



# Tableau Dashboards “The Game Changer”

## Data-Driven Decision-Making Culture at Fresno State

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# The Game Changer

- University-wide Tableau dashboard services.
- OIE added dashboard services to its menu of services.
  - Transform the data use environment to self-service of data needs.
  - Improve work life of staff with interactive dashboards.
- Dashboard and self-service idea caught on quickly, and still growing.

# Managing the Game Plan

- Enable data-driven decision making culture to grow.
- To bring down, reduce, or eliminate silos.
- Build a client-centered, service-oriented OIE.
- Build relationships, reach out.
- Build OIE capacity.
- Build collaboration.

# Results

- Staff “own” their data, become better employees.
- Clients begin to offer great ideas and solving other problems!
- Enables collaboration with other offices and data experts.
- Helps to bring down the “silo” environment.
- Relationships and communications improve.
- Collective imagination grows.

# When There's Time to Think, Ideas and Opportunities Appear

- OIE Faculty Fellows
- Tableau Power Users
- Relationships with CSU campuses
- Relationships with “feeder” public schools and community colleges.

# Let's look at some dashboards

<http://www.fresnostate.edu/academics/oie/>



## Tableau Dashboards and the College of Social Sciences Identifying and Assisting Students to Timely Degree Completion

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# Historic Census Data

Comparison to the historic census data

Breakdown by Student Characteristics	FTES			HC			Unit Load		
	Census		Current	Census		Current	Census		Current
	Spring 2015	Spring 2016	Spring 2017	Spring 2015	Spring 2016	Spring 2017	Spring 2015	Spring 2016	Spring 2017
<b>Grand Total</b>	<b>2,252</b>	<b>2,327</b>	<b>2,376</b>	<b>2,532</b>	<b>2,633</b>	<b>2,645</b>	<b>13.3</b>	<b>13.2</b>	<b>13.4</b>
COSS	2,252	2,327	2,376	2,532	2,633	2,645	13.3	13.2	13.4

Note: Current data as of 2/7/2017

Term  
Multiple values

Course College  
All

Course Department  
All

GE Area  
All

Major College  
COSS

Major Department  
All

Select Breakdown Option  
Major College

Course	Count of Enrolled Students			% Enroll. Capacity			Count of Sections		
	Census		Current	Census		Current	Census		Current
	Spring 2015	Spring 2016	Spring 2017	Spring 2015	Spring 2016	Spring 2017	Spring 2015	Spring 2016	Spring 2017
CRIM 2	135	129	110	100.0%	101.0%	97.9%	4	4	4
CRIM 10	47	49	46	97.3%	97.9%	99.3%	3	3	3
CRIM 20	191	169	152	99.6%	95.1%	99.5%	5	5	5
CRIM 50	192	176	246	98.0%	101.7%	100.8%	6	5	7
CRIM 100	232	247	231	97.5%	98.9%	100.0%	6	6	6
CRIM 101	18	11	23	97.9%	96.7%	98.6%	3	2	3
CRIM 102	135	148	136	98.6%	91.0%	100.7%	3	4	3
CRIM 108	35	52	51	90.0%	88.3%	83.9%	1	1	1
CRIM 109	131	123	144	93.1%	87.7%	100.7%	3	3	3
CRIM 110	45	46	46	97.9%	102.1%	100.0%	1	1	1
CRIM 112	192	190	191	88.9%	99.5%	100.0%	5	4	4
CRIM 113	139	162	142	100.0%	98.8%	101.4%	3	4	3
CRIM 114	48	38	44	98.1%	97.7%	109.3%	1	1	1
CRIM 117	238	240	187	89.0%	95.0%	101.5%	7	6	4
CRIM 118	49	54	48	100.0%	108.0%	102.1%	1	1	1
CRIM 119	38	48	44	87.0%	100.0%	97.9%	1	1	1
CRIM 120	148	150	166	99.3%	99.3%	99.3%	9	9	10
CRIM 126	18	14	16	95.2%	85.7%	95.2%	1	1	1
CRIM 127	183	192	204	98.4%	102.0%	98.2%	4	4	5
CRIM 131	35	37	37	90.0%	95.0%	97.5%	1	1	1
CRIM 133	44	44	45	102.3%	102.3%	107.0%	1	1	1
CRIM 134	87	90	84	99.0%	98.0%	100.0%	2	2	2
CRIM 135	43	44	46	102.3%	104.7%	107.0%	1	1	1
CRIM 136T	12	11	9	37.0%	39.6%	47.9%	1	1	1
CRIM 140	75	70	73	98.9%	101.0%	102.0%	2	2	2
CRIM 141	69	77	75	94.0%	100.0%	101.0%	2	2	2
CRIM 153	166	136	165	98.6%	98.4%	100.4%	8	9	11
CRIM 154	88	89	80	96.0%	98.0%	101.1%	2	2	2
CRIM 155	42	39	46	97.9%	97.9%	106.5%	1	1	1
CRIM 160H	25	18	11	69.4%	41.9%	27.9%	1	1	1
CRIM 160T			22			93.3%			1
CRIM 170	282	238	315	89.5%	88.4%	99.4%	8	6	7
CRIM 173	18	40	43	37.5%	100.0%	100.0%	1	1	1
CRIM 174	128	125	138	94.1%	98.6%	105.1%	3	3	3
CRIM 175	72	78	88	96.9%	102.1%	102.1%	2	2	2



# Course History

Student Level	Total Enrolled	Previously Failed	Previously Passed	Total Failed or not Taking	Total Failed or not Taking (%)
Junior Continuing	194	7	17	163	84%
Junior Transfer	75	0	0	74	99%
Senior Continuing	262	24	133	77	27%
Senior Transfer	9	0	0	9	100%

- Click on any number above and a list of students will be generated with the student's ID, name, preferred e-mail, and phone number.
- Students can be contacted for advising purposes.

# Grade Distribution by Course

		A	B	C	D	F	WU	I	W	CR	NC	RP
1	Fall 2016							11.60%	0.40%	83.90%	4.00%	
2	Fall 2016	21.40%	43.10%	19.10%	7.70%	6.70%	1.70%		0.30%			
10	Fall 2016	23.60%	32.70%	26.40%	7.30%	10.00%						
20	Fall 2016	17.00%	42.10%	25.50%	10.00%	5.20%			0.40%			
50	Fall 2016	28.70%	39.80%	20.40%	2.80%	7.20%			1.10%			
100	Fall 2016	23.70%	42.70%	22.30%	6.00%	4.70%			0.70%			
101	Fall 2016	13.70%	39.70%	36.60%	5.30%	4.60%						
102	Fall 2016	23.20%	41.10%	28.60%	3.20%	3.20%		0.50%				
109	Fall 2016	30.80%	39.60%	21.30%	3.80%	3.80%	0.40%	0.40%				
112	Fall 2016	28.30%	42.80%	18.40%	4.60%	5.90%						
117	Fall 2016	48.30%	16.80%	27.50%	5.40%	2.00%						
120	Fall 2016	42.60%	37.40%	13.10%	1.90%	3.90%	0.60%			0.40%		
127	Fall 2016	25.20%	41.40%	27.00%	2.70%	3.60%						
153	Fall 2016	33.80%	30.40%	17.90%	7.80%	8.90%		0.20%	0.40%	0.60%		
154	Fall 2016	27.10%	43.80%	22.90%	2.10%	4.20%						
155	Fall 2016	20.80%	22.90%	22.90%	27.10%	4.20%	2.10%					

- Click on any course above and grade distribution will display of passing and non-passing grades by student level.
- Data can be used for course scheduling and advising purposes.
- Data are available on student demographics.

# Aggregate Data

## Grade Distribution by Course

	Fail Rate (D, F, WU, NC)	GPA	Pass Rate (C or Higher)	N
1	4.60%		95.40%	224
2	16.10%	2.62	83.90%	299
10	17.30%	2.53	82.70%	110
20	15.20%	2.56	84.80%	271
50	10.10%	2.81	89.90%	181
100	10.70%	2.75	89.30%	300
101	9.90%	2.53	90.10%	131
102	6.50%	2.78	93.50%	185
109	7.90%	2.9	92.10%	240
112	10.50%	2.83	89.50%	152
117	7.40%	3.04	92.60%	149
120	6.50%	3.12	93.50%	465
127	6.30%	2.82	93.70%	111
153	16.80%	2.73	83.20%	497
154	6.30%	2.88	93.80%	48
155	33.30%	2.25	66.70%	48

- Click on any course above and grade distribution will display of passing and non-passing grades by student level.
- Data can be used for course scheduling and advising purposes.
- Data are available on student demographics.

# At-Risk Students (First Generation and Pell Recipients)

Cohort	Year/Term	Student ID	Name	E-mail	Starting Major	Ending Major	Fall 2016 Cum GPA	Fall 2016 Cum Units
Fall 2011	Year 6 Term 1				Undeclared UGRD	Sociology	1.82	56
Fall 2011	Year 6 Term 1				Liberal Studies-Blended Pgm	Sociology	1.82	87
Fall 2011	Year 6 Term 1				Social Work	Sociology	2.25	98
Fall 2011	Year 6 Term 1				* Pre-Physical Therapy	Sociology	2.33	114
Fall 2011	Year 6 Term 1				Comm Disorders - Deaf Educatin	Sociology	2.57	113
Fall 2011	Year 6 Term 1				Theatre Arts - Acting	Sociology	2.52	115
Fall 2011	Year 6 Term 1				Pre-Psychology	Sociology	2.6	115
Fall 2011	Year 6 Term 1				Undeclared UGRD	Sociology	2.93	113
Fall 2011	Year 6 Term 1				Child Development	Sociology	2.29	124

# Status Toward Graduating in 4 or 6 Years (0-49%)

Acad Plan Descr	Cum. Gpa	Cum. Units	Day of MaxRunDate	Degree Status	Email	Emplid	Prob of 4yr Graduation	Prob of 6yr Graduati on	Student Name	Term Units	Indicator of 6yr Graduation	Indicator of 4yr Graduation
History	1	6	8-Feb-17				0 to 24%	0 to 24%		14	1	1
History	2	9	8-Feb-17				0 to 24%	25 to 49%		12	1	1
History	2	9	8-Feb-17				0 to 24%	25 to 49%		14	1	1
History	2.05	65	8-Feb-17				0 to 24%	25 to 49%		12	1	1
History	2.08	27	8-Feb-17				0 to 24%	25 to 49%		9	1	1
History	2.1	44	8-Feb-17				0 to 24%	25 to 49%		12	1	1
History	2.31	16	8-Feb-17				0 to 24%	25 to 49%		13	1	1
History	2.36	56	8-Feb-17				0 to 24%	25 to 49%		9	1	1
History	2.37	67	8-Feb-17				0 to 24%	0 to 24%		12	1	1
History	2.37	79	8-Feb-17				Unknown	25 to 49%		12	1	1
History	2.43	17	8-Feb-17				0 to 24%	25 to 49%		15	1	1
History	2.49	85	8-Feb-17				0 to 24%	0 to 24%		6	1	1
History	2.63	27	8-Feb-17				0 to 24%	0 to 24%		14	1	1
History	2.88	68	8-Feb-17				Unknown	25 to 49%		12	1	1
History	3.02	98	8-Feb-17				75% or more			15	1	1

# Status Toward Graduating in 4 or 6 Years (50+%)

Acad Plan Descr	Cum. Gpa	Cum. Units	Day of MaxRunDate	Degree Status	Email	Emplid	Prob of 4yr Graduation	Prob of 6yr Graduation	Student Name	Term Units	Indicator of 6yr Graduation	Indicator of 4yr Graduation
Crim-Law Enforcement	2.08	98	8-Feb-17				50 to 74%	75% or more		12	1	1
Crim-Law Enforcement	2.11	91	8-Feb-17				50 to 74%	75% or more		15	1	1
Crim-Law Enforcement	2.89	108	8-Feb-17	Denied			0 to 24%	75% or more		6	1	1
Crim-Law Enforcement	2.92	118	8-Feb-17	In Review			0 to 24%	75% or more		12	1	1
Crim-Law Enforcement	3.1	137	8-Feb-17	Pending			0 to 24%	75% or more		14	1	1
Crim-Law Enforcement	3.31	104	8-Feb-17	Applied			0 to 24%	75% or more		21	1	1



# Q & A