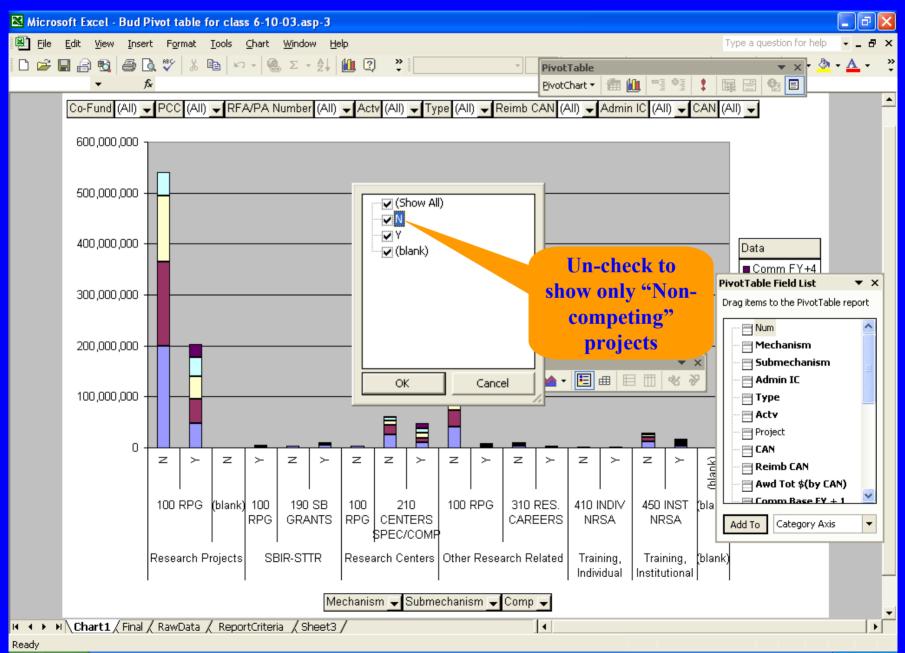
QVR users can display data from a Standard Report PivotTable as a PivotChart. This section shows the process step by step.

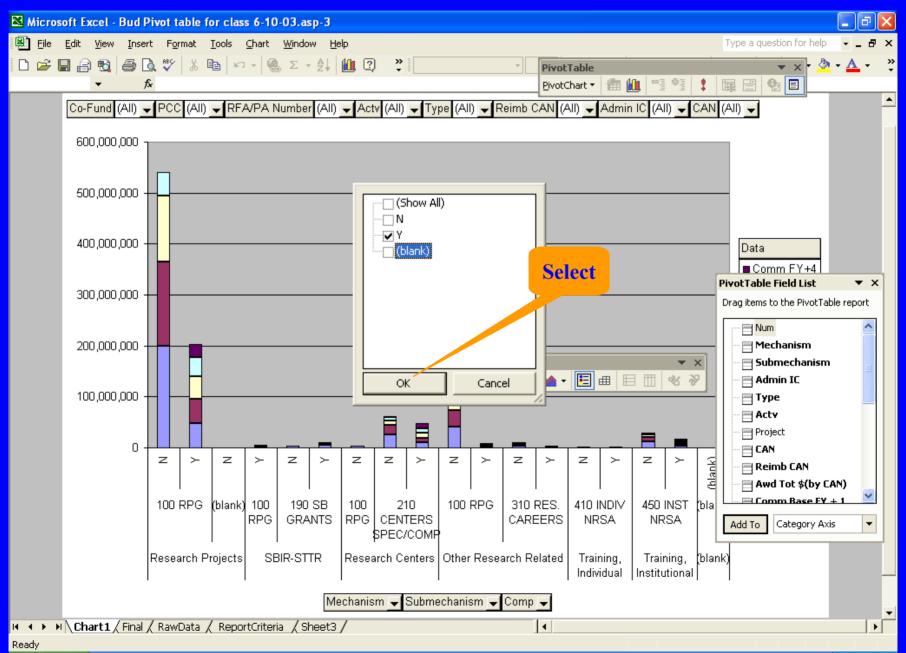
PivotCharts have many of the same data manipulation features found in PivotTables.

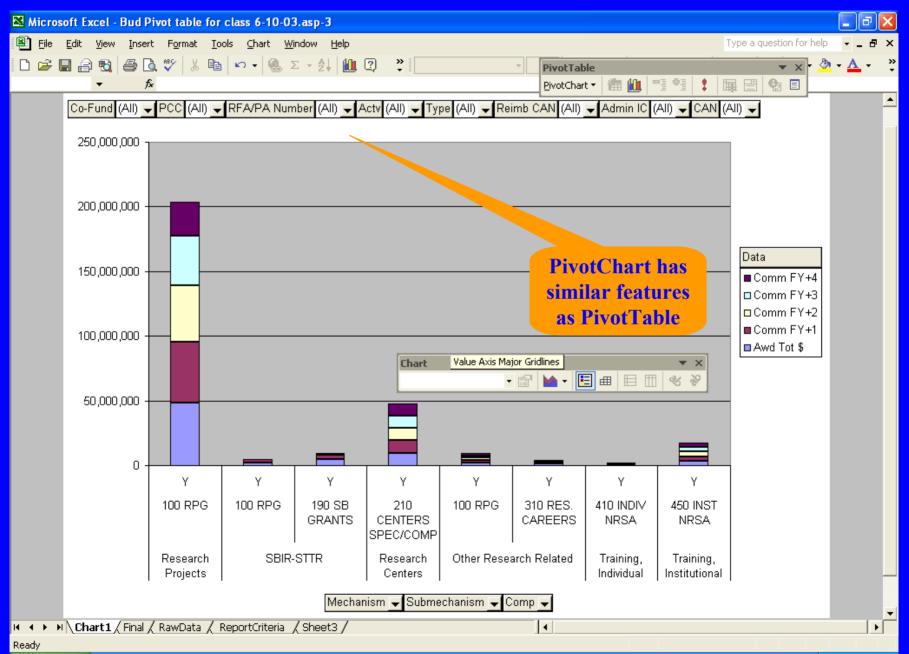
Creating Excel PivotChart

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