



INCISIVE **ANALYTICS**

*A Story of Three
Real BI Higher Ed Apps*

Moving The Needle

November 5, 2014

Clearwater, FL

Call us!

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Real Apps

- PITing: 96 Points
- Re'Tenting: Like You've Never Seen It
- Cohortion: Anchor and Cast

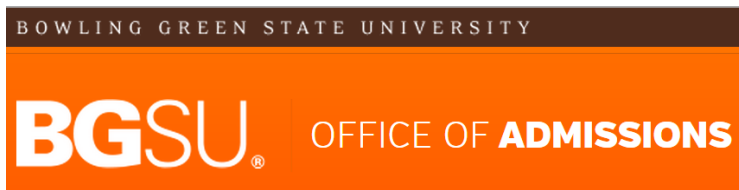
Really Deployed At...



SANTA CLARA UNIVERSITY
THE JESUIT UNIVERSITY IN SILICON VALLEY



Colorado's Jesuit University



NOTRE DAME
COLLEGE



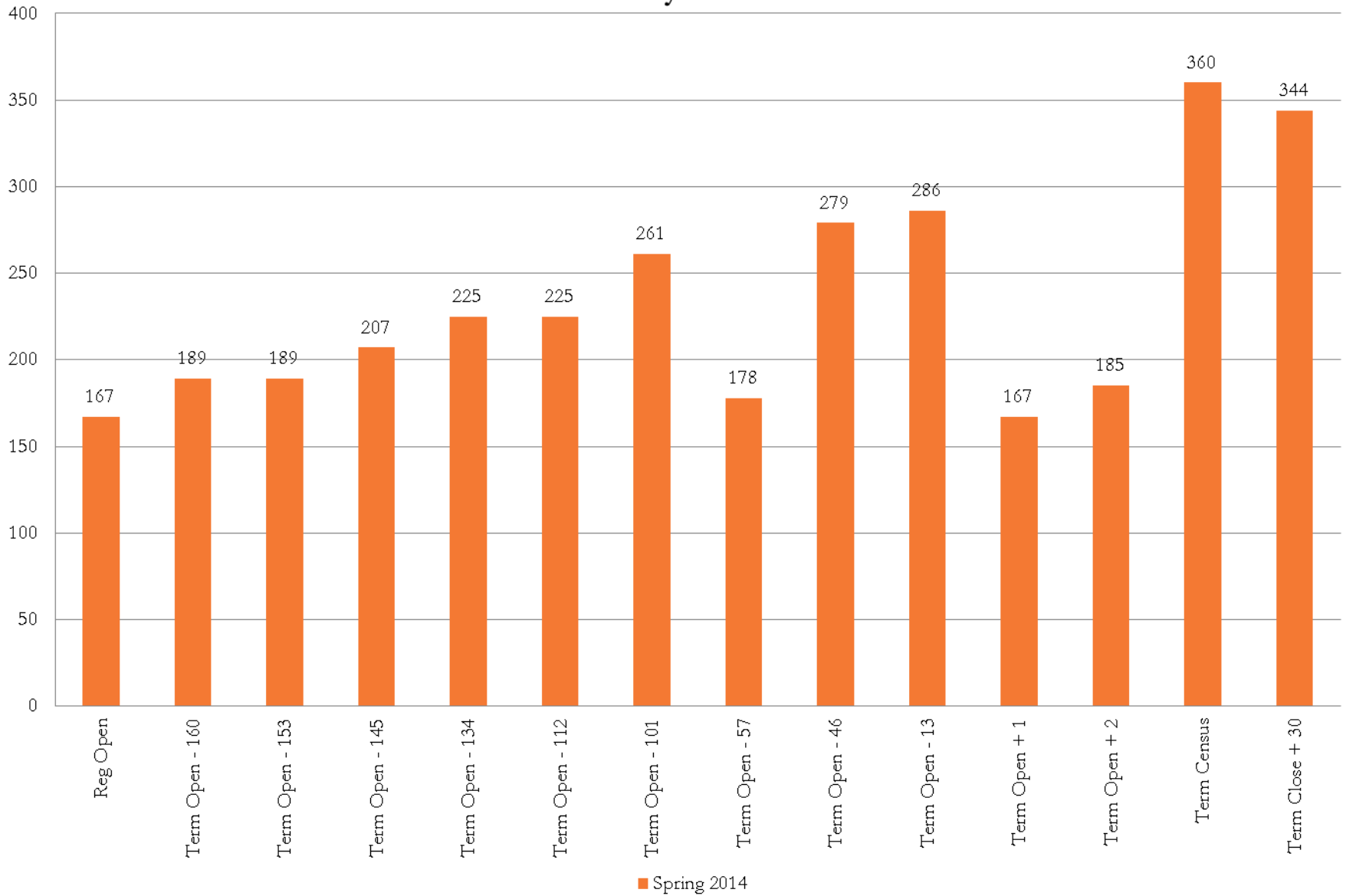
Point-In-Time

- Many, many points
- Not just census date
- Not just term open
- Not just term close

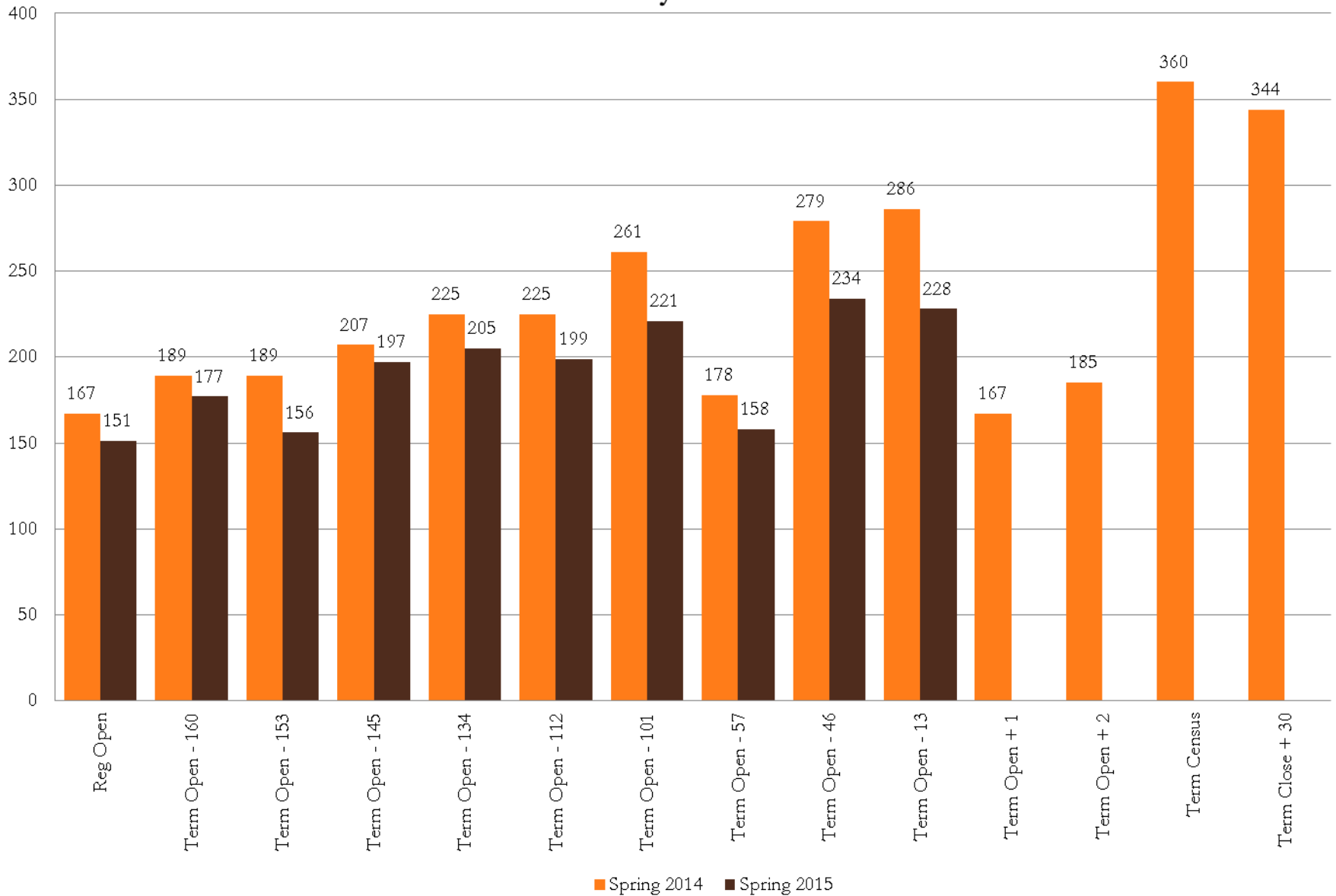
Point-In-Time (PIT)

- » Class registration volume in units, seats and headcount
- » Patterns and timing of class registration
- » Class mix
- » Cohort identification

BGSU Enrolled Credit Hours By PIT Date

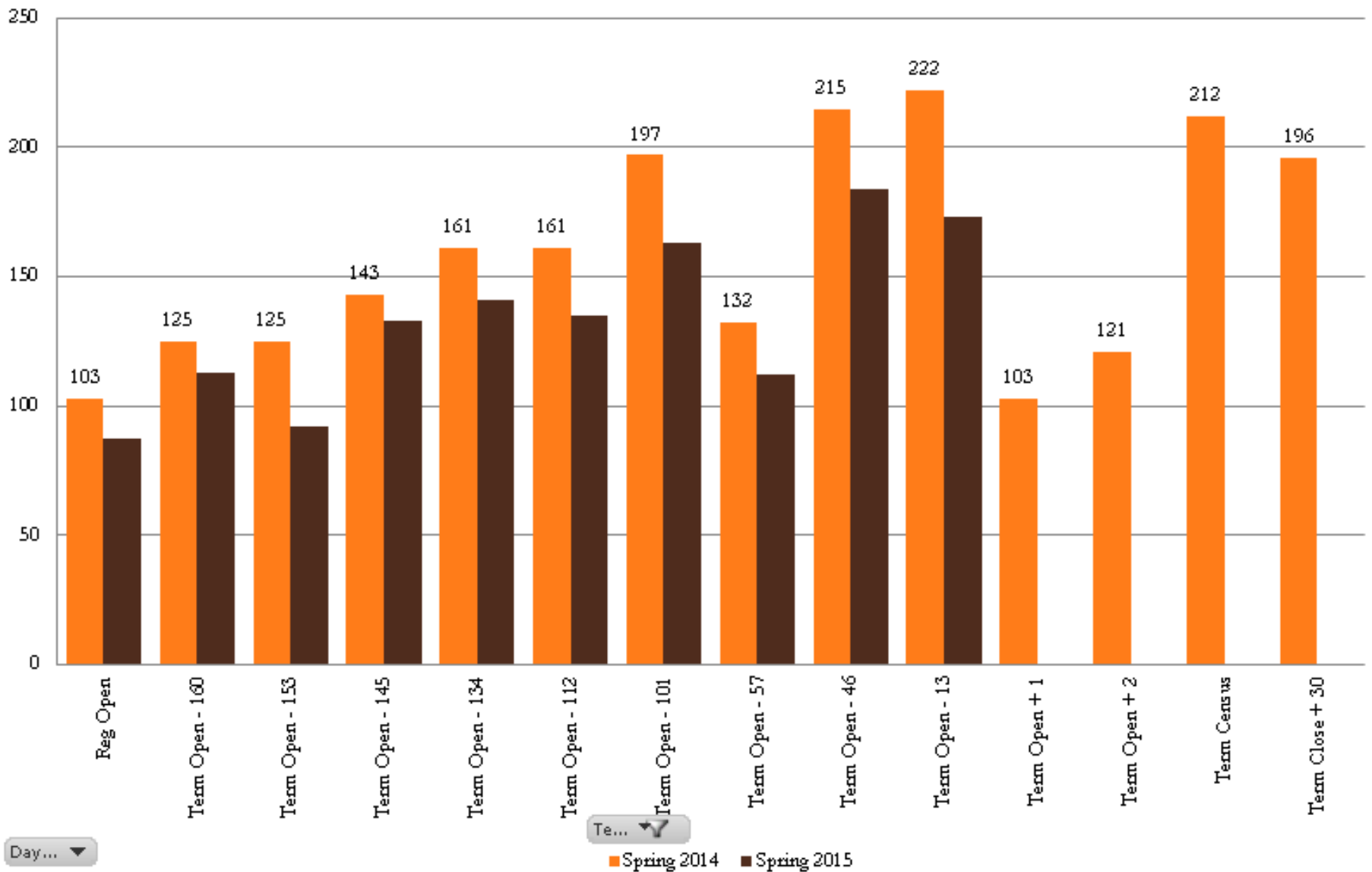


BGSU Enrolled Credit Hours By PIT Date



BGSU Enrolled Credit Hours By PIT Date School of Music

Sum of UN...

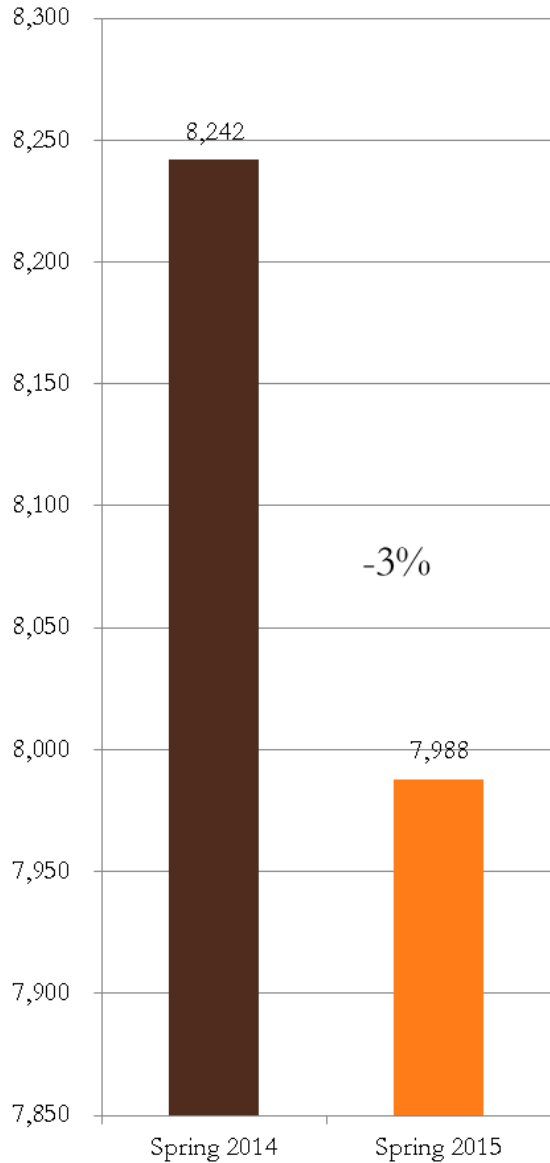


Day...

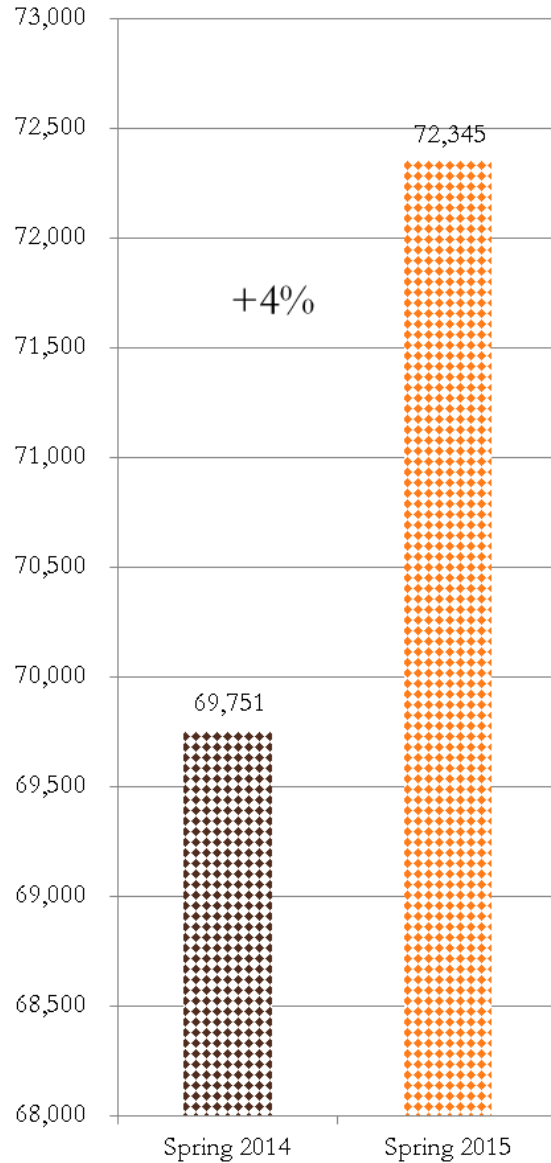
Te...

Spring 2014 Spring 2015

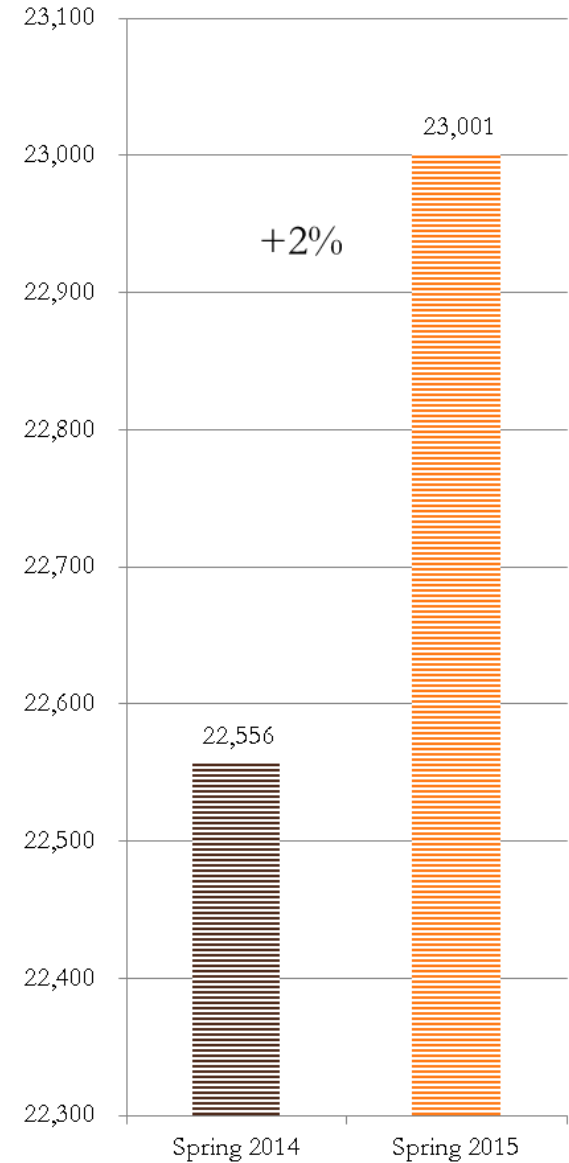
BGSU Main Campus Unduplicated Headcount



BGSU Main Campus Units Taken



BGSU Main Campus Seats Taken



Re'Tenting

- Not just the headcount retained
- But how is the student retained

Retention Approach

Measuring Retention

1. Comparing to previous term attended
2. Comparing to cohort term and without regard to where the student went
3. Comparing to cohort term and with regard to where the student went
4. Milestone achievement

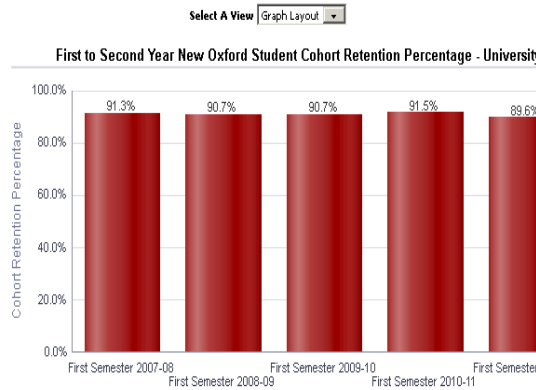
Retention Dashboards



Oxford Retention Home Catalog Favorites Dashboards New Open

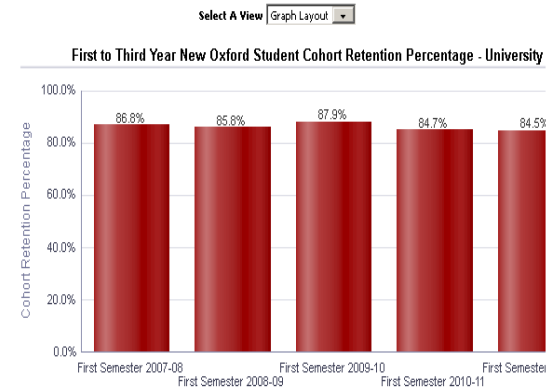
Summary **New** Transfer Semester to Semester Student Movement

The numbers presented are for internal use only and should not be shared outside of Miami University



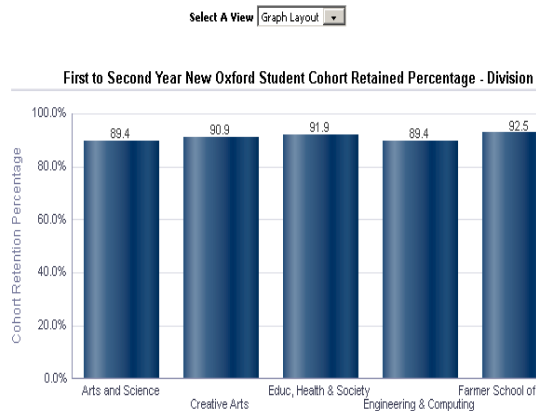
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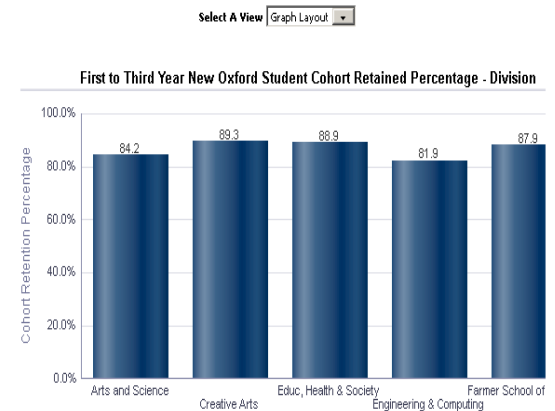


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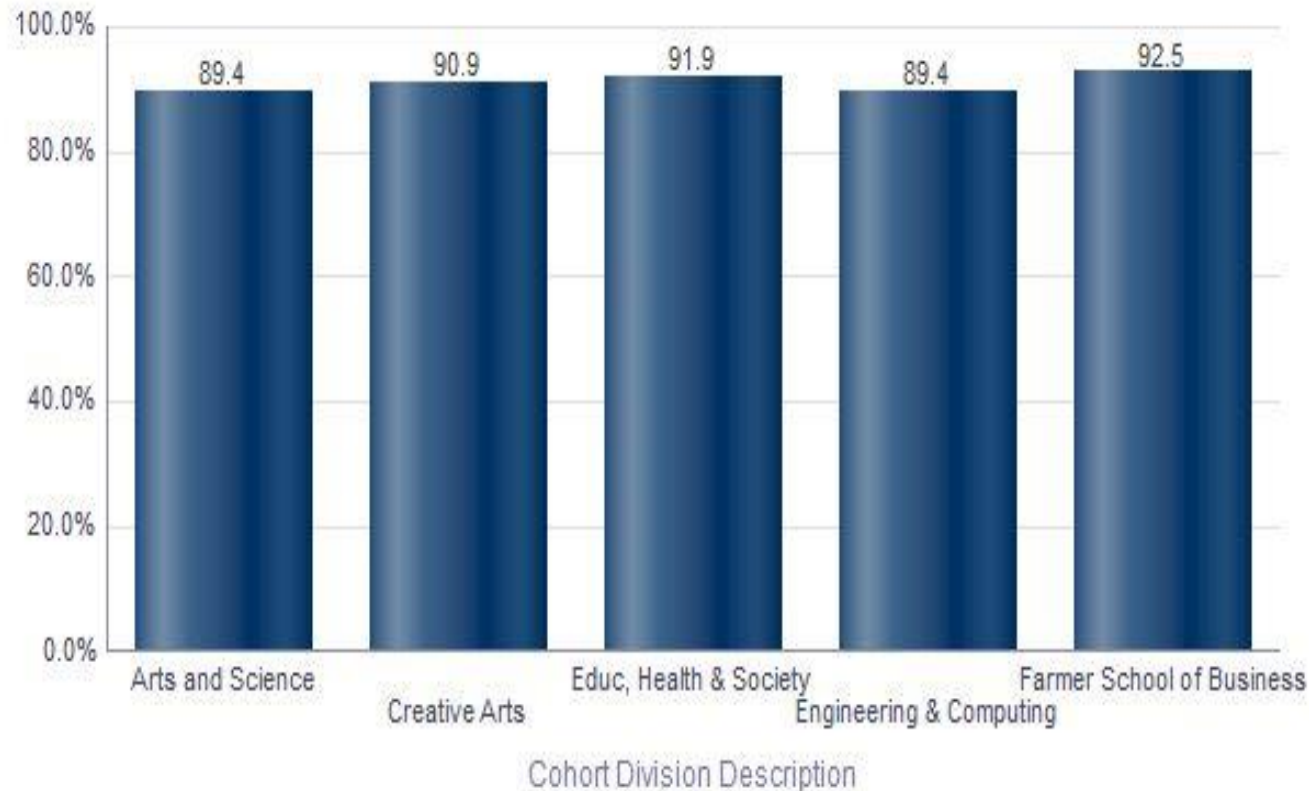
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Retention Dashboards



Select A View




First to Second Year New Oxford Student Cohort Retained Percentage - Division








Compound Layout


Title   
First to Third Year Student Cohort Retention Percentage for Regional Campus Transfer Students
 Excludes Students with Certificates.
 Time run: 4/16/2014 3:45:29 PM

Column Selector   
Please Select A Driver: Cohort Division Description

Pivot Table   

Cohort Semester Description	Cohort Division Description	CT Degree Type Desc	Cohort Base Count	Cohort Retention Count	Cohort Retention Percentage
First Semester 2008-09	Col of Educ, Health & Society	Bachelor	45	21	46.7%
	Col of Engineering & Computing	Associate	81	25	30.9%
		Bachelor	59	19	32.2%
	Col of Prof Studies & Appl Sci	Bachelor	6	3	50.0%
	College of Arts and Science	Associate	4	3	75.0%
		Bachelor	76	33	43.4%
	College of Creative Arts	Bachelor	11	7	63.6%
	Farmer School of Business	Associate	11	4	36.4%
Bachelor		34	16	47.1%	
First Semester 2009-10	Col of Educ, Health & Society	Associate	2	1	50.0%
		Bachelor	57	33	57.9%
	Col of Engineering & Computing	Associate	37	14	37.8%
		Bachelor	102	40	39.2%
	Col of Prof Studies & Appl Sci	Bachelor	25	9	36.0%
	College of Arts and Science	Associate	4	2	50.0%
		Bachelor	89	41	46.1%
	College of Creative Arts	Bachelor	9	7	77.8%
Farmer School of Business	Associate	10	7	70.0%	
	Bachelor	27	6	22.2%	
First Semester 2010-11	Col of Educ, Health & Society	Associate	1	0	0.0%
		Bachelor	58	28	48.3%
	Col of Engineering & Computing	Associate	11	3	27.3%
		Bachelor	133	48	36.1%
	Col of Prof Studies & Appl Sci	Bachelor	15	5	33.3%
College of Arts and Science	Associate	19	8	42.1%	

   Rows 1 - 25

Filters   

TM Term Code ends with **10**
and CT Semester Code ends with **10**
and CT Campus Group Desc is equal to **Hamilton, Middletown**
and CT Student Type Desc is equal to / is in **Transfer**
and CT Student Level Desc is equal to / is in **Undergraduate**
and Semester Seq Desc is equal to / is in **05 - Fifth Semester**
and CT Degree Type Desc is equal to **Associate, Bachelor**
and Rolling 5 Cohort Semesters (Regional)

[View](#)

Retention Approach

Measuring Retention

1. Comparing to previous term attended
2. Comparing to cohort term and without regard to where the student went
3. Comparing to cohort term and with regard to where the student went
4. Milestone achievement

1. Previous Term

- Enrollment (or Registration) Retained Headcount
- Financially Retained Headcount
- Successfully Academically Retained
- Completed Academically Retained
- Load Retained

2. Cohort Term and Without Regard

To Where the Student Went

- Cohort Campus Retained
- Previous Enrolled Term Campus Retained Headcount
- Cohort Student Arts & Sciences Retained Headcount

3. Cohort Term and With Regard

To Where the Student Went

- **Cohort Student Arts & Sciences** – Using the Cohort Student College, this is the most specific retention. It compares from where the student cohort major College started and also where the student’s “To Term” College major ended.

4. Milestone Achievement

- **Graduation Achieved** – Achieved far less frequently, milestone retentions can be measured about graduation.
- **Upper College Achieved** – Measurement of when the student moved from lower College to upper College.
- **Undergraduate to Graduate Achieved** – Measurement of when a student moved from a Your University undergraduate program to a Your University graduate program.

Cohortion

- Anchor
- Cast to every term and multiple times per term

Cohorts Being Tracked

Undergraduate and Graduate, All Campuses

- » Academic Career
- » Academic Level BOT
- » Academic Level Projected
- » Academic Load
- » Academic Plan
- » Academic Program
- » Academic Year
- » Admit Term
- » Admit Type
- » Campus
- » Cumulative GPA
- » Current Term GPA
- » Expected Graduation Term
- » FA Load
- » Matriculated Academic Program
- » Program Status
- » Requested Term
- » Residence Hall Building
- » Residence Hall Flag
- » Student Career Number
- » Term Begin Date
- » Total Grade Points
- » Units Transfer
- » First-Time, Full-Time
- » Cohort Term
- » Veteran Status
- » International Student

**BGSU
Firelands
Cohort Unduplicated Headcount**

Cohort	Fall 2011	Spring 2012	Summer 2012	Fall 2012	Spring 2013	Summer 2013	Fall 2013	Spring 2014
Fall 2011	701	589	251	429	386	205	317	305
Fall 2012				743	625	237	443	403
Fall 2013							818	676

Cohort	Fall 2011	Spring 2012	Summer 2012	Fall 2012	Spring 2013	Summer 2013	Fall 2013	Spring 2014
Fall 2011		84%	36%	61%	55%	29%	45%	44%
Fall 2012					84%	32%	60%	54%
Fall 2013								83%

BGSU Undergraduate Cohort Performance
Fall-to-Fall

Cohort	Unduplicated Headcount	<i>First Term</i>			<i>Third Term</i>				
		Average GPA	Average Units Taken	Average Classes Taken	Retained Headcount	Retained %	Average GPA	Average Units Taken	Average Classes Taken
Fall 2011	10,987	2.76	10.9	3.25	9,987	91%	2.89	11.25	3.75
Fall 2012	11,031	2.81	11.2	3.34	9,876	90%	2.97	11.58	3.86
Fall 2013	11,075	3.01	11.5	3.44	9,854	89%	3.05	11.92	3.97
Fall 2014	9,972	2.98	11.8	3.54	8,234	83%	3.14	12.27	4.08

BGSU Units Taken Student Plan School vs Class School

Units Taken	Div of Allied Health Sciences	School of Business	Sch of Humanities & Social Sci	Sch of Informatics & Computing	School of Business	School of Education	School of Public Health	School of Sciences	Grand Total
Advising Ctr for Explor Stdnts	-	-	-	-	-	-	-	-	3
Allied Health Graduate	27	-	-	-	-	-	-	-	27
Allied Health Undergraduate	1,217	-	940	-	87	6	-	1,013	3,267
Arts & Sciences Undergraduate	-	3	-	-	-	2	2	-	171
Biology	-	-	-	-	-	-	-	-	15
Business Undergraduate	8	48	1,364	-	1,756	3	-	594	3,802
Computer Science	-	-	-	-	-	-	-	-	6
Dental Aux Educ Undergraduate	-	-	-	-	-	-	-	-	34
Education Undergraduate	4	-	910	-	15	1,398	-	438	2,781
Health&Rehab Sci -Professional	-	-	-	-	-	-	-	-	15
Library & Info Sci Graduate	-	-	-	9	-	-	-	-	12
Nursing Undergraduate	167	-	1,336	-	18	21	-	1,543	5,169
Sciences Undergraduate	48	-	1,297	-	105	-	-	2,051	3,552
Social Work Undergraduate	-	-	3	-	-	-	-	-	22
Statewide Tech Ugrd Nondeg	-	-	15	-	-	-	-	-	59
Vis/Perf Arts Undergraduate	-	-	-	-	-	-	-	-	13
Grand Total	1,596	110	13,074	79	2,221	1,490	128	8,092	30,789

Call us!

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- 32 data warehouses
- 7 years in IR
- Many tools
- Lots of gray hair

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