Multivalue Error Explained

The #MULTIVALUE error occurs when the relationship between an attribute and its parent data element are broken in a report.

For example: 'SOC Code' is an attribute of 'Position', if the data element 'SOC Code' is added without also adding the data element 'Position', the relationship between the two is not defined in the report and the measures don't have enough information to know how to recalculate.

In the example below notice the 'SOC Code' has been added to a report where the 'Position' was not present. After adding the new attribute the #REFRESH error is displayed in the new column.

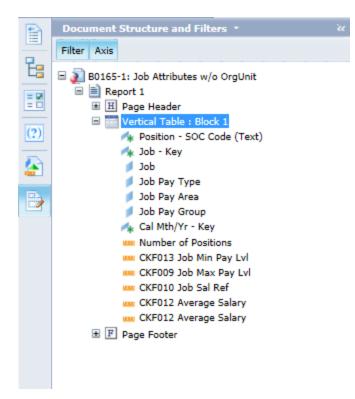
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M Position - Personnel Area (Key) #REFRESH 30000316 Accounting Clerk IV Graded Annual Salaries GR59 01/2015 95 M Position - Personnel Area (Key) #REFRESH 30000318 Accounting Clerk IV Graded Annual Salaries GR69 01/2015 95 M Position - Personnel Subarea (Key) #REFRESH 30000329 Accounting Clerk V Graded Annual Salaries GR61 01/2015 681 #REFRESH 30000325 Accounting Clerk: Supervisor V Graded Annual Salaries GR61 01/2015 1	Position - Personnel Area (Key) #REFRESH 3000036 Accounting Clerk IV Graded Annual Salaries GR59 01/2015 95 Position - Personnel Area (Text) #REFRESH 3000319 Accounting Clerk IV Graded Annual Salaries GR59 01/2015 081 02 Position - Personnel Subarea (Key) #REFRESH 3000325 Accounting Clerk V Graded Annual Salaries GR61 01/2015 081 02 Position - Personnel Subarea (Key) #REFRESH 3000325 Accounting Clerk Supervisor V Graded Annual Salaries GR61 01/2015 01 02 Position - Planning Statuk (Text) #REFRESH 3000325 Accountant Flat Rate Flat Rate FLATRATE 01/2015 1 02			#REFRESH	30000315	Accounting Clerk III	Graded	Annual Salaries	GR57	01/2015	12	1
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After refreshing the report notice many of the rows display a #MULTIVALUE error message.

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Job Pay Type	Job Pay Area	Job Pay Group	Cal Mth/Yr	Number of Positions	Job Mir T svot	Max vel	Job Sal Ref	Average Salary
Flat Rate	Flat Rate	FLATRATE	01/2015		20,000	50,000	0	47,830.6
Graded	Judicial	JB18	01/2015	1	41,055	4,875	52,965	53,63
Banded	Career Banding	31000025	01/2015	#M WALUE	#MULTIVALUE	#MULT LUE	#MULTIVALUE	#MULTIVALU
Graded	Annual Salaries	GR57	01/2015	# LTIVALUE	#MULTIVALUE	#MULT _UE	#MULTIVALUE	#MULTIVALU
Graded	Annual Salaries	GR59	01/2015	# JLTIVALUE	#MULTIVALUE	#MULT LUE	#MULTIVALUE	#MULTIVALU
Graded	Annual Salaries	GR61	01/2015	# LTIVALUE	#MULTIVALUE	#MUI ALUE	#MULTIVALUE	#MULTIVALU
Graded	Annual Salaries	GR54	01/2015	#N TIVALUE	#MULTIVALUE	#) TIVALUE	#MULTIVALUE	#MULTIVALU
Graded	Annual Salaries	GR61	01/2015	1	28,875	43,422	36,148	43,20

The #MULTIVALUE error is letting you know that there are multiple values within that measure but you have not provided enough detail in the rows to split the values correctly. This does not occur on all rows because in some cases there is no additional detail needed. If you look closely at the screen shot above, you will notice that the 'Number of Positions' column in some rows is 1. This would have been true even before the last refresh was executed. In other words there is no more detail for those measures no matter how many additional data elements you add to the report.

The easiest way to determine what data element needs to be added to generate the right level of detail is to evaluate the Document Structure and Filters tab and see what the attribute you just added was related to. In this case we see the SOC Code was an attribute of Position because of the way it is listed 'Position – SOC Code (Text).



If we add data element 'Position' our #MULTIVALUE error will go away.

File Properties	Report Elements For	rmatting Data Acces	Analysis	Page Setup						I	Reading • Design
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The data element 'Position is required to be able to access any of it's attribute		<u>B0165-1:</u>)	Job Attrik	outes w/o (<u>OrgUnit</u>		Now the mea displaying co		、 、		
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Position - SOC Code (Text)	Position	Job	Job Desc	Job Pay Type	Job Pay Area	Job Pay Group	Cal Mth/Yr	Number of Positions	Job Min Pay Level	Job Max Pay Level	Job Sal Ref
Position - SOC Code (Text) ACCOUNTANTS AND AUDITC		Job 30005459	Job Desc Accountant	Job Pay Type Flat Rate	Job Pay Area Flat Rate	Job Pay Group	Cal Mth/Yr 01/2015	of			
	Accountant							of	Pay Level 20,000	Pay Level	Ref
ACCOUNTANTS AND AUDITC	Accountant Accountant	30005459	Accountant	Flat Rate	Flat Rate	FLATRATE	01/2015	of Positions	Pay Level 20,000 41,055	Pay Level 350,000	Ref
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ACCOUNTANTS AND AUDITC ACCOUNTANTS AND AUDITC ACCOUNTANTS AND AUDITC ACCOUNTANTS AND AUDITC	Accountant Accountant Accountant Accountant Accountant	30005459 30012947 31000025 31000025	Accountant Accountant Accountant Accountant	Flat Rate Graded Banded Banded	Flat Rate Judicial Career Banding Career Banding	FLATRATE JB18 31000025 31000025 31000025	01/2015 01/2015 01/2015 01/2015 01/2015	of Positions 1 1 1 1 1	Pay Level 20,000 41,055 37,012 37,012	Pay Level 350,000 64,875 96,811 96,811	Ref 52,96 59,34 59,34