



Actionable Intelligence: Improving Student Success

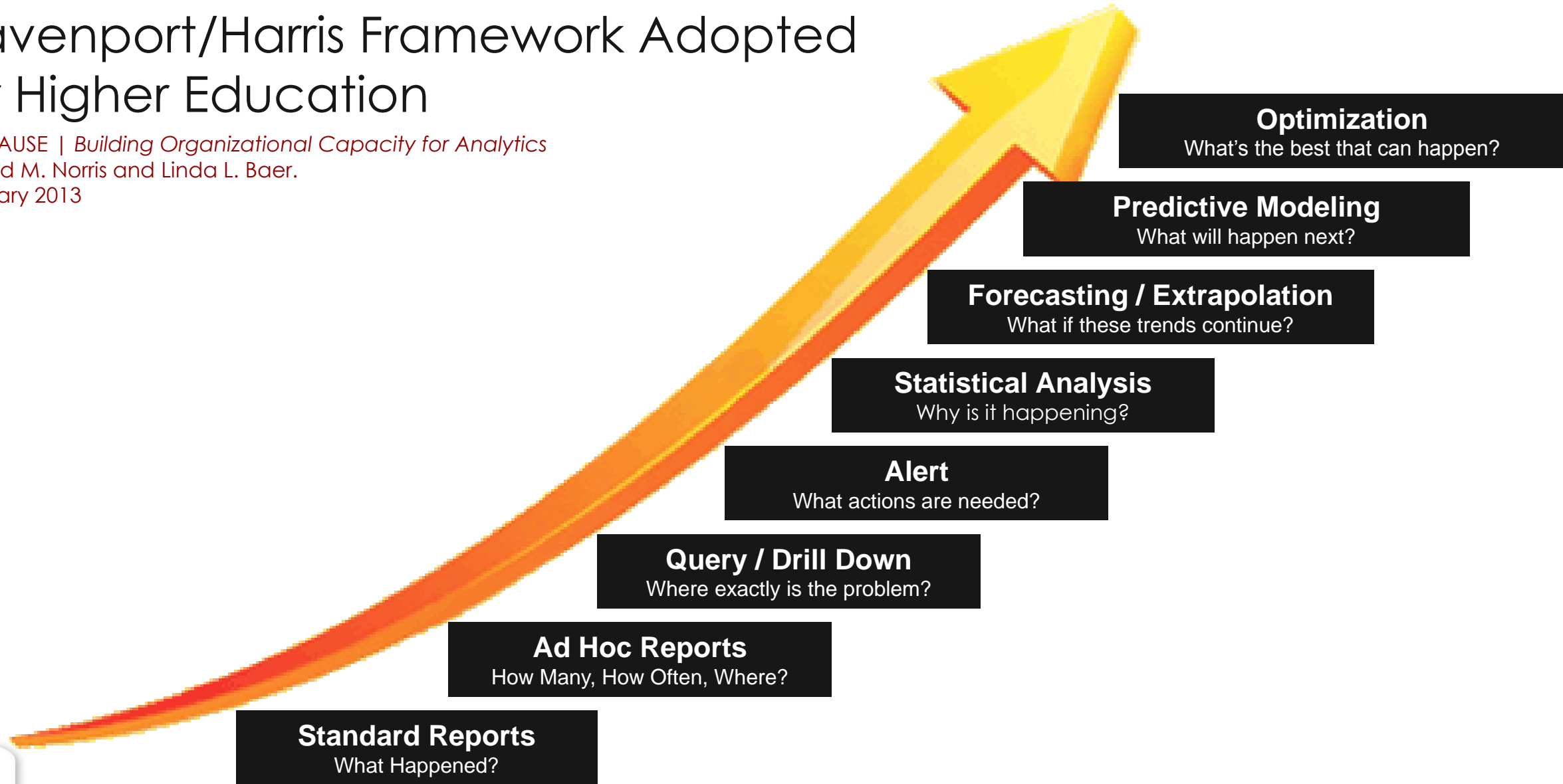
Strategic Goals

1. Improve retention, progression, and graduation rates
2. Improve student success with predictive analytics
3. Proactive intervention and early alerts
4. Improve faculty and staff communications
5. Flexibility and agility



Davenport/Harris Framework Adopted for Higher Education

EDUCAUSE | *Building Organizational Capacity for Analytics*
Donald M. Norris and Linda L. Baer.
February 2013

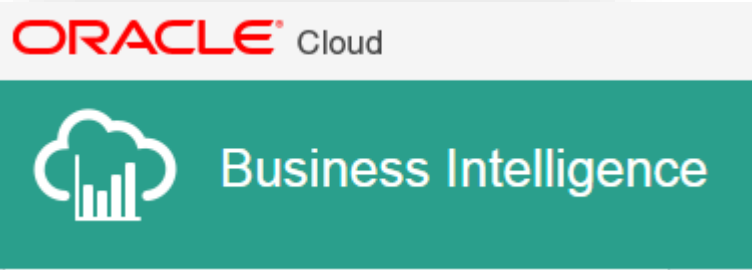
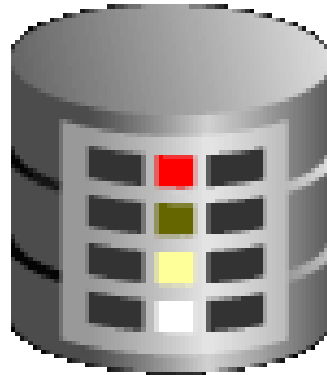


Valdosta State Current Business Intelligence Architecture

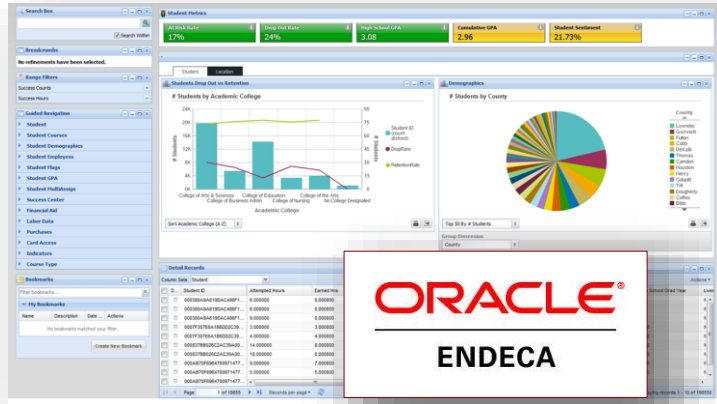


Custom Data Warehouse

ORACLE Application Express



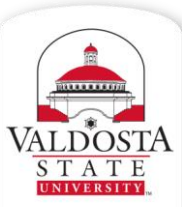
Oracle CRM On Demand
Get smarter. Get more productive.
Get the best value, period.



ORACLE
ENDECA

eloqua

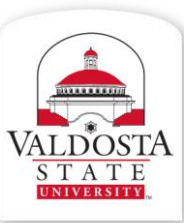
ORACLE
PEOPLESFT ENTERPRISE



ORACLE
DATA INTEGRATOR

Oracle BI Cloud Services (BICS)

- ▶ Improve information access for faculty and advisors
- ▶ Provide key reports and analysis
- ▶ Interactive class roster with photos and at-risk metrics
- ▶ Drag-n-Drop reporting
- ▶ Historical trends and patterns
- ▶ Oracle BI Cloud option



Previous Faculty Portal (2012-2015)

- ▶ Access to class roster and advisees
- ▶ Early alert for proactive intervention strategies
- ▶ Basic reports and data
- ▶ Provide online forms and customizations
- ▶ Data driven applications





Academic Affairs Faculty Portal

[Main](#)[Advisor](#)[Courses](#)[At-Risk](#)[Data Warehouse Tools](#)[Applications/Portals](#)

Contact Brian Haugabrook, Director of Data Warehouse, for any questions. Email: bahaugab@valdosta.edu, Phone: (229) 333-7447
You can also email the VSU Data Warehouse department (VSUDataWarehouse@valdosta.edu) for requests, issues, or suggestions.

Digital Measures (College of Education)



[Login to Digital Measures](#)

Note: The Digital Measures link will expire 09/17/2012 at 09:32 AM.
If this link expires, Refresh the page to get the current link.

Watch a short video on using Digital Measures [here](#).

DegreeWorks



[Login to DegreeWorks](#)

DegreeWorks is an advising tool to aid in advising with electronic checklists, what-if scenarios, GPA calculators, advising planner, and notes.

For more information and tutorials click [here](#).

FLC Portal



[Login to the FLC Portal](#)

Freshmen Learning Communities advising and faculty portal. Access to course and student information that are part of an FLC community.

For more information click [here](#).

First-Time Full-Time Freshman Portal



[Login to the FTFT Portal](#)

Provides information on all enrolled students part of a FTFT cohort. Highlights students marked at-risk in general, reading and math based courses. This includes new FTFT students and enrolled FTFT students from previous years.

Department Specific Applications



[COE Advising Scheduler](#)

[Nursing Advising Scheduler](#)

[OASIS Advising Scheduler](#)

[Student Success Center Scheduler](#)

[Social Work Information System \(SWIS\)](#)



Interactive Course Summary

Course

Select Term

Rows

VSU Faculty Portal

1 - 200 of 2465

Term Desc	Crn	Subject	Crse Numb	Course Section	Course Title	Students Enrolled	Seats Available	Instructors Email
Fall 2012	00000	ACCT	2101	A	Principles of Accounting I	84	0	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	2101	B	Principles of Accounting I	34	0	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	2101	C	Principles of Accounting I	35	3	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	2101	D	Principles of Accounting I	49	1	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	2101	E	Principles of Accounting I	44	4	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	2101	F	Principles of Accounting I	34	0	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	2101	G	Principles of Accounting I	35	3	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	2102	A	Principles of Accounting II	14	12	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	2102	B	Principles of Accounting II	30	8	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	2102	C	Principles of Accounting II	46	-1	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	2102	D	Principles of Accounting II	43	2	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	2102	E	Principles of Accounting II	36	-2	bahaugab@valdosta.edu
Fall 2012	00000	ACCT	3100	A	Intro to Fraud Examination	32	6	bahaugab@valdosta.edu

Class Roster that Highlights At-Risk Students

[Back to Course List](#)

Course ACCT 2101 A - Principles of Accounting I

Rows




At Risk General = 'Yes'

 At Risk Reading = 'Yes'

 At Risk Math = 'Yes'

VSU Faculty Portal

1 - 84 of 84

Student Photo	Last Name	First Name	Middle Name	Attendance/Course Progress	Email	At Risk General	At Risk Math	At Risk Reading	DegreeWorks
	Doe	J	Tanner	Attendance/Course Progress Flags	bahaugab@valdosta.edu	Yes	Yes	No	DegreeWorks
	Doe	J	Jahmeem	Attendance/Course Progress Flags	bahaugab@valdosta.edu	No	No	No	DegreeWorks
	Doe	J	Qamar	Attendance/Course Progress Flags	bahaugab@valdosta.edu	No	No	No	DegreeWorks

Automatic Alerts, Triggers, and Events

- ▶ Sends notification to the student's advisor and academic success center
- ▶ If the student lives on campus, a wellness check is automatically triggered through the housing office
- ▶ If the student is in an FLC, all other instructors are notified

[Return To List](#)

Edit Student Attendance

Course ACCT 2101 - Principles of Accounting I
Edit Name Jane Doe
Edit Status
Comments
Level 1: 1-2 Absences, No-Risk
Level 2: Multiple Absences, At-Risk
Level 3: Failing due to Absences
0 of 2000

[Update Attendance](#)

ATTENDANCE

Attendance in good standing

Edit Course Progress

Course ACCT 2101 - Principles of Accounting I
Edit Name Jane Doe
Course Status
Comments
0 of 2000


[Update Progress](#)

PROGRESS

Course progress in good standing

Student Progress in all Courses

Student

STUDENT_PHOTO	STUDENT_NAME	EMAIL_VSU	FULL_CUMULATIVE_GPA	ADVISOR_NAME	ADVISOR_EMAIL
	John Doe	bahauqab@valdosta.edu	-	Robert Smith	bahauqab@valdosta.edu

1 - 1


[Return To List](#)

Student Schedule

CRN	Course	Instructor Email	Attendance Status	Attendance Comments
80354	ENGL 1101 T - Composition I	jdoe@valdosta.edu	Level 2: Multiple Absences. At-Risk	Marlee has accrued three absences. We are in the process of setting up a meeting to discuss the matter.
80042	KSPE 1020 C - Weight Training	jdoe@valdosta.edu		
80643	VSU 1101 K - Keys to College Success	jdoe@valdosta.edu		
81056	PHIL 2010 B - Fundamentals of Philosophy	jdoe@valdosta.edu		
81213	HIST 2112 K - United States History Sn 1865	jdoe@valdosta.edu		





Custom Application Integrations



VALDOSTA STATE UNIVERSITY

Back to Self-Service
Course Attributes
Help
Print

Find

Worksheets | Planner | Notes | Petitions | Exceptions | GPA Calc | Admin

Worksheets > [Class History](#)

History

What If

Look Ahead

Financial Aid

Aid History

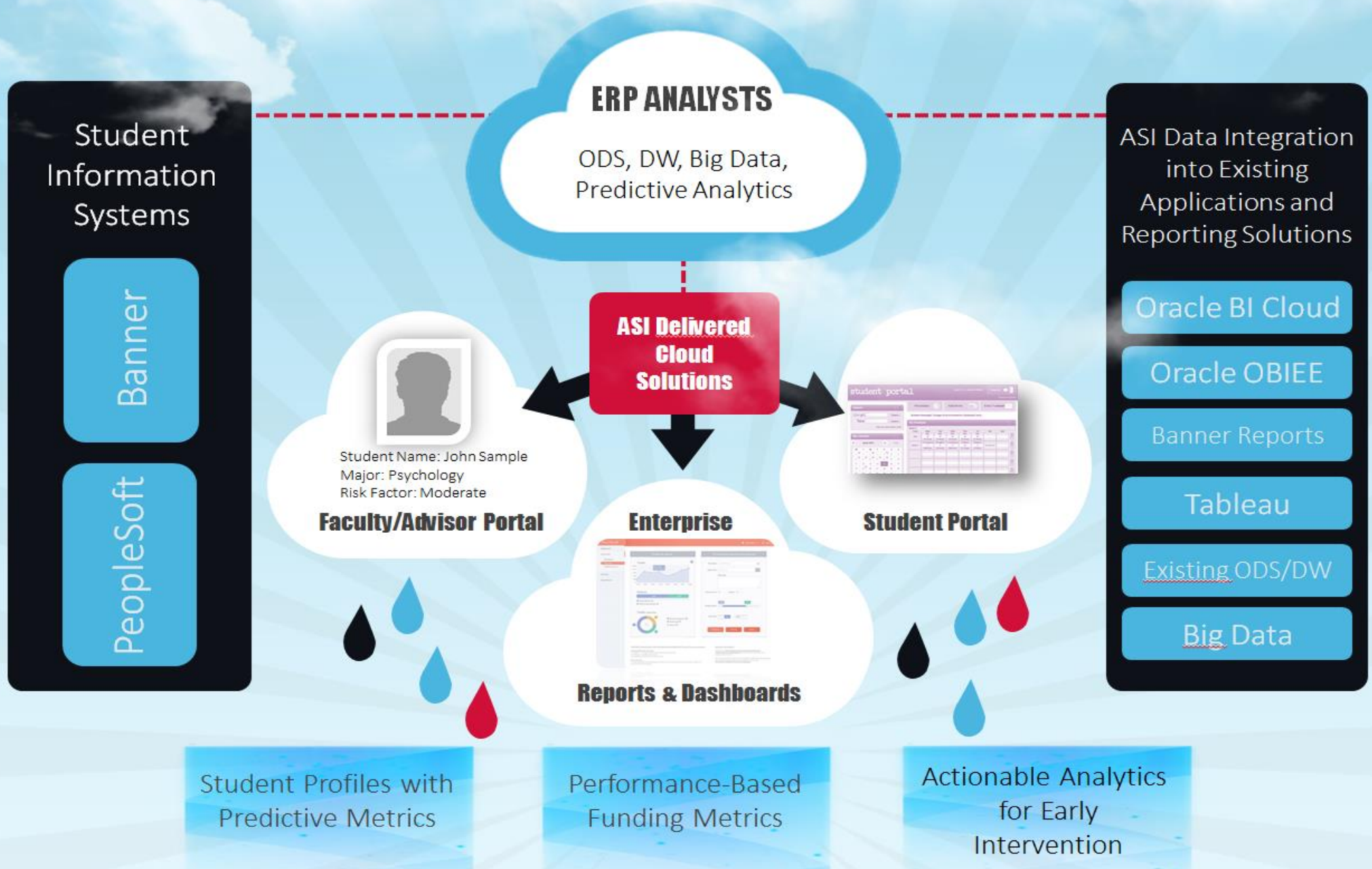
Athletic Eligibility

Athletic Eligibility History

Degree Progress

Requirements	Degree Progress																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #f0f0f0;">Student View</td> <td>AB171111 as of 08/20/2012 at 11:49</td> </tr> <tr> <td style="background-color: #f0f0f0;">Student</td> <td>Haugabrook, Brian Antonio</td> </tr> <tr> <td style="background-color: #f0f0f0;">ID</td> <td></td> </tr> <tr> <td style="background-color: #f0f0f0;">Classification</td> <td>Graduate</td> </tr> <tr> <td style="background-color: #f0f0f0;">Catalog</td> <td>Fall 2006</td> </tr> <tr> <td style="background-color: #f0f0f0;">Advisor</td> <td>Argyl</td> </tr> <tr> <td style="background-color: #f0f0f0;">F1FT Freshman</td> <td></td> </tr> </table>	Student View	AB171111 as of 08/20/2012 at 11:49	Student	Haugabrook, Brian Antonio	ID		Classification	Graduate	Catalog	Fall 2006	Advisor	Argyl	F1FT Freshman		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #f0f0f0;">Level</td> <td>Graduate-Semester</td> </tr> <tr> <td style="background-color: #f0f0f0;">Degree</td> <td>Master of Public Admin</td> </tr> <tr> <td style="background-color: #f0f0f0;">College</td> <td>College of Arts & Sciences</td> </tr> <tr> <td style="background-color: #f0f0f0;">Major</td> <td>Public Administration</td> </tr> <tr> <td style="background-color: #f0f0f0;">Minor</td> <td></td> </tr> <tr> <td style="background-color: #f0f0f0;">Prior Degrees</td> <td></td> </tr> </table>	Level	Graduate-Semester	Degree	Master of Public Admin	College	College of Arts & Sciences	Major	Public Administration	Minor		Prior Degrees	
Student View	AB171111 as of 08/20/2012 at 11:49																										
Student	Haugabrook, Brian Antonio																										
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Level	Graduate-Semester																										
Degree	Master of Public Admin																										
College	College of Arts & Sciences																										
Major	Public Administration																										
Minor																											
Prior Degrees																											
<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Current Holds Affecting Registration or Graduation <input checked="" type="checkbox"/> You have no holds. 																											
<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Master of Public Administration <input checked="" type="checkbox"/> Classified as a Regular Graduate Student <input checked="" type="checkbox"/> You meet the minimum GPA requirement <input checked="" type="checkbox"/> Degree Requirements 																											
<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Major in Public Administration-MPA 																											
<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Foundations Seminar in PA <input checked="" type="checkbox"/> Quantitative Methods for PA <input checked="" type="checkbox"/> Policy Analysis 	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">PADM 7300</td> <td style="width: 33%;">Foundation in MPA</td> </tr> <tr> <td>PADM 7060</td> <td>Quantitative Mthds for PADM</td> </tr> <tr> <td>PADM 7090</td> <td>Policy Analysis</td> </tr> </table>	PADM 7300	Foundation in MPA	PADM 7060	Quantitative Mthds for PADM	PADM 7090	Policy Analysis																				
PADM 7300	Foundation in MPA																										
PADM 7060	Quantitative Mthds for PADM																										
PADM 7090	Policy Analysis																										





Student Information Systems

Banner

PeopleSoft

ERP ANALYSTS
ODS, DW, Big Data, Predictive Analytics

ASI Delivered Cloud Solutions

Student Name: John Sample
Major: Psychology
Risk Factor: Moderate
Faculty/Advisor Portal

Enterprise
Reports & Dashboards

Student Portal

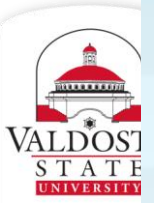
ASI Data Integration into Existing Applications and Reporting Solutions

- Oracle BI Cloud
- Oracle OBIEE
- Banner Reports
- Tableau
- Existing ODS/DW
- Big Data

Student Profiles with Predictive Metrics

Performance-Based Funding Metrics

Actionable Analytics for Early Intervention



ASI Faculty/Advisor Portal

- ▶ Rapid application development platform
- ▶ Access to all data stored in BICS or on premise
- ▶ Setup reports, jobs, and users
- ▶ Provide online forms and business applications
- ▶ Data driven mobile applications



Home

ASI Faculty Portal



Courses Taught
6



Flags Set
67



Credit Hours
225



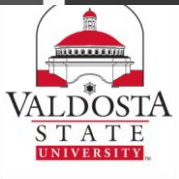
of At-Risk
35



Female to Male Ratio
10:1



Average GPA
3.26



Interactive Course Summary

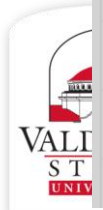


Term

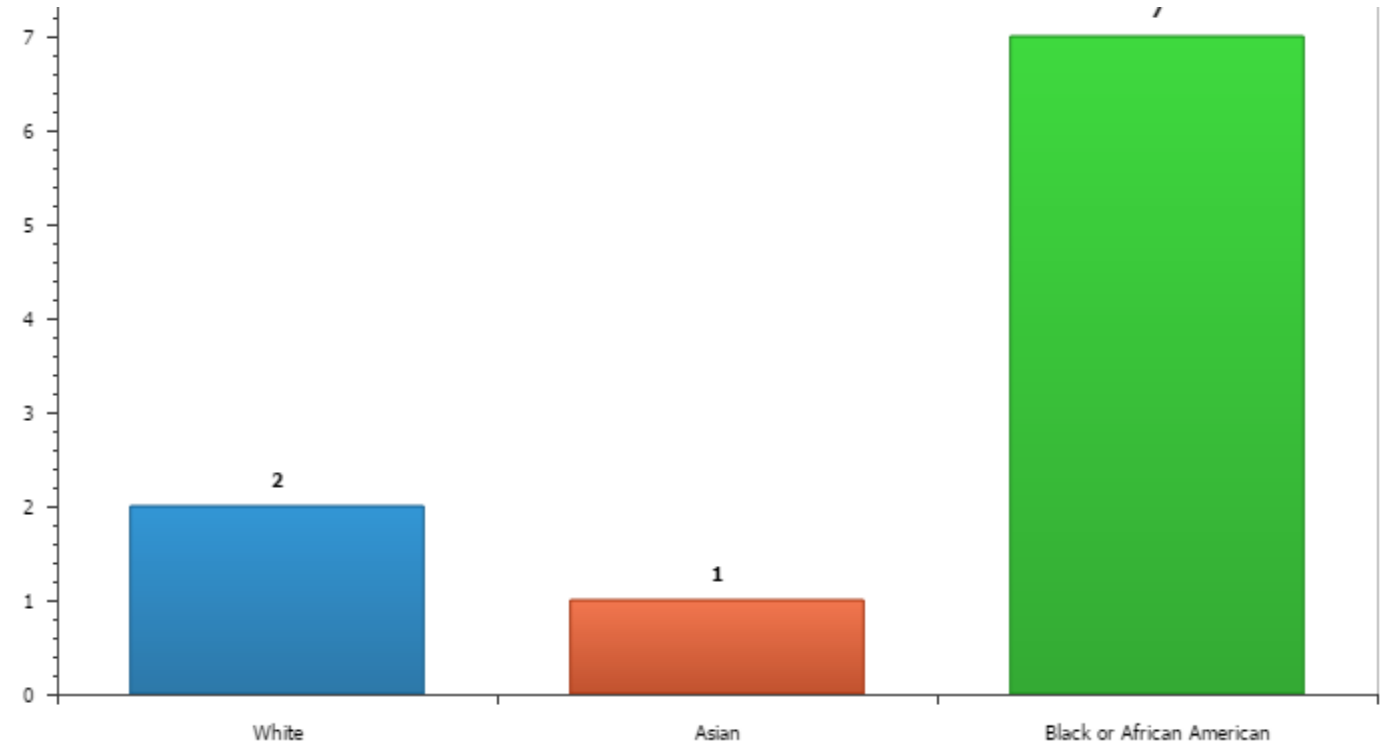
ASI Faculty Portal

Course	Students	Course Statistics	Student Demographics	Students Enrolled	Seats Available	Instructor
ACCT 2099 B - Accounting for Entrepreneurs	View Students	View Course Statistics	View Student Demographics	10	24	instructor@university.edu
ACCT 2101 A - Principles of Accounting I	View Students	View Course Statistics	View Student Demographics	137	180	instructor@university.edu
ACCT 2101 B - Principles of Accounting I	View Students	View Course Statistics	View Student Demographics	38	42	instructor@university.edu
ACCT 2101 C - Principles of Accounting I	View Students	View Course Statistics	View Student Demographics	72	42	instructor@university.edu ; instructor
ACCT 2101 D - Principles of Accounting I	View Students	View Course Statistics	View Student Demographics	64	42	instructor@university.edu ; instructor
ACCT 2101 IA - Principles of Accounting I	View Students	View Course Statistics	View Student Demographics	38	40	instructor@university.edu
ACCT 2102 A - Principles of Accounting II	View Students	View Course Statistics	View Student Demographics	33	48	instructor@university.edu
ACCT 2102 B - Principles of Accounting II	View Students	View Course Statistics	View Student Demographics	116	130	instructor@university.edu

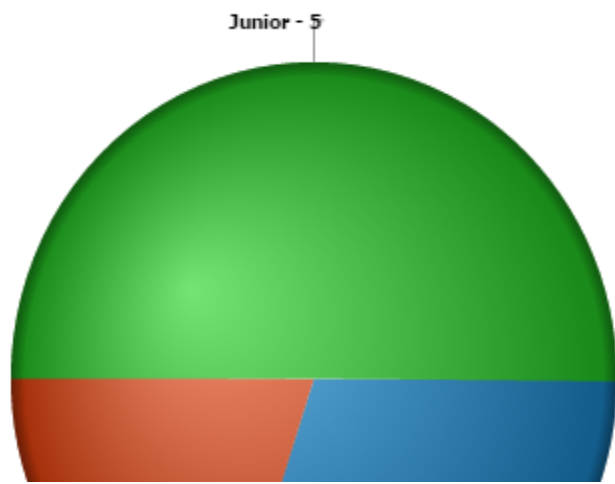




Course
ACCT 2099 B - Accounting for Entrepreneurs
ACCT 2101 A - Principles of Accounting I
ACCT 2101 B - Principles of Accounting I
ACCT 2101 C - Principles of Accounting I
ACCT 2101 D - Principles of Accounting I
ACCT 2101 IA - Principles of Accounting I
ACCT 2102 A - Principles of Accounting II
ACCT 2102 B - Principles of Accounting II
ACCT 2102 C - Principles of Accounting II
ACCT 2102 IA - Principles of Accounting II
ACCT 3100 A - Intro to Fraud Examination
ACCT 3100 B - Intro to Fraud Examination
ACCT 3201 A - Intermediate Accounting I
ACCT 3201 B - Intermediate Accounting I
ACCT 3202 A - Intermediate Accounting II
ACCT 3203 A - Intermediate Accounting III



Student Classification



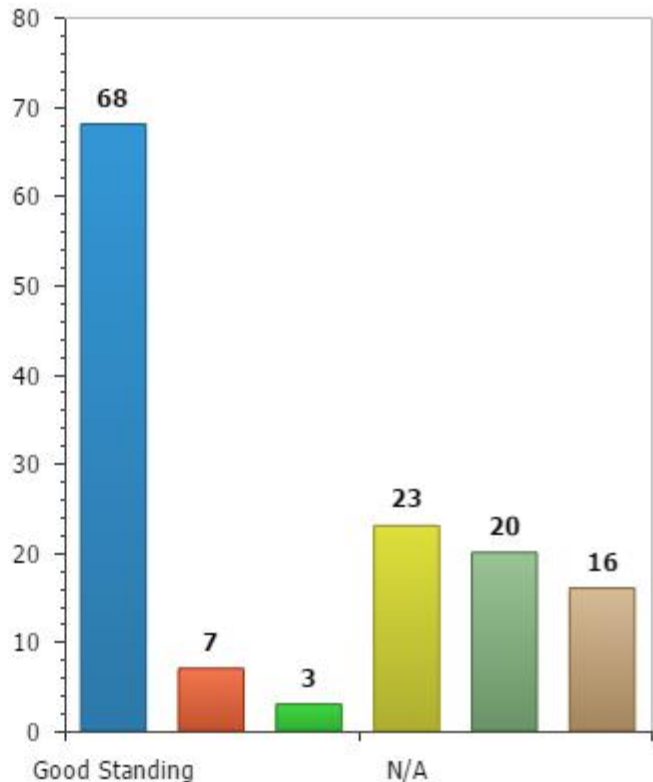
Enrolled	Sea
10	
137	
38	
72	
64	
38	
33	
116	
28	
26	
17	
50	
24	
14	
39	
26	

Course Statistics

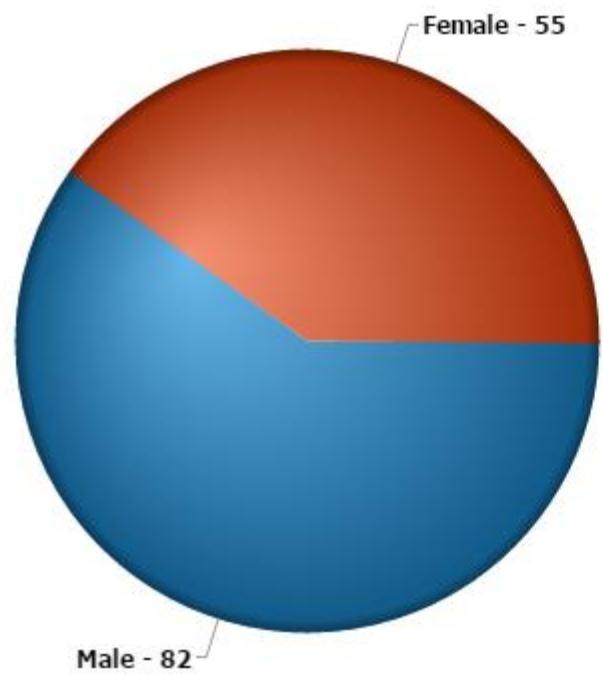


(80381) ACCT 2101 A - Principles of Accounting I

Academic Standing



Gender



Seats Available






Course

- ACCT 2099 B - Accounting for Entrepreneurs
- ACCT 2101 A - Principles of Accounting I
- ACCT 2101 B - Principles of Accounting I
- ACCT 2101 C - Principles of Accounting I
- ACCT 2101 D - Principles of Accounting I
- ACCT 2101 IA - Principles of Accounting I
- ACCT 2102 A - Principles of Accounting II
- ACCT 2102 B - Principles of Accounting II
- ACCT 2102 C - Principles of Accounting II
- ACCT 2102 IA - Principles of Accounting II
- ACCT 3100 A - Intro to Fraud Examination
- ACCT 3100 B - Intro to Fraud Examination
- ACCT 3201 A - Intermediate Accounting I
- ACCT 3201 B - Intermediate Accounting I

Students Enrolled

Seats Available

Students Enrolled	Seats Available
10	
137	
38	
72	
64	
38	
33	
116	
28	
26	
17	
50	
24	
14	

Send Email	Student Photo	Student ID	Name	At Risk Flags	At Risk General	At Risk Math	At Risk Reading	Academic Standing	Course Grade	Student Class
<input type="checkbox"/>		87000000			No	No	No	Good Standing	W	Sophomore
<input type="checkbox"/>		87000000			No	No	No	Dean's List		Senior
<input type="checkbox"/>		870000000	John Doe	At Risk Flags	Yes	No	No	Good Standing		Senior



Go

Actions

- ☆ Probation
- ☆ At-Risk

- Select Columns
- Filter
- Rows Per Page
- Format**
- Flashback
- Save Report
- Reset
- Help
- Download

- Sort
- Control Break
- Highlight
- Compute
- Aggregate
- Chart
- Group By
- Pivot



Student Information



870000000 - John Doe



1 - 1

Student Class	Sophomore
At-Risk General	No
At-Risk Math	No
At-Risk Reading	No
Advisor	Your Advisor Here
Previous Course Attempts	0

Set At-Risk Flags

Flag Type

- Select Flag Type -

At Risk Status

Level 0: No Risk

Comments

[Empty text area for comments]

Submit Flag

Search: [] Go Actions [v]

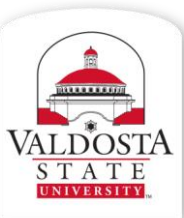
Probation x
 At-Risk x

Send Email	Student Photo	Student ID	Student Name
<input type="checkbox"/>		870000000	John Doe
<input type="checkbox"/>		870000000	John Doe
<input type="checkbox"/>		870000000	John Doe
<input type="checkbox"/>		870000000	John Doe



Predictive Analytics

- ▶ Identify key attributes to improve student success
- ▶ Create individual student success probability
- ▶ Data mining and full access to models
- ▶ Provide students with predicted course and program difficulty
- ▶ Compare predictions with historic patterns to improve accuracy





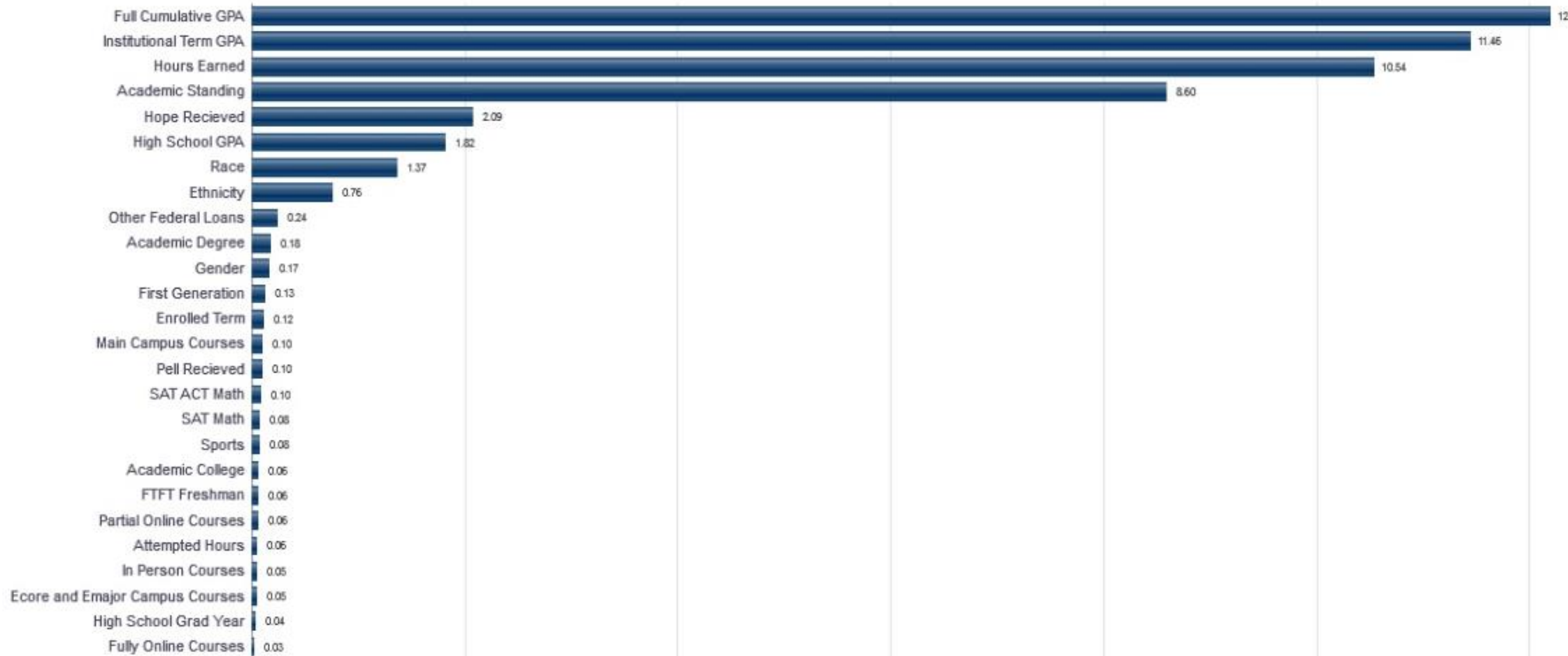
Student Attributes Ranked by Predictive Importance



Displays attributes included in AI model that contribute to student success

Time run: 8/13/2014 12:21:02 PM

Student Attributes Ranked by Predictive Importance



Get At-Risk Students Now
 Please select attributes you would like to include in the advanced analytic model. This model will be dynamically run in the database using the latest table data. Please feel free to re-run this model multiple times with different attributes depending on your needs.

Enter a Term: Select Value(s)

- NULL
- ACT_COMPOSITE
- ACT_ENGLISH
- ACT_MATH
- ACT_READING
- ACT_SCIENCE
- HSGPA
- SATM
- SATT
- SATV

Dynamic Execution of the Decision Tree Function
 Please select the attributes to include in the execution of the Decision Tree Function
 Time run: 9/5/2014 10:37:00 AM

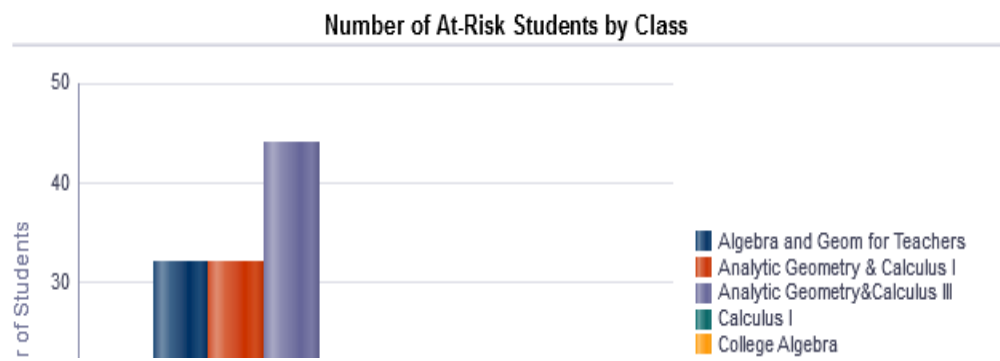
Values that are being evaluated in the database:
 201108 --- @ {params}

```
The R function:
Invoked Successfully
```

Decision Tree Model that Determines At-Risk in Math
 Displays rules that were generated from decision tree model to determine if a student is at risk
 Time run: 9/5/2014 10:36:21 AM

Rule Number	Rule that Determines At-Risk
10	(SATM <= 2.5) AND (HSGPA in ("3"))
11	(SATM <= 2.5) AND (HSGPA in ("4"))
12	(HSGPA in ("3" "4")) AND (SATM > 2.5)
6	(HSGPA in ("1")) AND (SATM <= 2.5)
7	(HSGPA in ("1")) AND (SATM > 2.5)
8	(HSGPA in ("2")) AND (SATM <= 2.5)
9	(HSGPA in ("2")) AND (SATM > 2.5)

At-Risk Students by Course Name
 Displays At-Risk Students by Course Name
 Time run: 9/5/2014 10:31:44 AM



Please select a Student ID

Student ID VSU00037 [dropdown]

Apply Reset [dropdown]

Current Courses

List of current courses with expected grades
Time run: 10/8/2014 2:14:52 AM

Student ID VSU00037

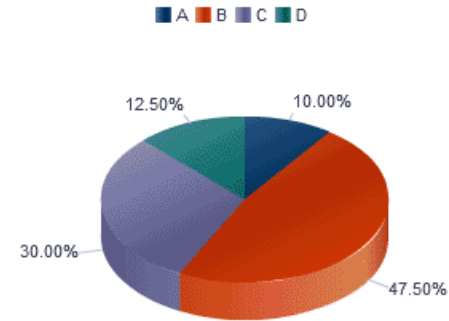
Term	Course number	Course title	Course department	Faculty email	Hours	Predicted Grade
Fall 2014	3401	Organic Chemistry I	Dept of Chemistry	jbyu	4	C
	3900	Tests and Measurements	Dept of Psychology/Counseling	jsrodefer	3	C
	4050	Psychology of Learning	Dept of Psychology/Counseling	blbrowne	3	C
	4800	Intr To Clinical Practices	Dept of Psychology/Counseling	dvasiele	3	C
Total Credit Hrs					13	

[Analyze](#) [Edit](#) [Refresh](#) [Export](#)

Grade Distribution for Student

Grade distribution for all terms for filtered Student ID
Time run: 10/8/2014 2:16:37 AM

Displays grade distribution for all terms for Student ID



Student Id [input] Enrollment Term [dropdown: --Select Value--] Course Subject [dropdown: --Select Value--] Course Number [dropdown: --Select Value--]

Apply Reset [dropdown]

Predicted Grades

Please input a Student ID, Course Subject and Course Number to see predicted grade
Time run: 10/8/2014 2:11:04 AM



Please select a Student ID

Student ID VSU00037

Apply Reset

Major Matching

Majors that are a good match for Student
Time run: 10/8/2014 2:22:43 AM

Academic college	Academic major	Prediction
College of Arts & Sciences	Associate of Arts	<input checked="" type="checkbox"/>
	Biology	<input checked="" type="checkbox"/>
	Chemistry	<input checked="" type="checkbox"/>
	Criminal Justice	<input checked="" type="checkbox"/>
	Criminal Justice - Online	<input checked="" type="checkbox"/>
	English	<input checked="" type="checkbox"/>
	Environmental Geosciences	<input checked="" type="checkbox"/>
	French	<input checked="" type="checkbox"/>
	General Studies Program	<input checked="" type="checkbox"/>
	History	<input checked="" type="checkbox"/>
	Interdisciplinary Studies	<input checked="" type="checkbox"/>
	Legal Assistant Studies	<input checked="" type="checkbox"/>
	Legal Assistant Studies-Online	<input checked="" type="checkbox"/>
	Mathematics	<input checked="" type="checkbox"/>
	Philosophy	<input checked="" type="checkbox"/>
	Philosophy & Religious Studies	<input checked="" type="checkbox"/>
	Political Science	<input checked="" type="checkbox"/>
	Sociology	<input checked="" type="checkbox"/>
	Sociology & Anthropology	<input checked="" type="checkbox"/>
	Spanish	<input checked="" type="checkbox"/>
	Technical Studies	<input checked="" type="checkbox"/>

Major Matching

Majors that are a match for the Student
Time run: 10/8/2014 2:19:26 AM

Academic college	Academic major	Prediction
College of Arts & Sciences	Engineering Studies (2 yr)	<input type="checkbox"/>
	Learning Support	<input type="checkbox"/>
	Undecided	<input type="checkbox"/>
College of Business Admin	Accounting	<input type="checkbox"/>
	BBA-Accounting	<input type="checkbox"/>
	BBA-Economics	<input type="checkbox"/>
	BBA-Finance	<input type="checkbox"/>
	BBA-Healthcare Administration	<input type="checkbox"/>
	BBA-International Business	<input type="checkbox"/>
	BBA-Management	<input type="checkbox"/>
	BBA-Marketing	<input type="checkbox"/>
	Business Administration	<input type="checkbox"/>
	Economics	<input type="checkbox"/>
	Finance	<input type="checkbox"/>
	International Business	<input type="checkbox"/>
	Management	<input type="checkbox"/>
	Marketing	<input type="checkbox"/>
College of Education	Athletic Training	<input type="checkbox"/>
	Vo Tech School - Health	<input type="checkbox"/>
College of Nursing & Health Sc	Athletic Training	<input type="checkbox"/>
	Pre-Athletic Training	<input type="checkbox"/>

Major Matching

Majors that are not a good match for the Student
Time run: 10/8/2014 2:23:46 AM

Academic college	Academic major	Prediction
College of Arts & Sciences	Transient	<input type="checkbox"/>
College of Business Admin	Accounting	<input type="checkbox"/>
	Economics	<input type="checkbox"/>
	Finance	<input type="checkbox"/>
	Healthcare Administration	<input type="checkbox"/>
	International Business	<input type="checkbox"/>
	Management	<input type="checkbox"/>
	Marketing	<input type="checkbox"/>
College of Education	Exercise Physiology	<input type="checkbox"/>
	Vo Tech School - Services	<input type="checkbox"/>
College of Nursing	Nursing	<input type="checkbox"/>
	Pre-Nursing	<input type="checkbox"/>
	RN-Nursing	<input type="checkbox"/>
College of Nursing & Health Sc	Exercise Physiology	<input type="checkbox"/>
	Nursing	<input type="checkbox"/>
	Pre-Exercise Physiology	<input type="checkbox"/>
	Pre-Nursing	<input type="checkbox"/>
	RN-Nursing	<input type="checkbox"/>
College of the Arts	Music Education-Grades PreK-12	<input type="checkbox"/>
	Music Performance	<input type="checkbox"/>



Student Class = 'Sophomore'

At-Risk

Send Email	Student Photo	Student ID	Name	DegreeWorks	Enter Notes	Overall Hours Earned	Gender	Student Class	GPA	Degree	Major	At Risk Reading	At Risk Math
<input type="checkbox"/>		870000000	John Doe	DegreeWorks	Enter Notes	31.3	M	Sophomore		BBA	Accounting	No	No
<input type="checkbox"/>		870000000	John Doe	DegreeWorks	Enter Notes	30	F	Sophomore	2.9	BSED	Amer Sign Lang/Engl Intrep-Coe	No	No
<input type="checkbox"/>		870000000	John Doe	DegreeWorks	Enter Notes	30	F	Sophomore		BSED	Amer Sign Lang/Engl Intrep-Coe	No	No
<input type="checkbox"/>		870000000	John Doe	DegreeWorks	Enter Notes	31	F	Sophomore	3.25	BSED	Amer Sign Lang/Engl Intrep-Coe	No	Yes
<input type="checkbox"/>		870000000	John Doe	DegreeWorks	Enter Notes	56	F	Sophomore		BSED	Amer Sign Lang/Engl Intrep-Coe	No	No
<input type="checkbox"/>													

87000000 - John Doe



Course	At Risk Course	Pass Probability	Chart
81397 - CHEM 1151K D	Yes	40%	
80479 - ENGL 1101 J	No	73%	
81197 - MATH 1111 W	Yes	45%	
82778 - PERS 2799 E	No	69%	

1 - 1

1 - 4

Add Notes

Selecting "Yes" will create a calendar invite for the time frame that you entered.

Follow Up with Student?

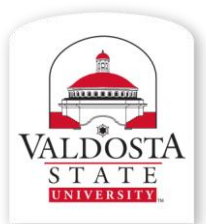
Enter Comment/Note Here:

Save Notes

- Row text contains 'nurs
- Student Class = 'Freshm
- At-Risk

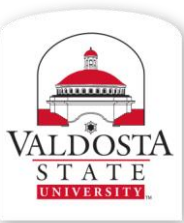
Student Photo	Student ID
	8700000
	8700000
	8700000
	8700000

Major	At Risk Reading
e- ursing	No
e- ursing	No
e- ursing	No
e- ursing	No



Oracle BI Cloud Services (BICS) Integration

- ▶ Improve information access and delivery
- ▶ Provide key reports and analysis
- ▶ Visual analyzer
- ▶ Drag-n-Drop reporting
- ▶ Historical trends and patterns
- ▶ Oracle BI Cloud option





Load Data

Upload and refresh your data.



Model

Organize and relate your data for analysis. Define facts, dimensions and hierarchies.



Manage

Manage users and roles. Take and restore snapshots of your service.



Create an Analysis

Query and report your data.



Create a Visual Analyzer Project

Explore your data and discover insight.



Create a Dashboard

Combine analyses and prompts into Interactive Dashboard applications.



Catalog

Browse and organize the content in your catalog.



Get Started

Learn more about your service.

Dashboards

Recent

Favorites



University_Enrollment - page 1

9/13/2015 7:12:05 PM



Academic Dashboard - page 1

4/6/2015 3:03:29 PM



University_Enrollment - page 2

9/13/2015 4:46:43 PM



Term_Gender_Pie_Chart

9/3/2015 7:54:22 PM



Term_Hours_Complete_Table

9/13/2015 4:33:05 PM



Term_Earned_Hours_Table

9/13/2015 4:27:07 PM



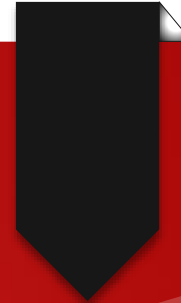
Term_Earned_Hours_Bar

9/13/2015 4:28:40 PM



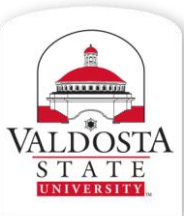
Term_Attempted_Hours_Bar

9/13/2015 4:26:33 PM



Oracle BICS – Data Sync

- ▶ Transfer data between cloud and/or on premise
- ▶ Secure data loads to Oracle BICS/DBaaS
- ▶ Transfer over 400,000 records per minute
- ▶ Schedule automatic loads and notifications



Criteria Results Prompts Advanced

- Subject Areas
- GRADUATE_ASSISTANCE
 - GRADUATE_ASSISTANCE
 - HONORS_SCHOLAR_IND
 - HONORS_SCHOLAR_IND2
 - HOUSING
 - HOUSING2
 - HS_DEGREE_TYPE
 - HS_DEGREE_TYPE2
 - HS_DEGREE_YEAR
 - HS_DEGREE_YEAR2
 - MAJOR
 - MAJOR2
 - MAJOR_2
 - MAJOR_22
 - MAJOR_DEGREE_DESC
 - MAJOR_DEGREE_DESC2
 - MAJOR_DEGREE_DESC_2

Selected Columns

Double click on column names in the Subject Areas pane to add them to the analysis. Once added, drag-and-drop columns to reorder them. Edit a column's properties, formula and filters, apply sorting

Student_Enrollment_Fact_V	Student_Enrollment_Dim
ATTEMPTED_HRS	ACADEMIC_STANDING
EARNED_HRS	RACE
OTHER_FED_LOANS	GENDER
STUDENT_COUNT	COLLEGE

Filters

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the filter button in the Filter pane header. Add a saved filter by cli

Add Filters Here.



Table

Subject Areas

- ▶ ATHLETE2
- ▶ AT_RISK_GENERAL
- ▶ AT_RISK_GENERAL2
- ▶ AT_RISK_MATH
- ▶ AT_RISK_MATH2
- ▶ AT_RISK_READING
- ▶ AT_RISK_READING2
- ▶ COLLEGE
- ▶ COLLEGE2
- ▶ COLLEGE_2
- ▶ COLLEGE_22
- ▶ DEPARTMENT
- ▶ DEPARTMENT2
- ▶ DEPARTMENT_2
- ▶ DEPARTMENT_22
- ▶ ETHNICITY
- ▶ ETHNICITY2
- ▶ FIRST_GENERATION
- ▶ FIRST_GENERATION2
- ▶ FLC
- ▶ FLC2
- ▶ FTFT_FRESHMAN
- ▶ FTFT_FRESHMAN2
- ▶ FULL_TIME
- ▶ FULL_TIME2
- ▶ GENDER
- ▶ GENDER2
- ▶ GRADUATE_ASSISTANCE
- ▶ GRADUATE_ASSISTANCE2
- ▶ HONORS_SCHOLAR_IND
- ▶ HONORS_SCHOLAR_IND2

Catalog

- List All
- ▶ My Folders
 - ▶ Company Shared



COLLEGE	RACE	STUDENT_COUNT	ATTEMPTED_HRS	EARNED_HRS	OTHER_FED
College of Arts & Sciences	American Indian or Alaska Native	730.00	7,873	4,923	94
	Asian	2334.00	26,721	21,813	133
	Black or African American	45215.00	525,696	373,535	12453
	Multiracial	3542.00	40,767	30,418	785
	Native Hawaiian or Other Pacific Islander	981.00	10,914	7,419	65
	Other	1172.00	11,481	8,178	134
	Unreported	3254.00	37,689	30,366	530
	White	91796.00	1,014,347	753,889	13092
	College of Business Admin	American Indian or Alaska Native	121.00	1,302	1,161
Asian		1459.00	17,278	11,503	55
Black or African American		11757.00	142,029	107,587	3090
Multiracial		773.00	9,142	7,385	184
Native Hawaiian or Other Pacific Islander		369.00	4,196	3,614	23
Other		253.00	2,840	2,366	24
Unreported		1053.00	12,451	8,888	125
College of Education	American Indian or Alaska Native	417.00	3,829	3,199	111

Layout

Drag/drop measures, columns and hierarchies to determine table layout.

Table Prompts

Drop here for Table prompts

Sections

Drop here for a sectioned table

Table

Columns and Measures

Student_Enrollment_Dim	Student_Enrollment_Fact_V				
COLLEGE	RACE	STUDENT_COUNT	ATTEMPTED_HRS	EARNED_HRS	OTHER_FED_LOANS



Academic Dashboard

Data Filters

Academic Year

--Select Value--

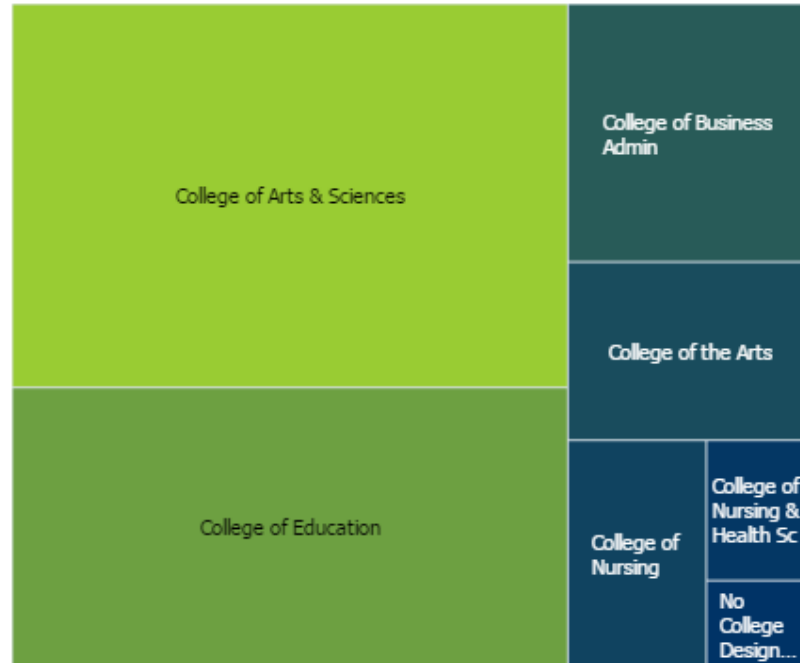
Term

Between --Select Value--

Apply Reset

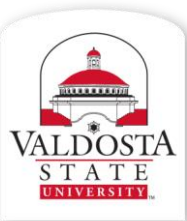
Student Enrollment Analysis

Select a View -> Treemap



Attempted Hours by Semester

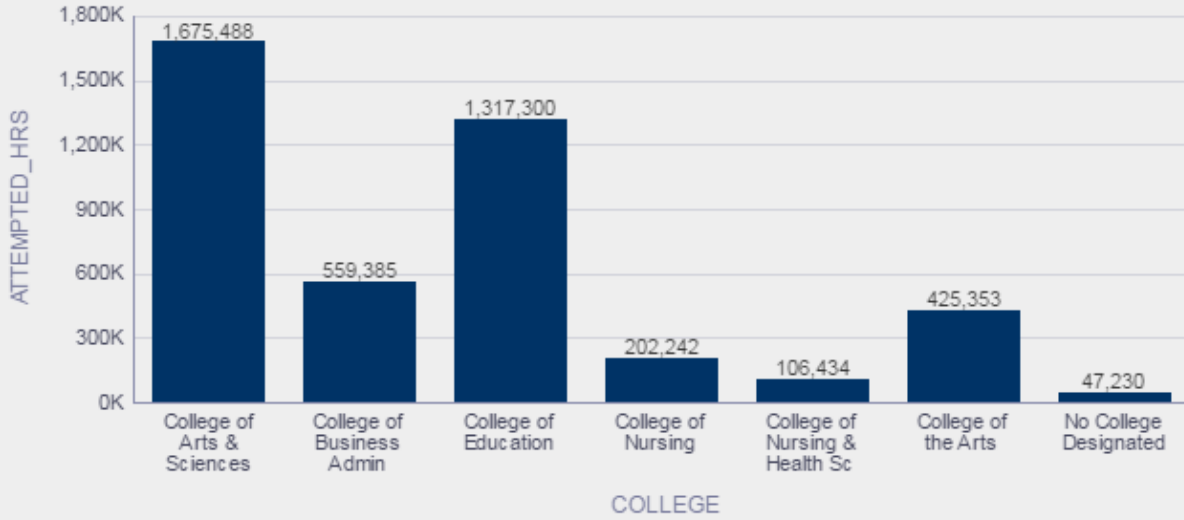
Academic College	Attempted Hours			Total
	Fall	Spring	Summer	
College of Arts & Sciences	4,046,927	3,865,609	879,257	8,791,793
College of Business Admin	1,415,984	1,347,452	300,877	3,064,313
College of Education	3,156,688	3,022,965	966,780	7,146,433
College of Nursing	531,302	502,663	107,586	1,141,551
College of Nursing & Health Sc	140,783	140,887	23,292	304,962
College of the Arts	1,126,484	1,070,467	161,097	2,358,048
No College Designated	79,034	79,282	26,866	185,182



Earned Hours

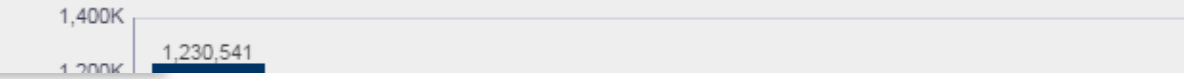
COLLEGE	ATTEMPTED_HRS	EARNED_HRS	PERCENT COMPLETE
College of Arts & Sciences	1,675,488	1,230,541	73.44%
College of Business Admin	559,385	437,965	78.29%
College of Education	1,317,300	1,068,737	81.13%
College of Nursing	202,242	177,485	87.76%
College of Nursing & Health Sc	106,434	63,459	59.62%
College of the Arts	425,353	359,344	84.48%
No College Designated	47,230	43,288	91.65%
Grand Total	4,333,432	3,380,819	78.02%

ATTEMPTED_HRS

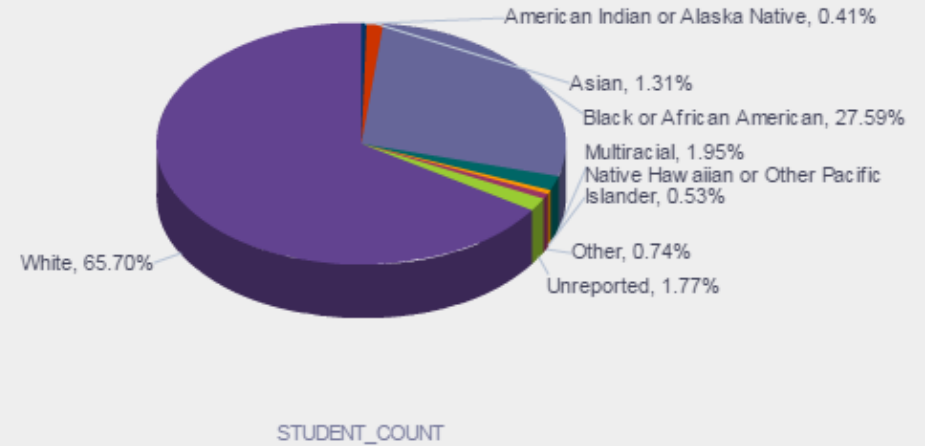
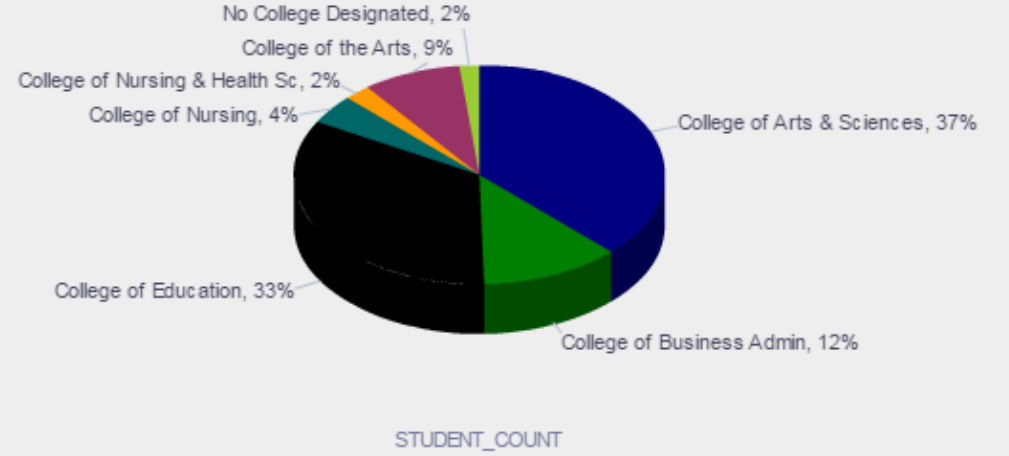


Earned Hours

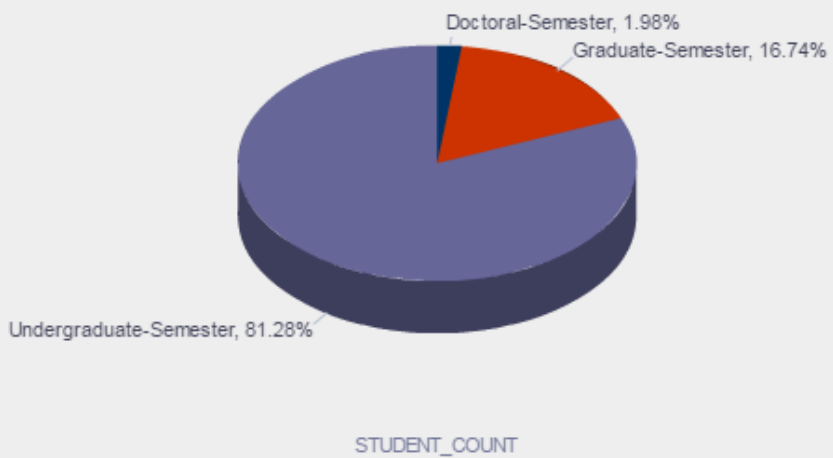
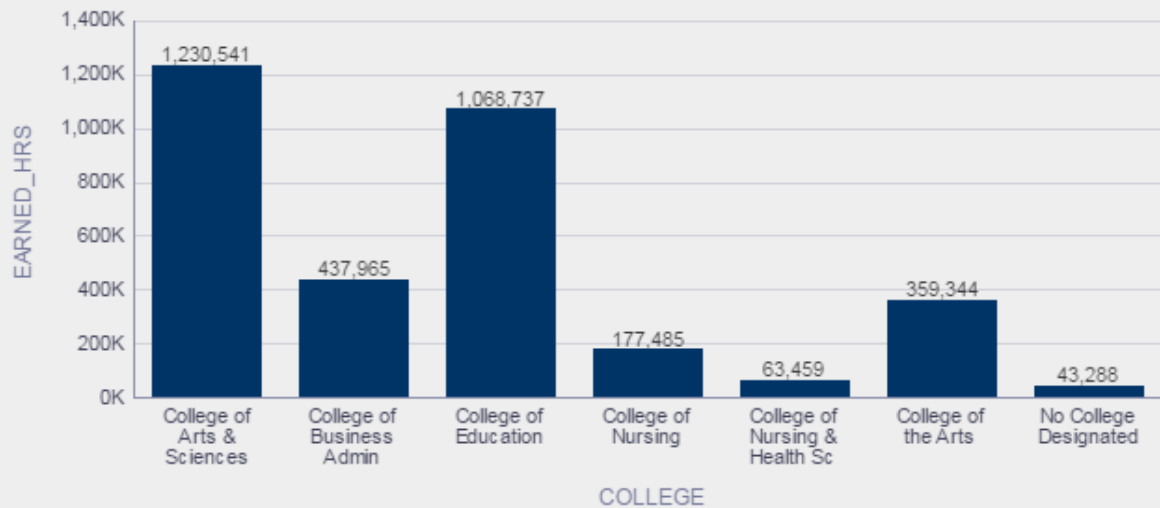
EARNED_HRS



Students

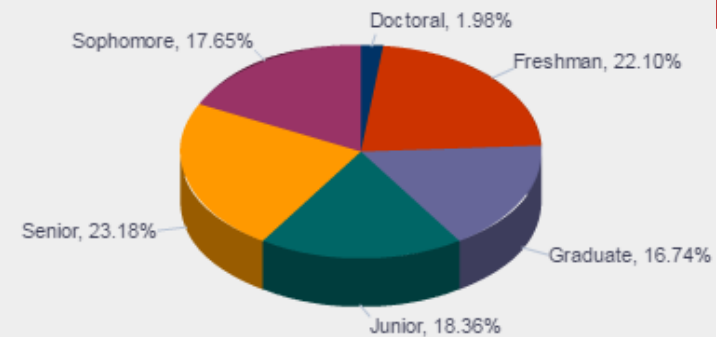


EARNED_HRS



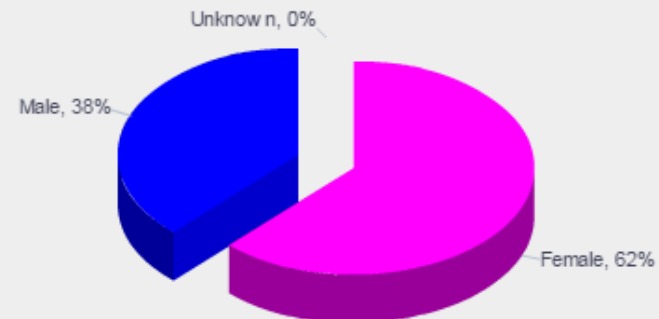
STUDENT_COUNT

STUDENT_COUNT



STUDENT_COUNT

Students



Gender Trends by College Department

Criteria **Results** Prompts Advanced

Subject Areas

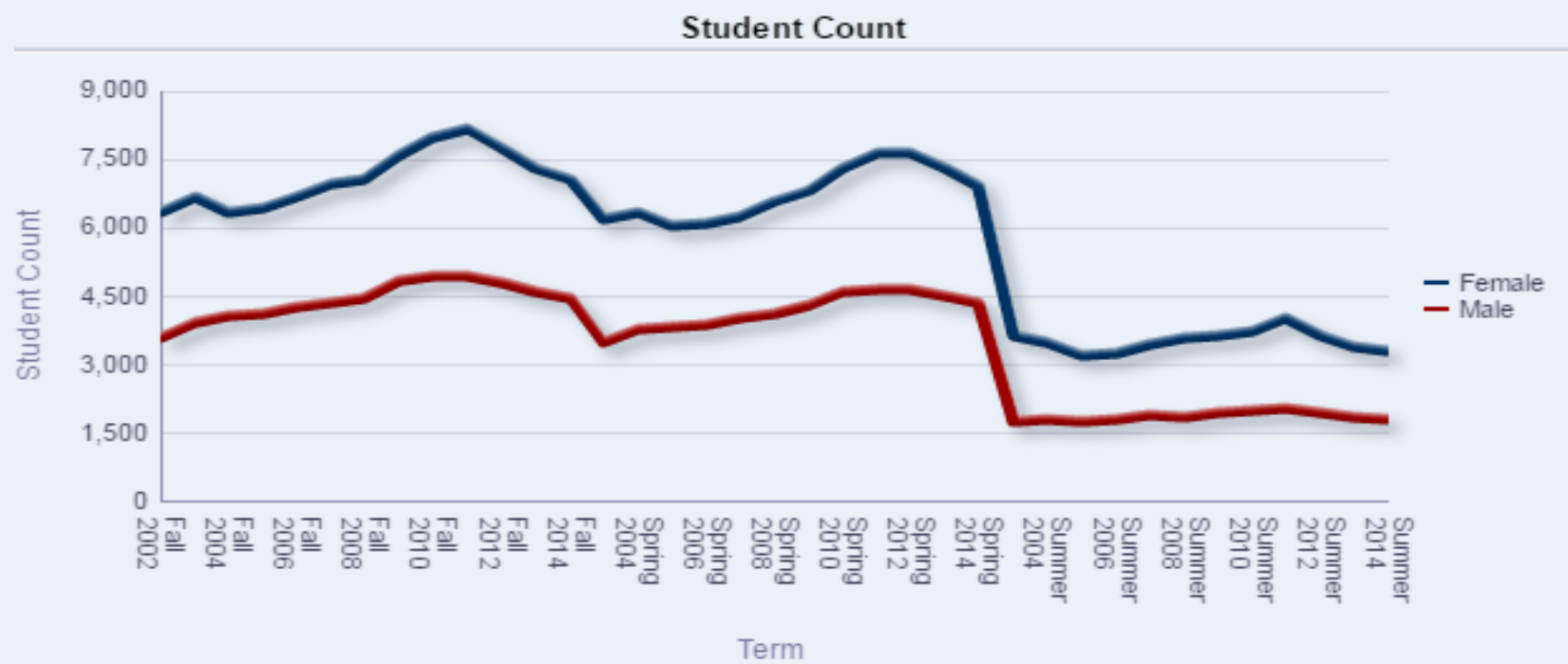
- Major Dimension
- Minor
- Concentration
 - Aid Eligible
 - CIPC Code
 - Concentration Code
 - Concentration
 - Concentration Dimension
- Gender
 - Gender Code
 - Gender
 - Gender Dimension
- Race
 - Race Code
 - Race
 - Race Dimension
- Full-Time / Part-Time
- Student Level
- Student Class
- Student Type
 - Student Type Code
 - Student Type
 - Student Type Dimension
- Overall GPA Range
- Person
- Other E-mail



Compound Layout

Title
Gender Trends by College Department
Time run: 9/24/2014 11:28:53 AM

Graph (2)



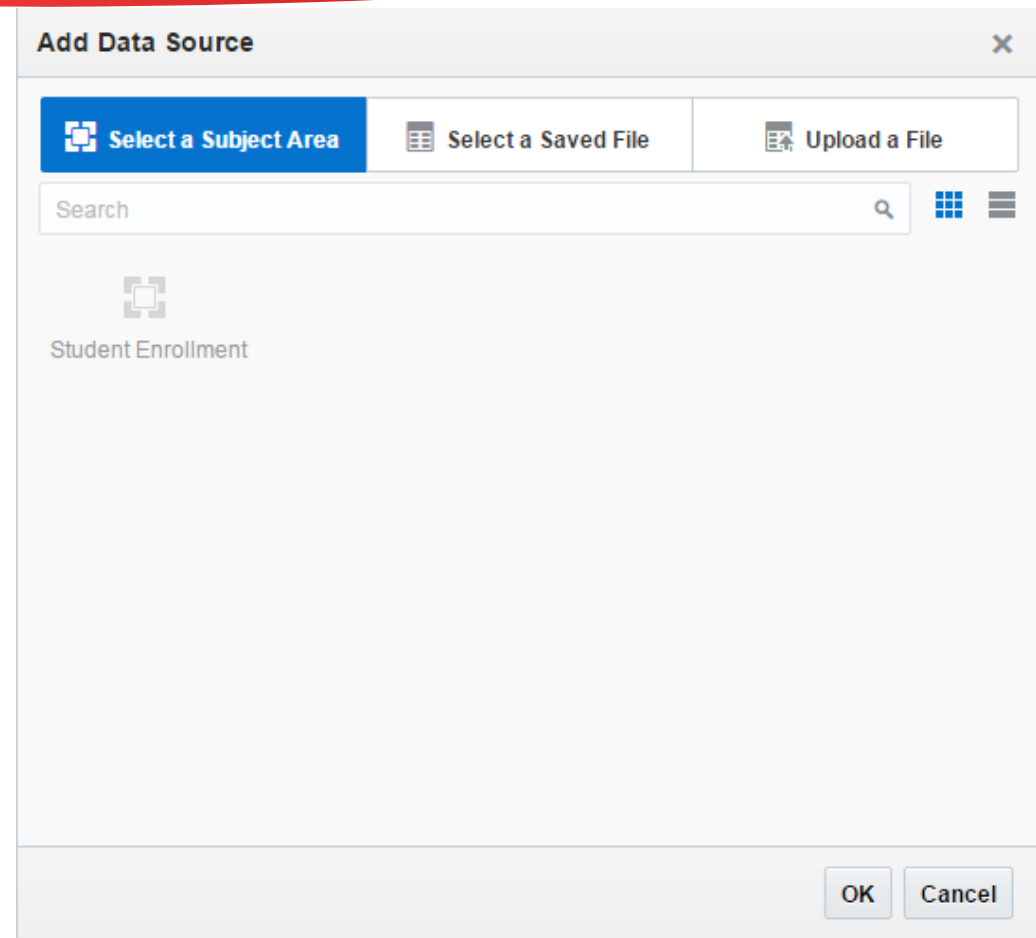
Catalog

Oracle BICS – Visual Analyzer

- ▶ Easily explore data and create visualizations
- ▶ Access all data sets loaded into your database
- ▶ Load and analyze data from spreadsheets
- ▶ Drag-n-Drop reporting

Visual Analyzer – Data Source Selection

- ▶ Use internal data
- ▶ Select a saved file
- ▶ Upload a csv/excel file
- ▶ Combine internal and uploaded files in analysis



- OVERALL_QUALITY_PI
- PELL_RECEIVED
- SAT_MATH
- SAT_VERBAL
- STUDENT_COUNT**
- STUDENT_TERM_PK
- TERM
- TRANSFER_HOURS_E
- VSU_GPA
- VSU_GPA_HOURS
- VSU_HOURS_ATTEMP
- VSU_HOURS_EARNEC
- VSU_QUALITY_POINTS
- Student_Enrollment_Dim
 - ACADEMIC_STANDING**
 - ACADEMIC_STANDING
 - ATHLETE
 - ATHLETE2
 - AT_RISK_GENERAL
 - AT_RISK_GENERAL2
 - AT_RISK_MATH
 - AT_RISK_MATH2
 - AT_RISK_READING
 - AT_RISK_READING2
 - COLLEGE
 - COLLEGE2
 - COLLEGE_2
 - COLLEGE_22
 - DEPARTMENT

Drag data elements to add a filter

Horizontal Stacked

Trellis Columns

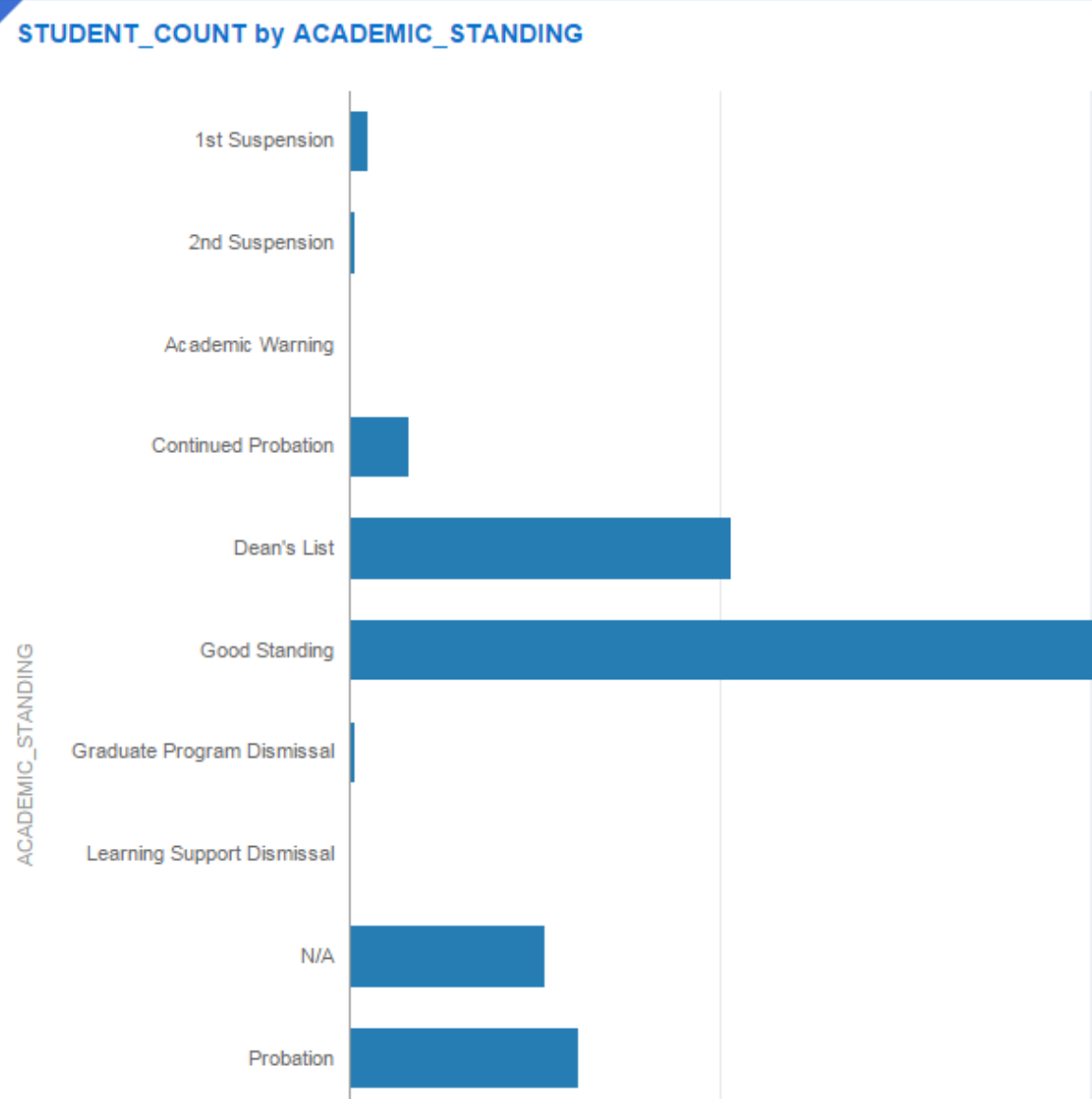
Trellis Rows

Values (X-Axis)
STUDENT_COUNT

Category (Y-Axis)
ACADEMIC_STAN...

Color

Size (Width)



Pie

Trellis Columns

Trellis Rows

Values (Slice)

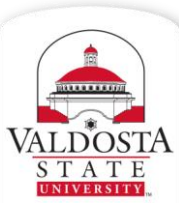
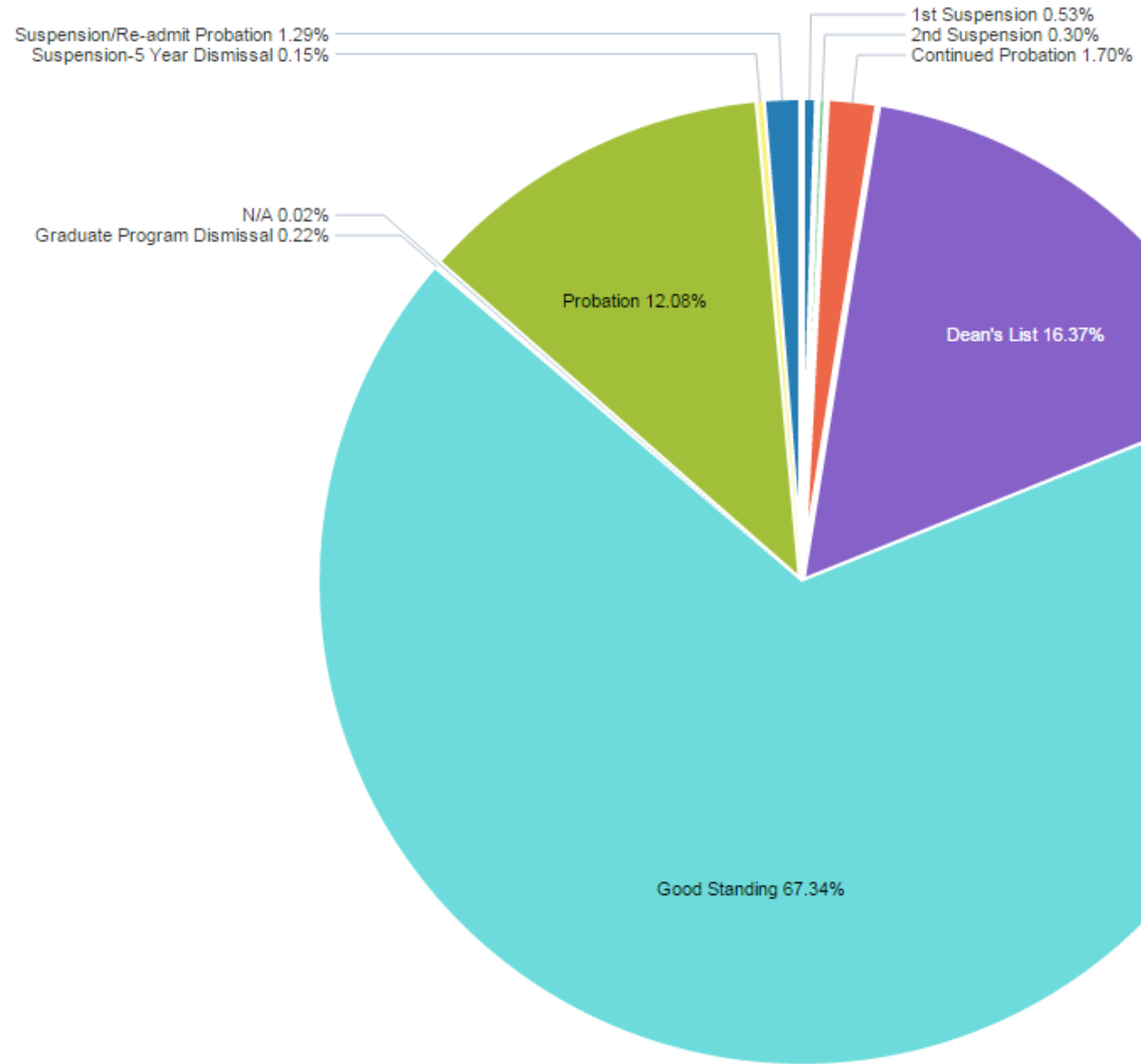
STUDENT_COUNT

Category

Color

ACADEMIC_STAN...

STUDENT_COUNT by ACADEMIC_STANDING





Search

Untitled



- FIRST_GENERATION
- FIRST_GENERATION2
- FLC
- FLC2
- FTFT_FRESHMAN
- FTFT_FRESHMAN2
- FULL_TIME
- FULL_TIME2
- GENDER
- GENDER2
- GRADUATE_ASSISTAN
- GRADUATE_ASSISTAN
- HONORS_SCHOLAR_II
- HONORS_SCHOLAR_II
- HOUSING
- HOUSING2
- HS_DEGREE_TYPE
- HS_DEGREE_TYPE2
- HS_DEGREE_YEAR
- HS_DEGREE_YEAR2
- MAJOR**
- MAJOR2
- MAJOR_2
- MAJOR_22
- MAJOR_DEGREE_DES
- MAJOR_DEGREE_DES

TERM_DESC

Fall 2010

Tag Cloud

Trellis Columns

Trellis Rows

Values (Size)

STUDENT_COUNT

Category

MAJOR

Color

STUDENT_COUNT by MAJOR



Bar

Trellis Columns

GENDER

Trellis Rows

COLLEGE

Values (Y-Axis)

STUDENT_COUNT

Category (X-Axis)

Color

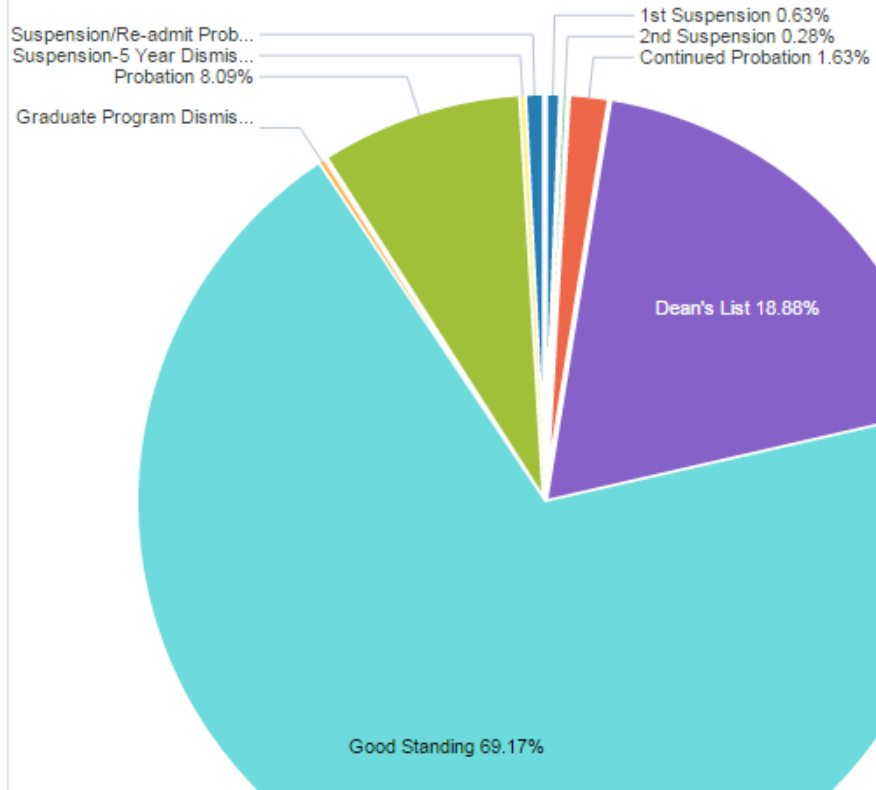
Size (Width)

STUDENT_COUNT by COLLEGE, GENDER

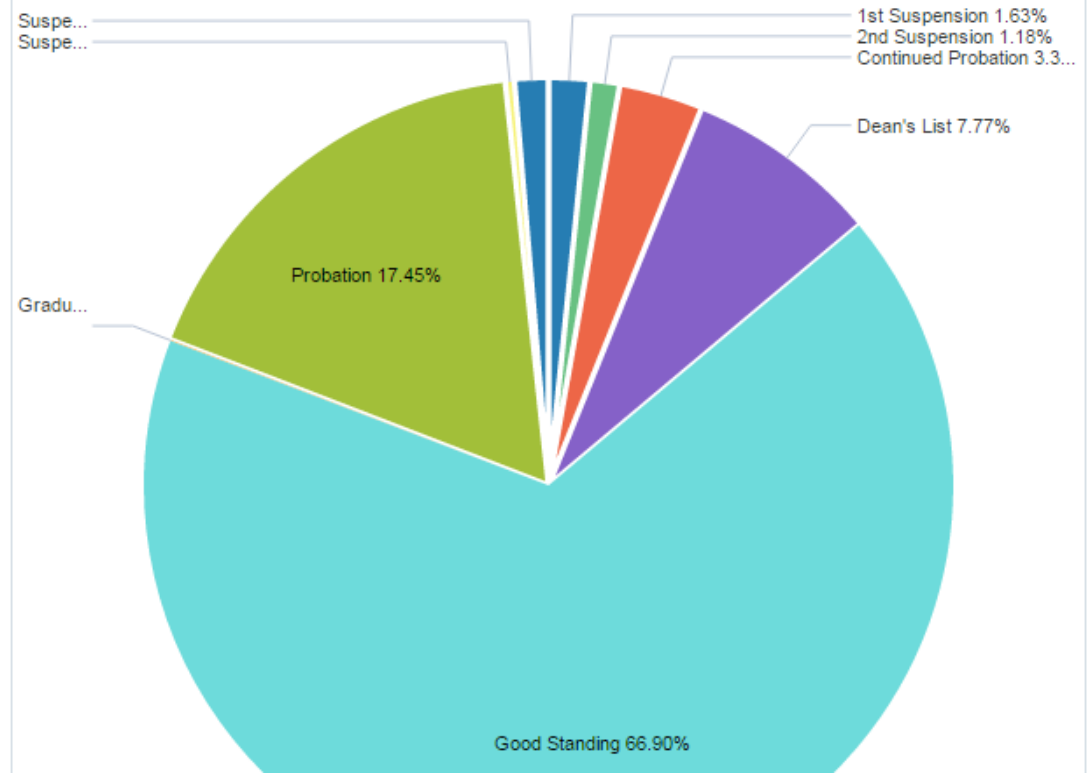


STUDENT_COUNT by ACADEMIC_STANDING, AT_RISK_MATH

No



Yes



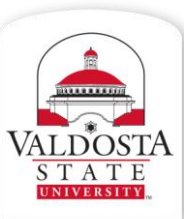
ACADEMIC_STANDING

- 1st Suspension
- 2nd Suspension
- Continued Probation
- Dean's List
- Good Standing
- Graduate Program Dism...
- Probation
- Suspension-5 Year Dis...
- Suspension/Re-admit Pr...



MyVSU Student Portal

- ▶ Data-driven portal based on student attributes
- ▶ Tailored advertisements promoting support services
- ▶ Advisor alerts to improve communication
- ▶ Single sign-on to email, D2L, Banner, library, and other services
- ▶ Integration with VSU data warehouse to deliver real-time prioritization to advertisements and messages





Math Tutoring
229.333.1500

- Math Study Tips
- Tutoring Schedule
- Course Catalog
- Choosing a Major



English Tutoring
229.333.1500

This would be text for a paragraph.
This would be text for a paragraph.
This would be text for a paragraph.

Logout



VSU E-mail



Banner Registration



BlazeView



Information Technology
Service Desk



Password Management



English Tutoring
229.333.1500

- English Study Tips
- Tutoring Schedule
- Course Catalog
- Choosing a Major



This would be text for a paragraph.
This would be text for a paragraph.
This would be text for a paragraph.

MyVSU Portal

Information and advertisements
tailored to each individual student in
real-time



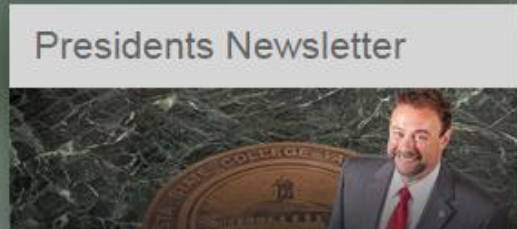
! You have a new message. Click Here.

View Background | Inbox | Help | Logout



Valdosta Forecast

TODAY	THU	FRI	SAT
66 88	66 87	65 88	65 82



Links



MyVSU Portal
 Information and advertisements
 tailored to each individual student in
 real-time

VSU Email S	BlazeVIEW D2L S
Banner Registration S	GoVIEW
Parking and Transportation	CampusConnect S
Orientation for Online Students S	1Card Online Card Office
ADP/Shared Services	

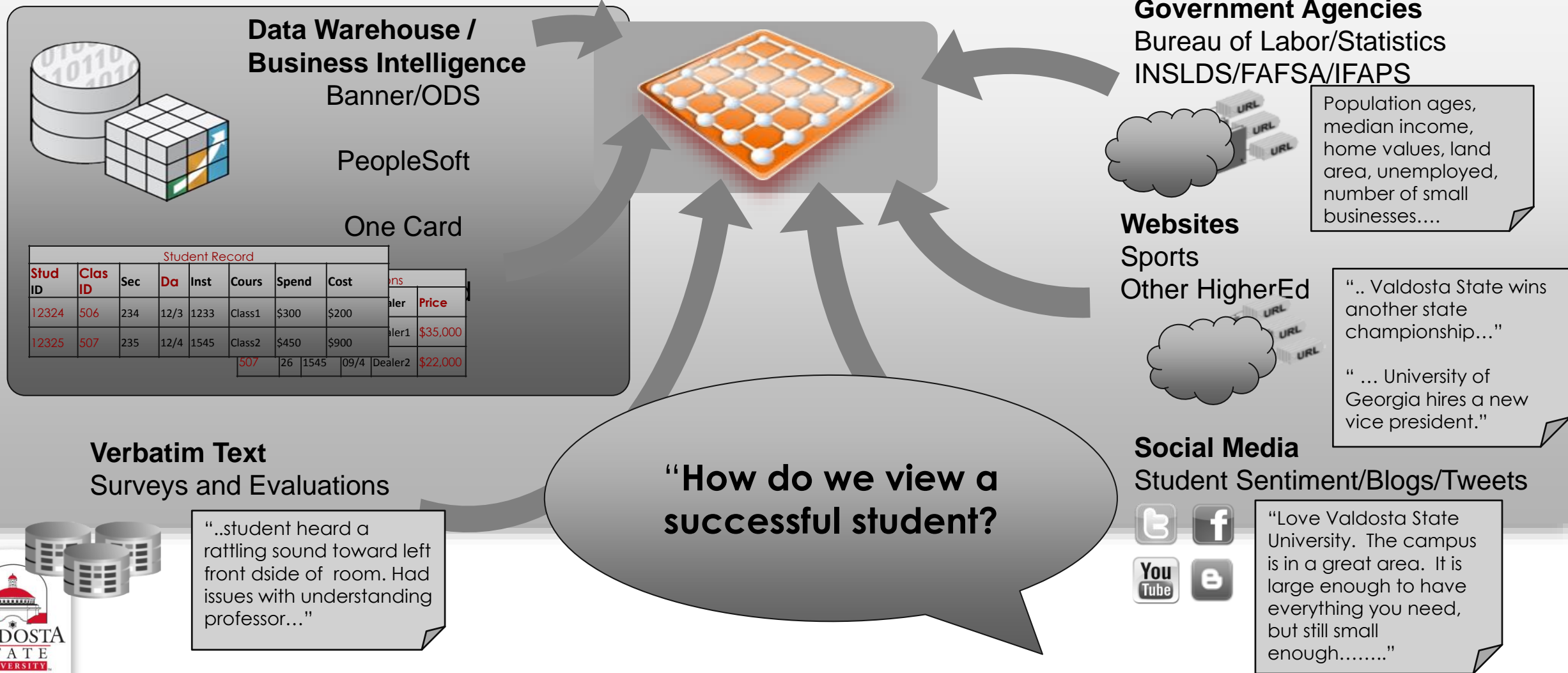


Endeca Information Discovery

- ▶ Analyze data from any source
- ▶ Measure and quantify student engagement
- ▶ Combine both structured and unstructured data
- ▶ Provide sentiment analysis on surveys and social media
- ▶ Measure the impact social and engagement metrics have on retention and graduation rates



Oracle Endeca Information Discovery: Understand the Complete Picture



Population ages, median income, home values, land area, unemployed, number of small businesses....

“.. Valdosta State wins another state championship...”

“ ... University of Georgia hires a new vice president.”

“Love Valdosta State University. The campus is in a great area. It is large enough to have everything you need, but still small enough.....”

“...student heard a rattling sound toward left front dside of room. Had issues with understanding professor...”



▼ Enrolled Term

Search for specific value...

- Fall 2012 (1178)
- Spring 2013 (1090)
- Fall 2013 (885)
- Spring 2014 (843)
- Fall 2014 (729)
- Summer 2014 (302)
- Summer 2013 (198)

Select All

▼ Student GPA

- ▶ High School GPA
- ▶ Institutional Term GPA
- ▼ Full Cumulative GPA

Between -

5224 results

Submit

- ▶ SAT Verbal
- ▼ Purchases
- ▶ Enrolled Term
- ▶ Purchase Amount
- ▼ Financial Aid
- ▶ Parent Marital Status
- ▶ Parent Taxes Paid
- ▶ Parent Adjusted Income
- ▶ Enrolled Family Members
- ▶ Total Parent Contribution
- ▶ Other Fed Grants
- ▶ Other Fed Loans
- ▶ Other Loans
- ▶ Pell Received
- ▶ Hope Received
- ▶ Private Scholarships
- ▶ Primary Parent Contr
- ▶ Par 2 Adj Avail Income
- ▶ Secondary Parent Contr
- ▼ Student Flags
- ▶ Graduated This Term
- ▶ At Risk General
- ▶ At Risk Math
- ▶ Registered Full Time
- ▶ Transfer Student

- ▶ Enrolled Term
- ▼ Student Demographics
- ▶ County Residence
- ▶ High School
- ▶ Citizen
- ▶ Ethnicity
- ▶ Gender
- ▶ Race
- ▼ Sport

Search for specific value...

 - Football (57)
 - Soccer (40)
 - Dance (39)
 - Cheerleader (30)
 - Baseball (18)
 - Softball (17)
 - Women-Cross Country (10)
 - Men-Cross Country (8)
 - Men-Tennis (5)
 - Women-Basketball (5)
 - Volleyball (4)

- ▼ Course Type
- ▶ Hybrid Courses
- ▶ Partially Online Courses
- ▶ Vista Online Courses
- ▶ Tech Enhanced Courses
- ▶ Kingsbay Campus
- ▶ Military Campus Courses
- ▶ Offsite Campus Courses
- ▶ Online Campus Courses
- ▶ Gomi Campus Courses
- ▶ Ecore Campus Courses
- ▶ Emajor Campus Courses
- ▶ Webmba Campus Courses
- ▼ Student Courses
- ▶ Enrolled Term
- ▶ Freshman Learning
- ▶ Student Athlete
- ▶ Student Class
- ▶ Student Level
- ▶ Student Type
- ▶ Academic Collene

Search Box

Search Within

Breadcrumbs

No refinements have been selected.

Range Filters

Success Counts

Success Hours

- Guided Navigation
- Student
 - Student Courses
 - Student Demographics
 - Student Employess
 - Student Flags
 - Student GPA
 - Student MultiAssign
 - Success Center
 - Financial Aid
 - Labor Data
 - Purchases
 - Card Access
 - Indicators
 - Course Type

Bookmarks

Filter bookmarks...

My Bookmarks

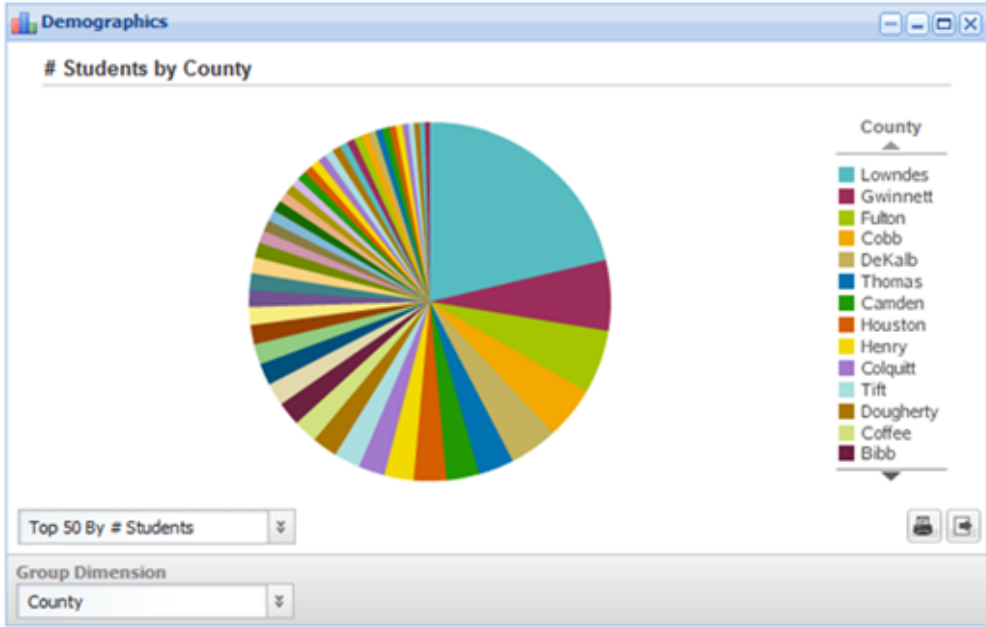
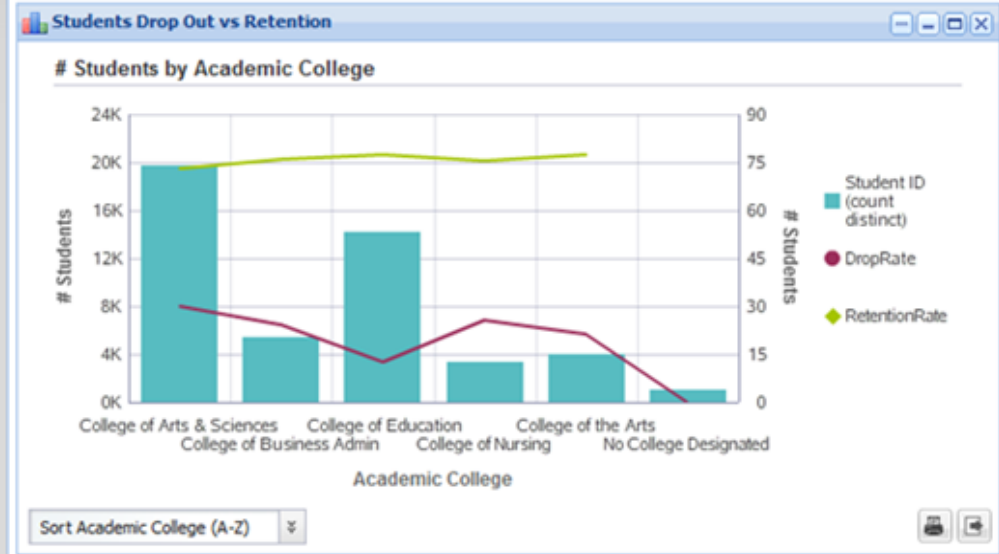
Name	Description	Date ...	Actions
No bookmarks matched your filter.			

Create New Bookmark

Student Metrics

At Risk Rate 17%	Drop Out Rate 24%	High School GPA 3.08	Cumulative GPA 2.96	Student Sentiment 21.73%
---------------------	----------------------	-------------------------	------------------------	-----------------------------

Student Location



Detail Records

Column Sets: Student

D...	Student ID	Attempted Hours	Earned Hrs	Face To Face Courses	First Generation	FTE	Fully Online Courses	High School Grad Year	Lives
<input type="checkbox"/>	000380A9A619DAC486F1...	6.000000	0.000000	0.000000	N	0.666667	2.000000		N
<input type="checkbox"/>	000380A9A619DAC486F1...	6.000000	0.000000	0.000000	Y	0.666667	2.000000		N
<input type="checkbox"/>	000380A9A619DAC486F1...	9.000000	0.000000	0.000000	N	1.000000	3.000000		N
<input type="checkbox"/>	0007F307E6A1B6DD2C39...	3.000000	3.000000	1.000000	N	0.250000	0.000000	2008	N
<input type="checkbox"/>	0007F307E6A1B6DD2C39...	4.000000	4.000000	1.000000	N	0.333333	0.000000	2008	N
<input type="checkbox"/>	000837BB026C2AC39A00...	14.000000	8.000000	6.000000	N	1.000000	0.000000	2012	N
<input type="checkbox"/>	000837BB026C2AC39A00...	18.000000	0.000000	6.000000	N	1.000000	0.000000	2012	N
<input type="checkbox"/>	000AB70F6964700971477...	9.000000	7.000000	4.000000	N	0.750000	0.000000	2000	N
<input type="checkbox"/>	000AB70F6964700971477...	5.000000	5.000000	2.000000	N	0.416667	0.000000	2000	N
<input type="checkbox"/>	000AB70F6964700971477...								

Page 1 of 19855 Records per page

Displaying records 1 - 10 of 198550

Search Box

 Search within

Course Metrics

59,207 # Students 3,144 Number of Courses

Selected Refinements

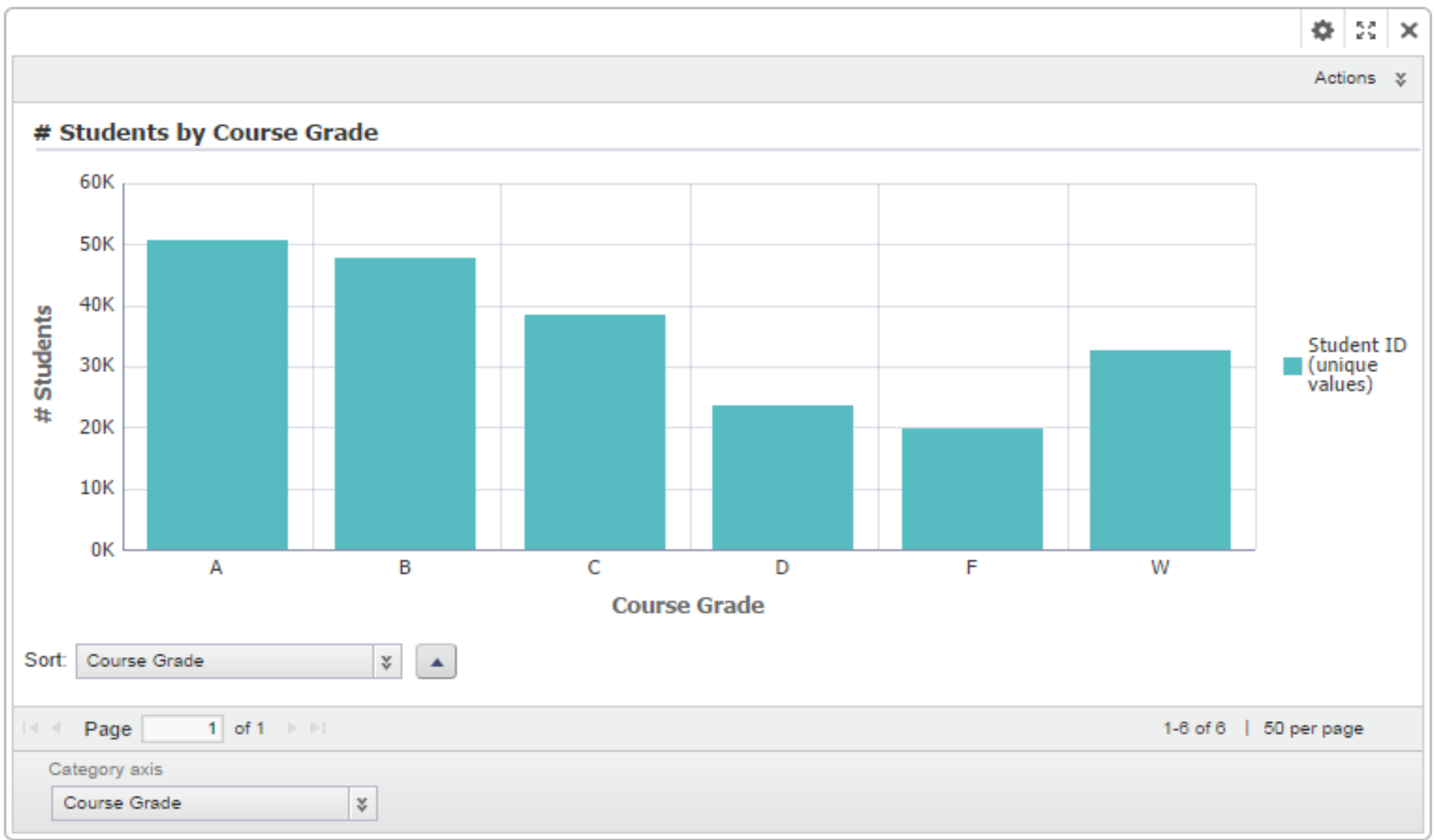
▶ Course Grade (6 Values)

Reset

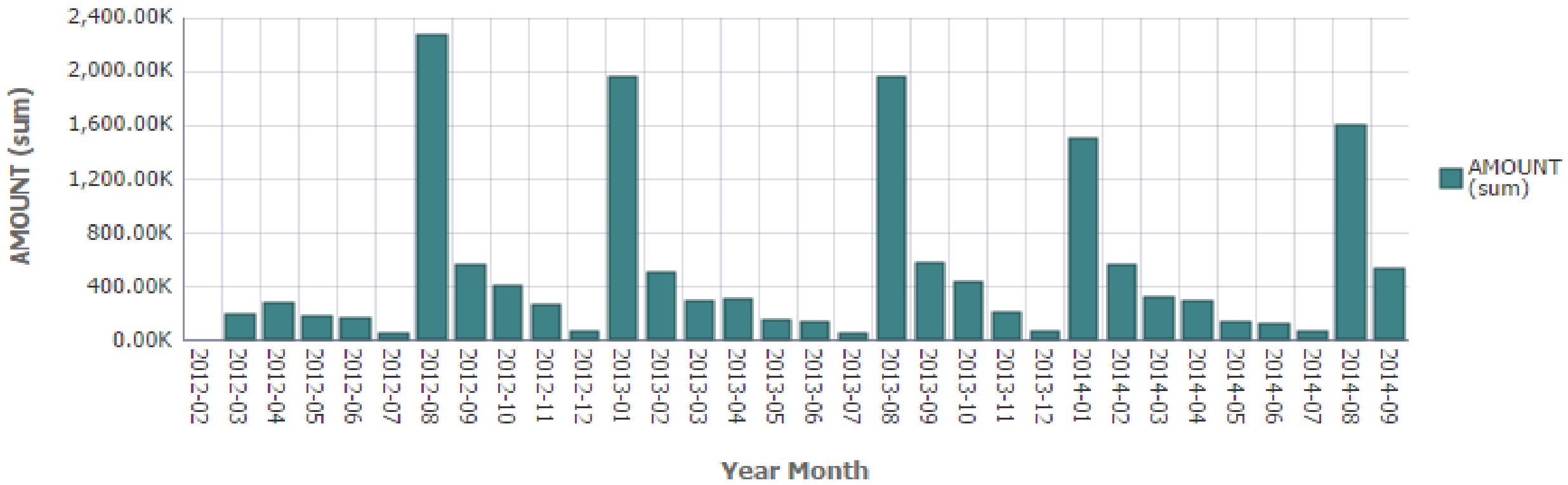
Available Refinements

- ▶ Student Demographics
- ▶ Student Flags
- ▶ Success Center
- ▶ Student
- ▼ Student Courses
 - ▶ Course Attributes
 - ▼ Course Campus
 - Search for specific value...
 - Main Campus (1362680)
 - Online Campus (105756)
 - Off Campus (31128)
 - Kingsbay Campus (29291)
 - Georgia on my Line (20870)
 - eCore Campus (12509)
 - Military Base Campus (8462)
 - Study Abroad (6285)
 - eMajor Campus (5264)
 - MPA online (3117)
 - WebMBA Campus (1400)

Component Container



AMOUNT (sum) by Year Month



Sort: Year Month

Value axis: AMOUNT (sum)

Color: (none)

Purchase Metrics

14,603

Students

\$16,054,431

Total \$ Amount

1,912,588

Total Transactions

\$8.39

Avg \$ per Transaction

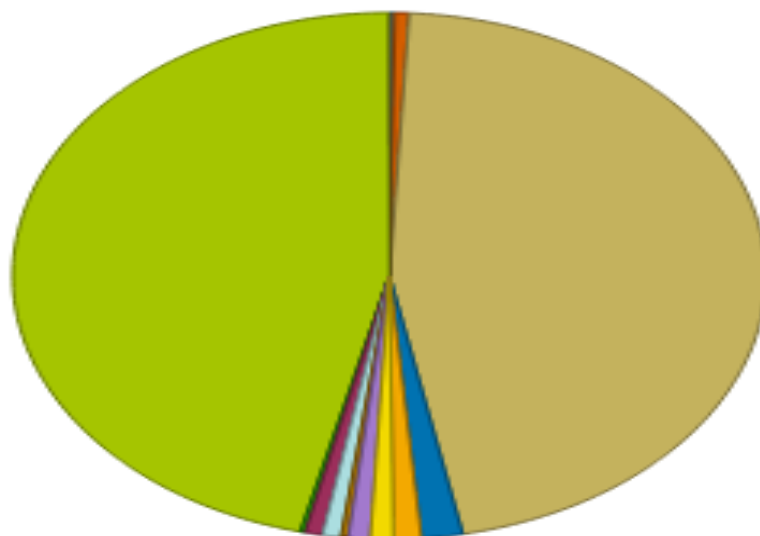
2,035

Transactions Per Day



Actions

AMOUNT (sum) by Merchant Name



- Merchant Name**
- 1 Card
 - Beverage
 - Dining
 - iValidate Events
 - Laundry
 - Off Campus Tapingo
 - On Campus Tapingo
 - Parking
 - Printing
 - Snack
 - Student Health
 - Student Rec
 - University Stores
 - Verifones

Sort: Merchant Name

Page 1 of 1

1-14 of 14 | Show all

Value: AMOUNT (sum) Color: Merchant Name

Search Box

Search Within

Course Metrics

Sentiment
34%

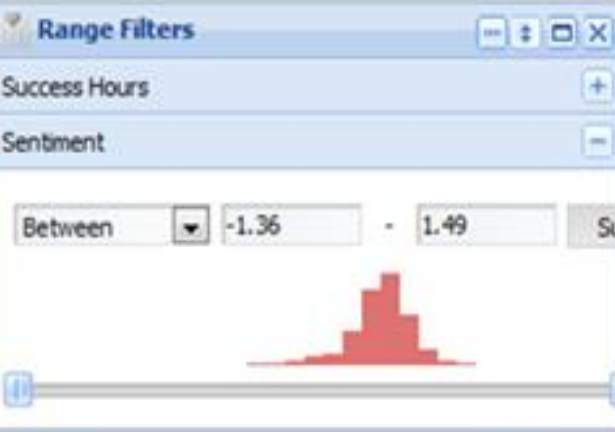
Students
40,472

Number of Courses
2,446

Courses by Instructor
4

Breadcrumbs

No refinements have been selected.



- Guided Navigation
- Student
 - Student Courses
 - Success Center
 - Student Demographics
 - Evaluation
 - Student Flags

Bookmarks

Sentiment

Instructors, Sentiment (avg) by Course Title



Top 30 By # Instructors

Group Dimension
Course Title

Counts

Instructors by Course Title



Metric: # Instructors

Group: Course Title

always willing busy work

class discussions class fun

class time

course content

course material

due dates extra credit good teacher

good work great class

great teacher group work

little bit power points study guides

subject matter

teaching style



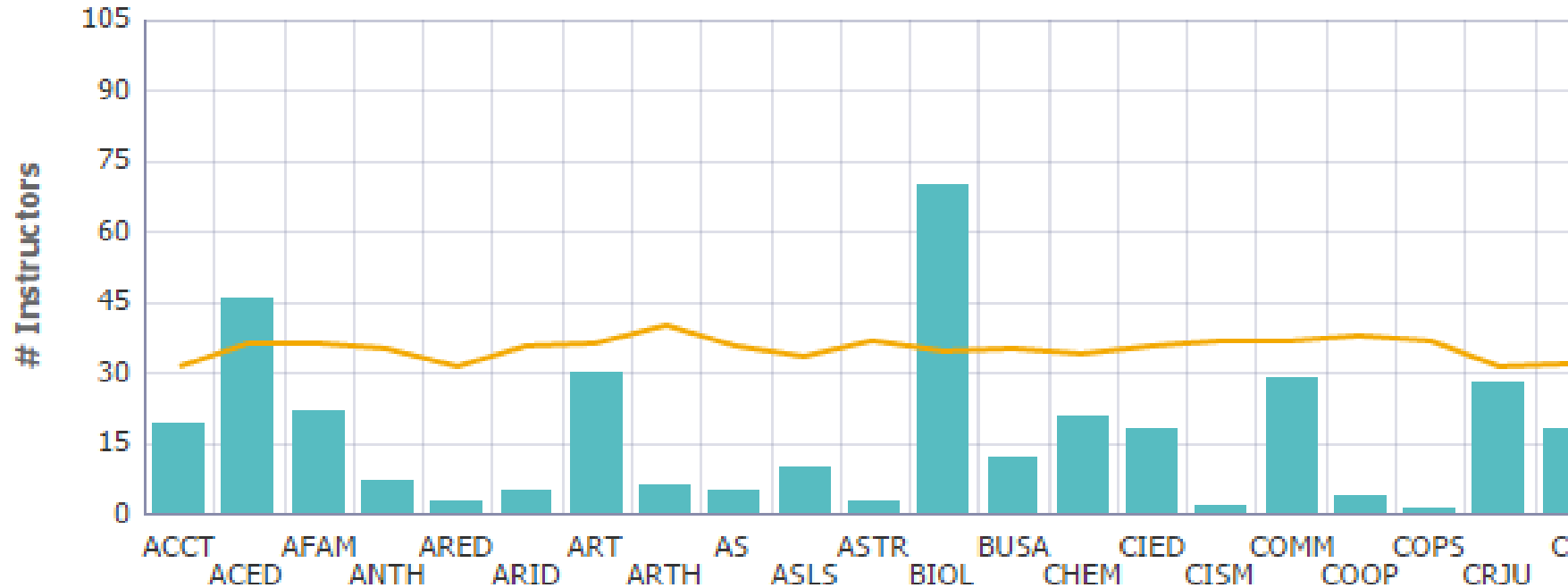
Explore Themes by Number of records



Sentiment

Chart

Instructors by Course Subject



Sort:

Page of 3

Contact Information

Andy T. Clark
**Vice President for Enrollment,
Marketing and Communication**
(229) 375-1713
atclark@valdosta.edu

Brian A. Haugabrook
Chief Information Officer
(229) 292-1910
bahaugab@valdosta.edu

