



Even More (and more advanced) Fun with Data for Student Success

Department Chairs & Deans Retreat, August 21, 2017

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Matadors Rising: Recap of 2016-17

- Overview of MR 2016-17: Project outcomes
 - Retention and Graduation Specialists
 - Current Projections for F11/F13 FTF and F13/F15 FTT grad rates
 - Reenrollment
 - Data Champions
 - Qualitative Coding wrapping up
 - Chemistry 100
 - NSSE data and student experiences
 - Peer Mentors
 - Completion Grants

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Matadors Rising: Plans for 2017-18

- E-Learning interventions
- College-based FLCs
- Data Champions redux
- OSSI and Inclusive Pedagogy
- Peer Mentors and Freshsurvey
- Retention ChatBot?
- CTC Social Belonging Intervention and NSO

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Review: Data Workshop 1.0

- CSU Student Success dashboard
- CSUN Counts / CSUN by the Numbers

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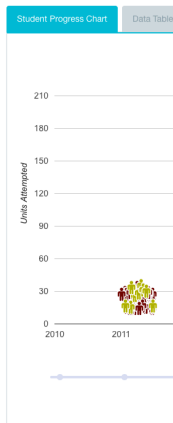
CSU Student Success dashboard

Step 1. Select Parameters: Northridge College of Social and Behavioral Science Psychology 2010 First-Time Full-Time Freshmen

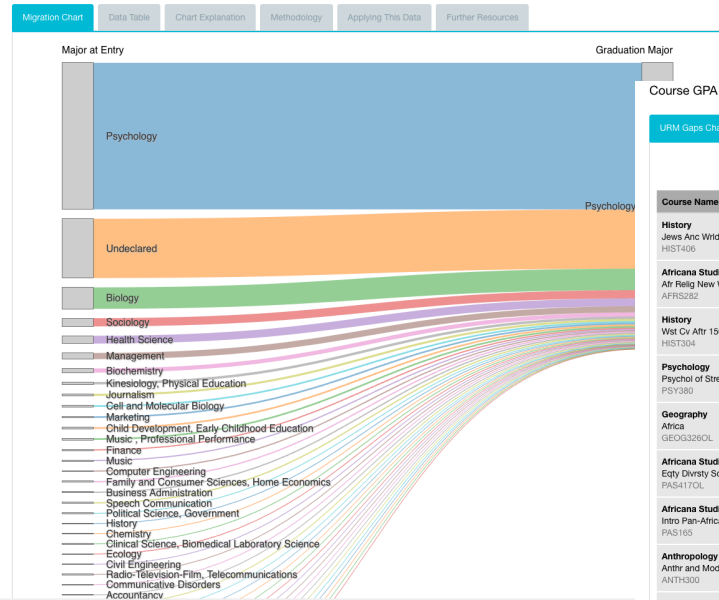
Step 2. Select Filters: Graduated Same Major Enrolled Same Major Dropped Out Same Major Graduated Different Major Enrolled Different Major Dropped Out Different Major

Step 3. Animate the Chart:

Degree Progress for All First-Time Full-Time Freshmen.



CSU Major Migration for all First-time Full-time Freshmen who Graduated in 2014, 2015, or 2016



< What Paths Do They Follow? >



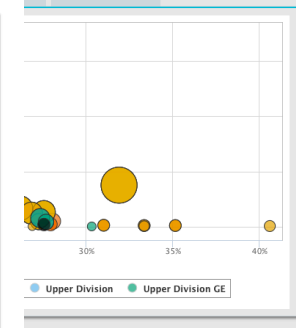
> Are There Achievement Gaps? >

Instructions: Hover mouse over bubbles to reveal the course information, Click on the legend to toggle series on and off, Click on the chart and drag your mouse to zoom in.

Opportunity: All Departments
 Northridge
 The following courses have the most students with non-passing grades for All Departments at Northridge campus:
 1. Amer Pol Inst (POLS155)
 2. Intro Sociology (SOC150)
 3. PRIN HUM BEHAVIOR (PSY150)

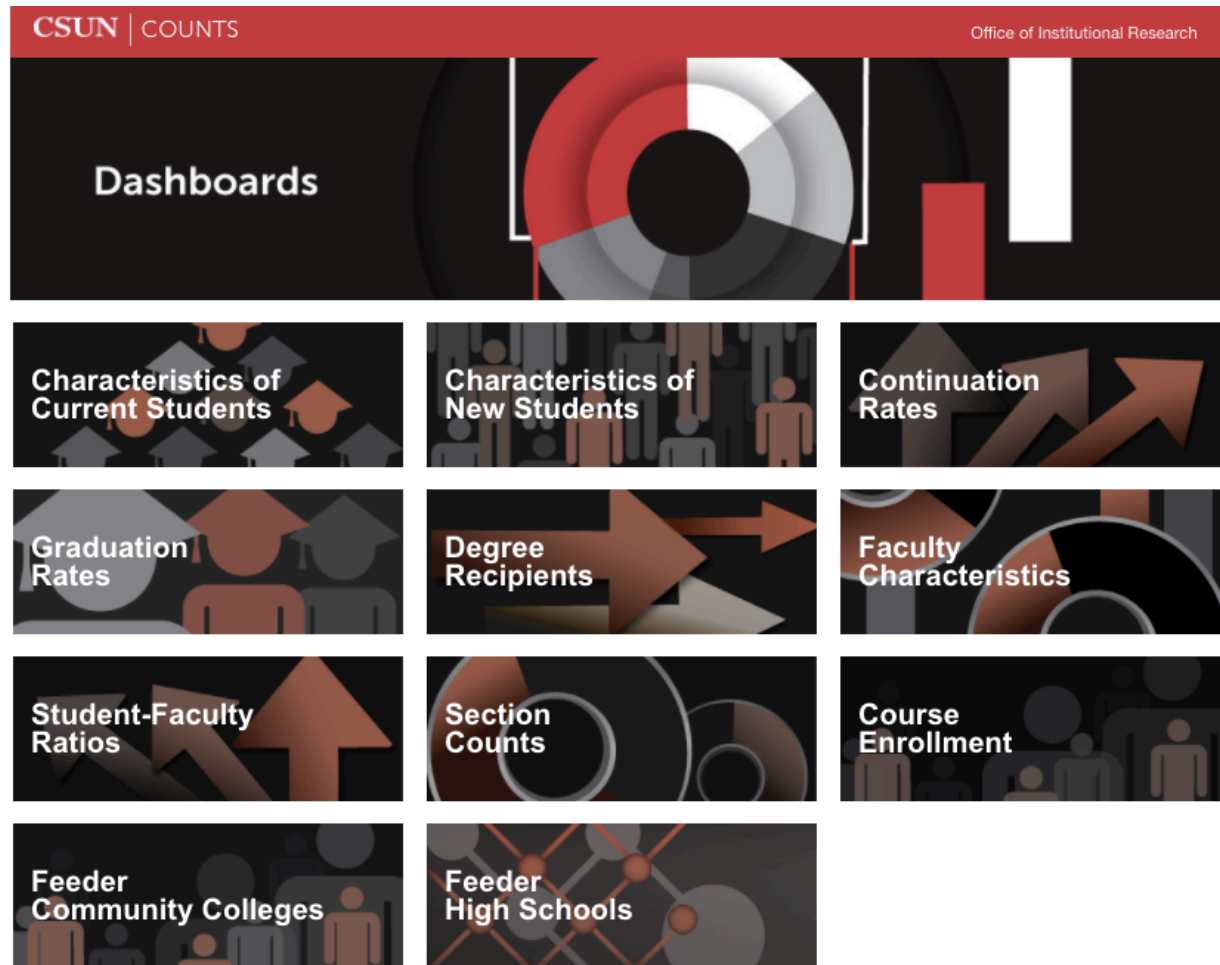
Course Grade Benchmarks for All Freshman, Transfer, and Graduate Students

URM Gaps Chart	Ethnicity Gap Chart	Data Tables	Chart Explanation	Methodology	Applying This Data	Further Resources
<p>< 1.5 D.F.W. 2.0 C 3.0 B 4.0 A</p>						
Course Name Code	Achievement Gaps					
History Jews Anc Wld HST406	1.17 Course GPA Gap 28 Students					
Africana Studies Af Relig New Wld AFRS282	1.16 Course GPA Gap 36 Students					
History Wld Civ Attr 1500 HST304	1.10 Course GPA Gap 47 Students					
Psychology Psychol of Stress PSY380	0.98 Course GPA Gap 73 Students					
Geography Africa GEO3260L	0.92 Course GPA Gap 63 Students					
Africana Studies Egy Diversy Sch PAS4170L	0.91 Course GPA Gap 105 Students					
Africana Studies Intro Pan-African PAS165	0.91 Course GPA Gap 73 Students					
Anthropology Arthr and Mod World ANTH300	0.88 Course GPA Gap 33 Students					
Geography Hydroclimatology GEO414	0.86 Course GPA Gap 37 Students					
Anthropology Old World Arch ANTH426	0.83 Course GPA Gap 24 Students					



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CSUN Counts



Review: Data Workshop 1.0

- CSU Student Success dashboard
- CSUN Counts / CSUN by the Numbers
- 2016-17:
 - College Administrative Councils
 - Data Champions
 - Assistant Professors
 - Graduation/Retention Specialists
 - Academic Affairs Central Administration
- 2017-18:
 - Refresher sessions with Kristy & Janet – early Fall

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New: Data Workshop 2.0

- New CSUN Counts tools!

New CSUN Counts tools!

- Customizable CSUN Counts dashboards

Undergraduate Students

Start by selecting what you want to see on rows and columns

Row Display: Ethnicity Column Display: Gender

Next, narrow things down

Year

(Multiple values)

College

(All)

Department

(All)

Ethnicity Group

(All)

Ethnicity

(All)

Pell Grant

(All)

Attendance Status

(All)

Class Level

(All)

Age at Entry

(All)

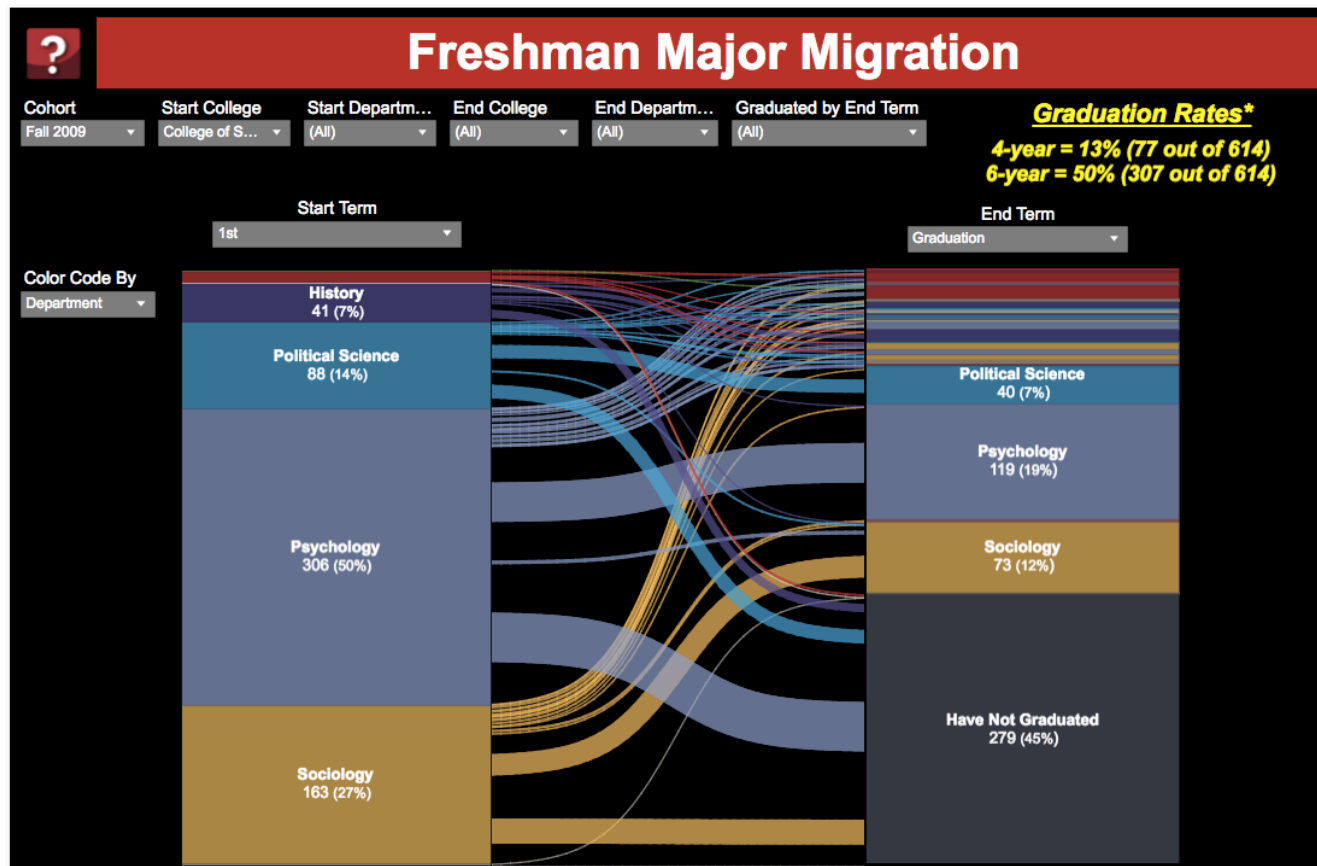
All Undergraduate Students by Ethnicity and Gender

Click the "+" by "CSUN" to expand to Colleges and Departments, or use the filters to narrow things down

		Year / Column Selection									
		2012		2013		2014		2015		2016	
		Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
CSUN	African American	1,279 4.11%	760 2.44%	1,309 3.92%	781 2.34%	1,221 3.47%	766 2.18%	1,149 3.11%	761 2.06%	1,005 2.83%	694 1.95%
	American Indian	32 0.10%	27 0.09%	31 0.09%	25 0.07%	27 0.08%	27 0.08%	28 0.08%	23 0.06%	21 0.06%	22 0.06%
	Asian American	1,749 5.62%	1,846 5.93%	1,847 5.53%	2,001 5.99%	1,939 5.51%	2,128 6.04%	2,039 5.52%	2,255 6.11%	1,892 5.32%	2,157 6.07%
	Latino	7,143 22.95%	4,970 15.97%	8,312 24.89%	5,753 17.23%	9,122 25.91%	6,400 18.18%	9,940 26.93%	7,212 19.54%	10,060 28.30%	7,171 20.17%
	Multi_Race/Other	539 1.73%	408 1.31%	635 1.90%	482 1.44%	690 1.96%	479 1.36%	704 1.91%	513 1.39%	658 1.85%	534 1.50%
	Pacific Islander	49 0.16%	53 0.17%	42 0.13%	45 0.13%	35 0.10%	38 0.11%	17 0.05%	16 0.04%	21 0.06%	18 0.05%
	Unknown	1,142 3.67%	974 3.13%	977 2.93%	900 2.69%	880 2.50%	927 2.63%	874 2.37%	851 2.31%	771 2.17%	795 2.24%
	White	4,535 14.57%	4,050 13.01%	4,481 13.42%	4,063 12.17%	4,539 12.89%	4,009 11.39%	4,423 11.98%	3,964 10.74%	4,080 11.48%	3,721 10.47%
	International	555 1.78%	1,008 3.24%	571 1.71%	1,143 3.42%	623 1.77%	1,356 3.85%	677 1.83%	1,471 3.98%	660 1.86%	1,272 3.58%
	Total	17,023 54.70%	14,096 45.30%	18,205 54.51%	15,193 45.49%	19,076 54.18%	16,130 45.82%	19,851 53.77%	17,066 46.23%	19,168 53.92%	16,384 46.08%

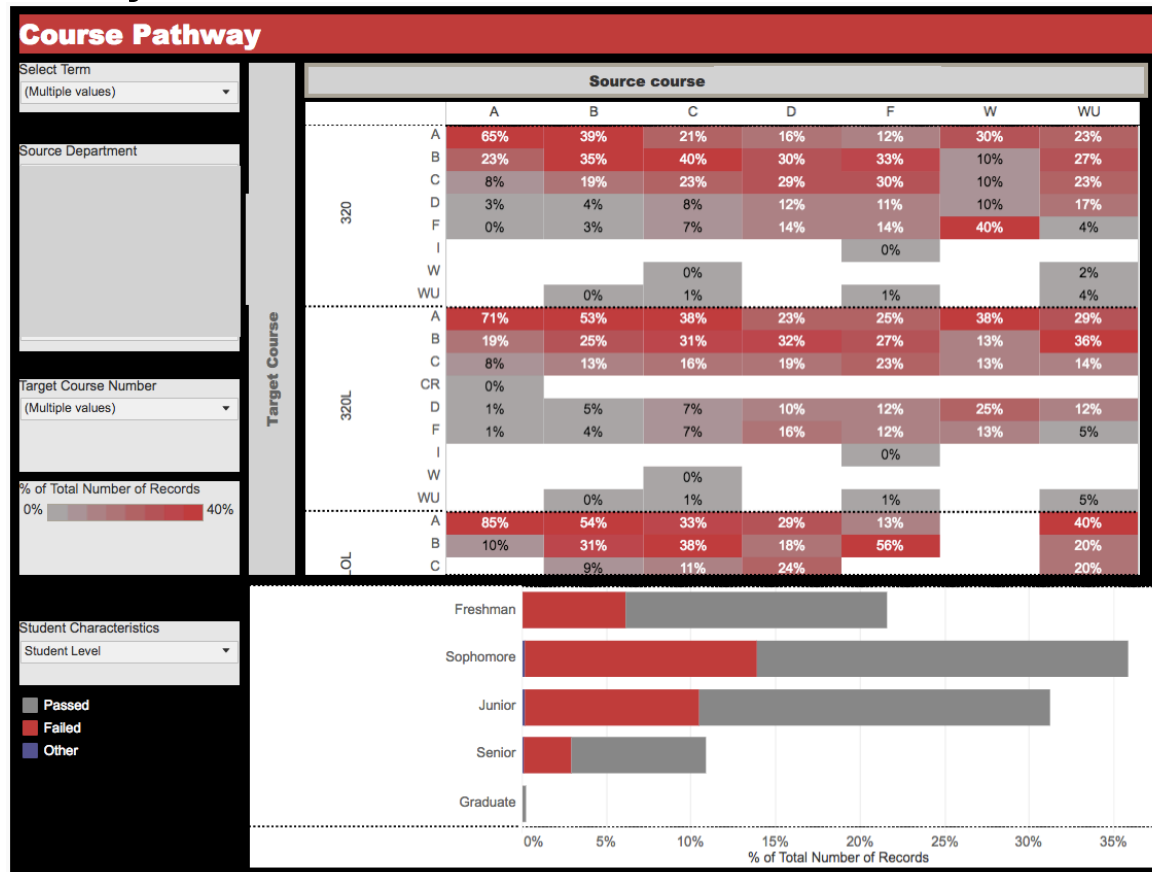
New CSUN Counts tools!

- Freshman major migration



New CSUN Counts tools!

- Course pathways



New CSUN Counts tools!

- Grade distribution (Deans, ADs, and dept chairs only)

ByCourse | ByInstructor | By Term | ByHigh DFU

Grade Distribution Dashboard

Term: Fall 2016 | College Name: [Redacted] | Department: [Redacted] | Catalog Nbr: (All) | Legend: 0.0% - 40.0%

CSUN Grade Distribution by Course

College of [Redacted] | Fall 2016

Subj..	Course Level	Cata..	Descr	Instructor	En..	U..	Sum..	DFU %	A	A-	B+	B	B-	C+	C	C-	D+	Grad
79	3	2.86	13.9%						20	15	7	5	5	7	1	5	2	
									25.3%	19.0%	8.9%	6.3%	6.3%	8.9%	1.3%	6.3%	2.5%	
62	3	2.88	9.7%						14	4	4	16	7	1	4	2	1	
									22.6%	6.5%	6.5%	25.8%	11.3%	1.6%	6.5%	3.2%	1.6%	
82	3	2.90	7.3%						18	5	6	20	7	5	6	2		
									22.0%	6.1%	7.3%	24.4%	8.5%	6.1%	7.3%	2.4%		
62	3	3.62	3.2%						33	13	9	3	2					
									53.2%	21.0%	14.5%	4.8%	3.2%					
97	3	2.49	17.5%						18	8	6	11	4	4	24	4	3	
									18.6%	8.2%	6.2%	11.3%	4.1%	4.1%	24.7%	4.1%	3.1%	
132	3	2.28	20.5%						19	4	11	10	4	11	36	10	6	
									14.4%	3.0%	8.3%	7.6%	3.0%	8.3%	27.3%	7.6%	4.5%	
72	3	2.92	6.9%						22	1		24			14			
									30.6%	1.4%		33.3%			19.4%			
183	3	2.78	14.2%						60			61			36			
									32.8%			33.3%			19.7%			
62	3	2.34	6.5%						3	2	1	14	6	1	28	2		
									4.8%	3.2%	1.6%	22.6%	9.7%	1.6%	45.2%	3.2%		
80	3	2.80	0.0%						11	2	6	25	3	6	23	1		
									13.8%	2.5%	7.5%	31.3%	3.8%	7.5%	28.8%	1.3%		
82	3	2.85	3.7%						15	10	2	18	6	4	18	2		
									18.3%	12.2%	2.4%	22.0%	7.3%	4.9%	22.0%	2.4%		
76	3	2.81	11.0%						17	8	3	16	7	1	6	2		

New: Data Workshop 2.0

- New CSUN Counts tools!
- Donuts & Data!
 - Wednesday, Aug 23, 11am-noon, EU 375
 - Thursday, Aug 24, 2-3pm, UN 277
 - RSVP to sabrina.rife@csun.edu
- Data Workshops 2.0
 - Admin Councils
 - drop-in workshops



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Sneak peek: Example student success question

- Example: Psychology curriculum
 - Assumed bottleneck: PSY 320/L (Psy Statistics)
 - Good predictor of grade in next course (PSY 321/L) (*Course Pathway dashboard*)

		Source course Psychology 320									
		A	B	C	D	F	I	NC	W	WU	
321	A	54%	22%	10%	5%	7%	100%		20%	30%	
	B	37%	49%	41%	34%	41%		100%	40%	20%	
	C	7%	22%	36%	46%	32%			20%	40%	
	D	1%	4%	8%	6%	7%			10%		
	F	1%	2%	4%	9%	9%			10%	10%	
	NC			0%							
	W	0%	0%	1%	0%	2%					
	WU	0%	0%	0%	1%	1%					

Sneak peek: Example student success question

- Example: Psychology curriculum
 - Assumed bottleneck: PSY 320/L (Psy Statistics)
 - Good predictor of grade in next course (PSY 321/L) (*Course Pathway dashboard*)
 - DFU rate: 12% (*CSU dashboard; Grade Distribution dashboard*)
 - DFU rate among Psych majors: 13.6% (*Course Impact dashboard*)
 - 6 year graduation rate of majors in PSY 320/L: 81– 87% (*Course Impact dashboard*)
 - Overall Psych grad rate: 51.8% (*CSUN Counts public*)
 - Prerequisite for PSY 320/L: MATH 140

Sneak peek: Example student success question

- Example: Psychology curriculum
 - Assumed bottleneck: PSY 320/L (Psy Statistics)
 - Prerequisite for PSY 320/L: MATH 140
 - Good predictor of grade in PSY 320/L (*Course Pathway dashboard*)

		Source course Mathematics 140							
		A	B	C	D	F	W	WU	
Target Course Psychology	320	A	65%	39%	21%	16%	12%	30%	23%
		B	23%	35%	40%	30%	33%	10%	27%
		C	8%	19%	23%	29%	30%	10%	23%
		D	3%	4%	8%	12%	11%	10%	17%
		F	0%	3%	7%	14%	14%	40%	4%
		I					0%		
		W			0%				2%
		WU		0%	1%		1%		4%

Sneak peek: Example student success question

- Example: Psychology curriculum
 - Assumed bottleneck: PSY 320/L (Psy Statistics)
 - Prerequisite for PSY 320/L: MATH 140
 - Good predictor of grade in PSY 320/L (*Course Pathway dashboard*)
 - DFU rate: 34% (*CSU dashboard; Grade distribution dashboard*)
 - DFU rate for Psych majors: 41% (*Course Impact dashboard*)
- **Curricular change in Fall 2015**
 - DFU rate for Psych majors (*Course Impact dashboard*)
 - Fall 2014: 38.7%
 - Fall 2015: 24.4%

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Discussion and Questions

- Because we need your input!
 - What kinds of questions do you want to ask about student success?
 - What data do you need?
 - What don't you know?
 - What do your faculty ask about?
- How do we get faculty buy-in?
- We Can Do This!

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