



Querying Minds Want
to Know

November QDUG Meeting

November 4th, 2009

Topics

- Address by rule: How it works and the DB References
- Example of Dashboards
- Example of Letter Generation

Next Meeting

The next meeting to be held on January 21st, 2009 in PSU 313 Parliamentary room, we will be reviewing recently created data blocks, Argos Scheduling and Argos API capabilities.

Address by rule View (**BEARDATA.ADDRESS_BY_RULE_MV**)

Addresses are put in the address by rule view with hierarchy for each address type attached to a rule. The rules work like this, if the student has an active MA address type this is the address that will be used in the query, if they do not have an active current address type the rule searches for the second address type of PR. If the student does not have an active MA address type but does have an active PR address type this is the address that will be used for this student in the query, if the student does not have an active address type for MA or PR, then the query looks for the RH address type. **If a student does not have any of these address types they will not show on the query.**

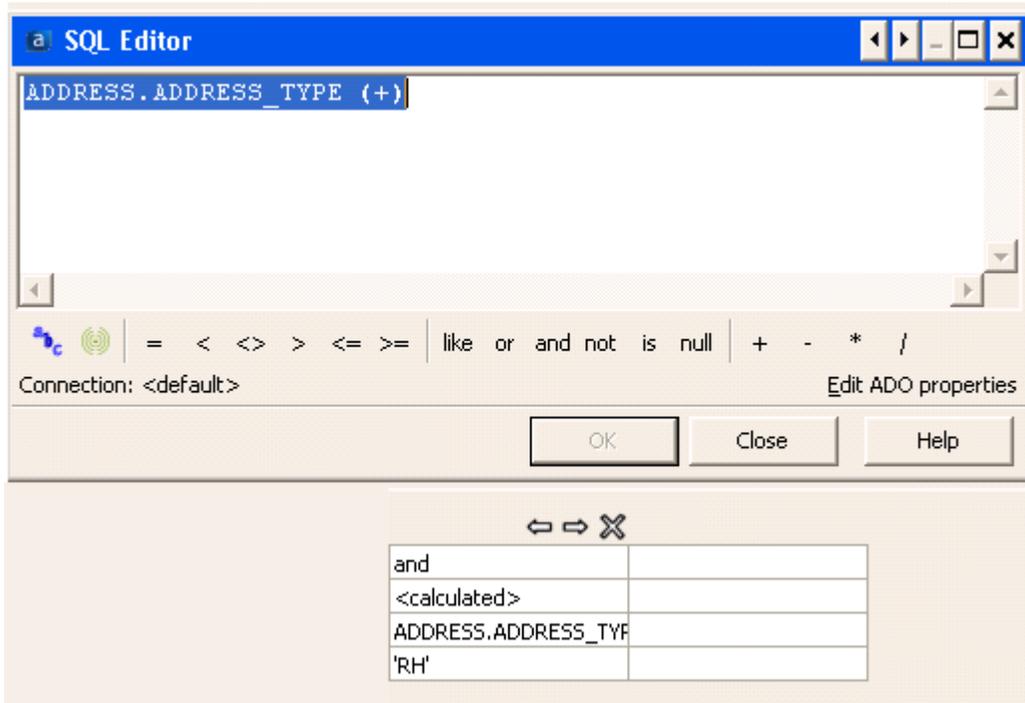
When using the hierarchy rules for addresses. There is a new view available called **BEARDATA.ADDRESS_BY_RULE_MV**. This view will allow users to filter address by a hierarchy describe by the rule associated. For student address the most common rule is **STUDIRADDR**. This rule searches for student address in the following order

1. RH- Residence Hall Address
2. MA - Current Mailing Address
3. PR- Primary/Permanent Mailing Address

All of the address rule and the hierarchy associated with them can be view in Argos under a folder called DB References. The ODS rules are in the data block, ODS Address Rules. The PROD address rules are in the data block, PROD address Rules.

Outer Joining in the where clause - Situation - If you have a list of students and what to show only a certain type of Address, and some student may not have that type of Address, but you still want to list them on the report. You can outer join in the where clause. Do this in the GUI, make a calculated field and add in the field that you want to filter in this instance Address_type

and add a (+) to the end. This will left outer join this field to your query. It will look like the picture below.

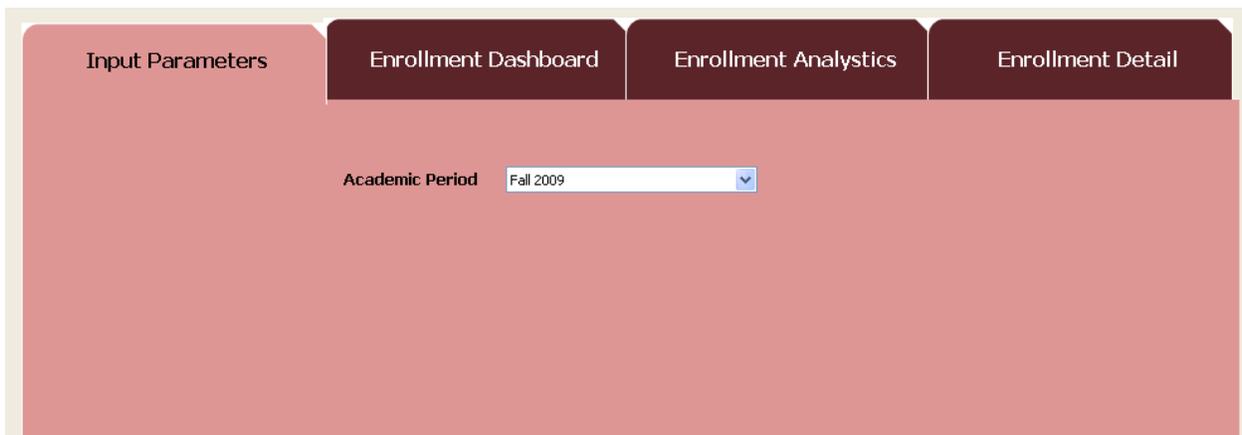


This will allow all students to be shown on the list but will give you the addresses of student with the Address Type specified.

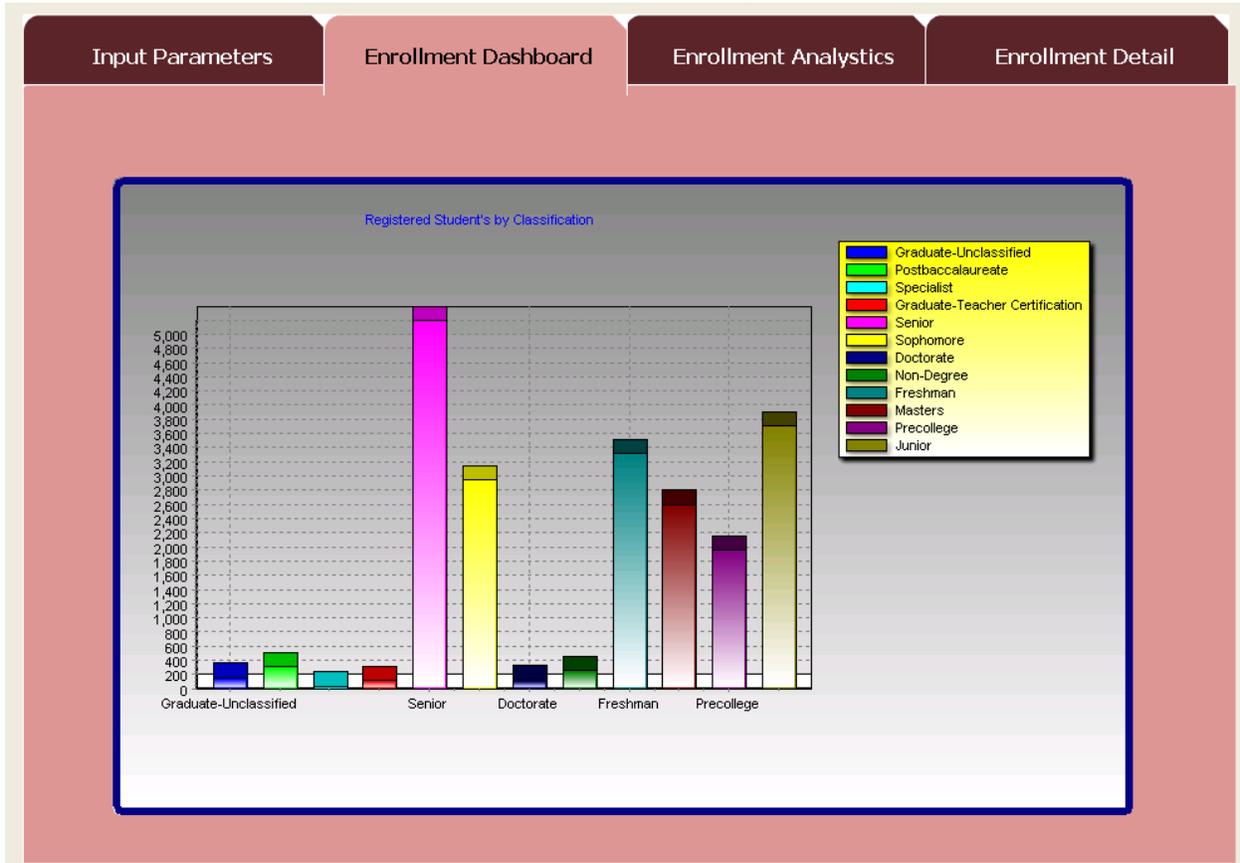
Dashboards

Dashboard can be great resources for administration and deans. In one data block you can show many different aspects of a theme. The example shown during the meeting today took the Student Enrollment cube available in the Campus-wide Student folder under the student folder and broke it up using cubes and charts. Screen shots of the student enrollment dashboard example are below.

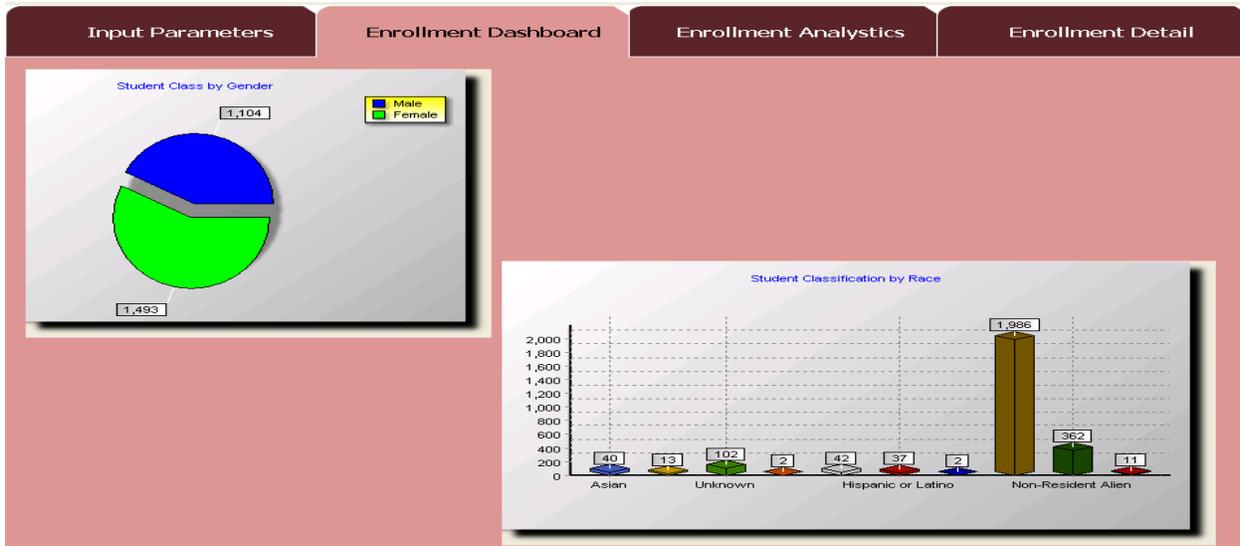
The first screen shot is of the input parameter form. I select the fall 2008 term.



The second screen shot is of the Enrollment breakdown by student classification.



The third screen shot further breaks down the select student classification (selection made by clicking of the column in the chart in this instance I choose Freshman) in to gender and race



The fourth screen shot shows tab 3 (Enrollment Analytics) this is an example of a cube. Users can select the filters for each row or column and get a detailed breakdown of the overall data dependant of these filters. The cube is very user friendly and customizable.

View Enrollment Analytics

Available Dimensions: MAJOR_DESC, PROGRAM_DE, GENDER_DES, Student_Popul, Current_Age, Race, PROGRAM_CL, CAMPUS, Geographic_Or, Type_Geo_Orig

Columns: ACADEMIC_PE, STUDENT_CLA

			Fall 2009					
COLLEGE_DES	DEPARTMENT	STUDENT_CLASS_BOAP_DESC	Freshman	Graduate	Junior	Senior	Sophomore	Sub-t
STUDENT_LEV	COLLEGE_DESC	DEPARTMENT_DESC	TOTAL_CREDITS	TOTAL_CREDITS	TOTAL_CREDITS	TOTAL_CREDITS	TOTAL_CREDITS	TOTAL_CREDITS
Arts & Letters	[Null]	Graduate	0	0	0	0	0	0
	Accountancy, Sch...	Undergraduate	0	0	0	0	0	0
		Sub-total by Accountancy, School of	0	0	0	0	0	0
	Agriculture		0	0	0	0	0	0
	Art and Design		1719	9	1236	2558	1351	
	Biology		0	0	0	0	0	0
	Biomedical Sciences		0	0	0	0	0	0
	Business Administration/MBA		0	0	0	0	0	0
	Chemistry		0	0	0	0	0	0
	Childhood Ed & Family Studies		0	0	0	0	0	0
	Communication		573	397	1155	1275	840	
	Communication Sci & Disorders		0	0	0	0	0	0
	Computer Information Systems		0	0	0	0	0	0
	Computer Science		0	0	0	0	0	0
	Counslg, Leadrshp, & Spec Educ		0	0	0	0	0	0
Total by COLUMNS			55216	24824	48850	64522	40214	

Measures: TOTAL CREDI

The fourth and final tab gives the detailed raw data used to build the cube using the multicolumn list box control.

View Enrollment Detail

ID	REGISTERE...	ACADEMIC...	TOTAL_CR...	COLLEGE	COLLEGE...	DEPARTMENT	DEPARTME...	MAJOR	MAJOR_DESC	PROGRAM	PR
M01051472	Y	Fall 2009	8	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051474	Y	Fall 2009	4	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051486	Y	Fall 2009	7	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051488	Y	Fall 2009	8	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051498	Y	Fall 2009	7	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051670	Y	Fall 2009	3	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051720	Y	Fall 2009	1	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051758	Y	Fall 2009	4	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051796	Y	Fall 2009	3	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051844	Y	Fall 2009	3	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051856	Y	Fall 2009	4	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051910	Y	Fall 2009	4	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051928	Y	Fall 2009	4	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051938	Y	Fall 2009	4	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051944	Y	Fall 2009	1	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051964	Y	Fall 2009	3	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051976	Y	Fall 2009	6	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01051980	Y	Fall 2009	8	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052094	Y	Fall 2009	10	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052124	Y	Fall 2009	4	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052264	Y	Fall 2009	4	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052280	Y	Fall 2009	6	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052314	Y	Fall 2009	3	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052344	Y	Fall 2009	9	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052410	Y	Fall 2009	8	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052444	Y	Fall 2009	4	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052616	Y	Fall 2009	2	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052724	Y	Fall 2009	2	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052734	Y	Fall 2009	10	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052748	Y	Fall 2009	6	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052766	Y	Fall 2009	9	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01052862	Y	Fall 2009	5	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01053044	Y	Fall 2009	8	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01053092	Y	Fall 2009	3	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01053096	Y	Fall 2009	3	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	
M01053116	Y	Fall 2009	3	CE	Extended C...	CE	Extended C...	CEPC	Precollege/...	CEPC-NODG	

Letter Generation

Lastly we discussed the use of the RTF control available in Argos. This tool behaves a lot like the word mail merge control in that you can use the data fields from your query along with cut and paste capabilities for written text. Letters can be used in all of the modules and your MIS analyst can help with even updating banner table GORMAL. An example of a generated letter is below.



11/30/2009

Hawkins, Ross J.
Transfer Advisor
Advisement Center
UNVH 109
Springfield, MO 65897

Below is a list of your advisee for the Fall 2009 academic term.

M00504364	Addison, Bray G.	Undeclared	Freshman
M00718160	Anderson, Sean T.	Undeclared	Freshman
M00503860	Bremer, Cassandra L.	Undeclared	Freshman
M00401224	Byrne, Kelsey J.	Undeclared	Freshman
M00498608	Choinka, Gerard J.	Undeclared	Freshman
M00495258	Clayton, Gregory J.	Undeclared	Freshman
M00687866	Crawford, Martin R.	Undeclared	Freshman
M00107382	Dai, Yuge	General	Freshman
M00568858	Dazey, Nathan H.	Undeclared	Freshman
M01041286	Dumell, Donnie L.	Undeclared	Freshman
M00504484	Felps, Ryan A.	Undeclared	Freshman
M00402430	Ford, Samantha M.	Undeclared	Freshman
M00501486	Fox, Diana J.	Undeclared	Freshman
M00061271	Franklyn, Amanda L.	Undeclared	Freshman
M00502392	Garrett, Lance S.	Undeclared	Freshman
M00503074	Garrett, Randyocia D.	Undeclared	Freshman
M00646274	Grayless, Trevor M.	Undeclared	Freshman
M00502850	Guthrie, Jacob E.	Undeclared	Freshman
M00495250	Henderson, Ali N.	Undeclared	Freshman
M00504678	Hisay, Kristen M.	Undeclared	Freshman
M00689134	Holt, Chelsea J.	Undeclared	Freshman
M00652674	Holtz, Riley P.	Undeclared	Freshman