Data, Oata Elegyus

Welcome and thank you for attending the 2018 Online Teaching Conference!

Please help us improve your conference experience by...

Rating and reviewing our sessions and speakers within our OTC
 Mobile Event App after each session you attend.

AND

Taking our online surveys at the conclusion of the conference.

Survey links are available at:

onlineteachingconference.org/evaluations



21,394

Data, Data Everywhere... OTC 2018

tinyurl.com/OTC18data

Jim Julius, Ed.D.

Faculty Director, Online Education MiraCosta College

25,46	7 17	9,852,34	43	166,051	293	3,488	16,617, გ	23	
12	4,926	85,619	98	114	1,348,62	2 9,3	08 16.00	5,61	
							7.49	550	25.32

Lisa Beach, MBA, M.Ed.

Lisa Beach, MBA, M.Ed.

Director of Distance Education

Director of Distance College

73,1,14

695

88,936

7311,095

4 2

Santa Rosa Junior

Santa Rosa Junior

Santa Rosa Junior

812

19,650

28,066,942

39

82,614

28,066,942

• "It is a capital mistake to theorize before one has data."

Sherlock Holmes, "A Study in Scarlet" (Arthur Conan Doyle)

"The goal is to turn data into information, and information into insight."

Carly Fiorina, former executive, president, and chair of Hewlett-Packard

 "You can have data without information, but you cannot have information without data."

Daniel Keys Moran, American computer programmer and Sci-Fi writer

• "If we have data, let's look at data. If all we have are opinions, let's go with mine."

Jim Barksdale, former Netscape CEO

• "Data is not information, information is not knowledge, knowledge is not understanding, understanding is not wisdom."

Clifford Stoll, astronomer and technologist

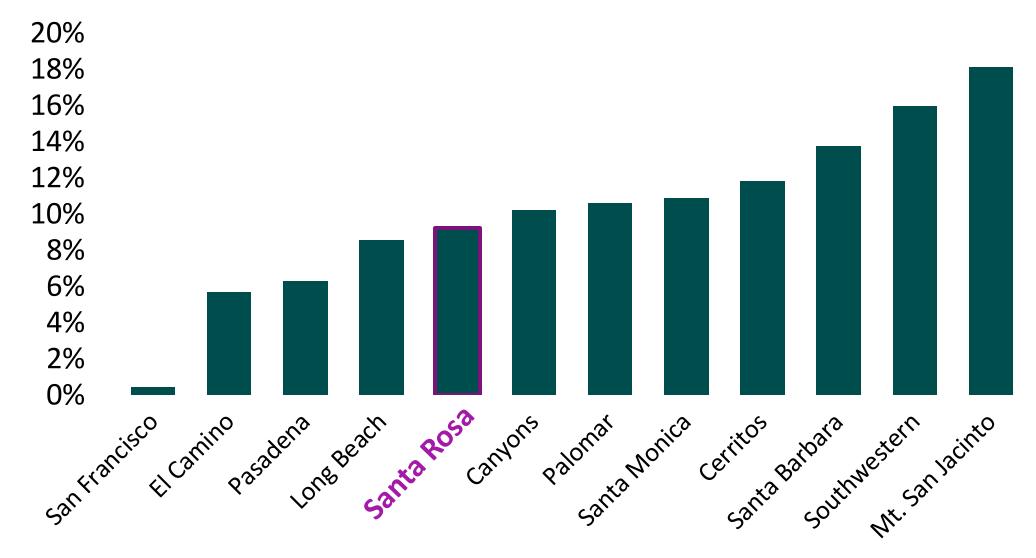
Today's Session tinyurl.com/OTC18data

- Examples of DE data presentations
- Discussion around these:
 - Why that data?
 - What is the context/audience for that data presentation?
 - Where and how were the raw data obtained?
 - How were the raw data massaged into what is presented?
 - Why was that format chosen for presentation?
 - What could/would we do differently in the future?
- Worked examples: A dive into DataMart and CVC
- Questions & Discussion

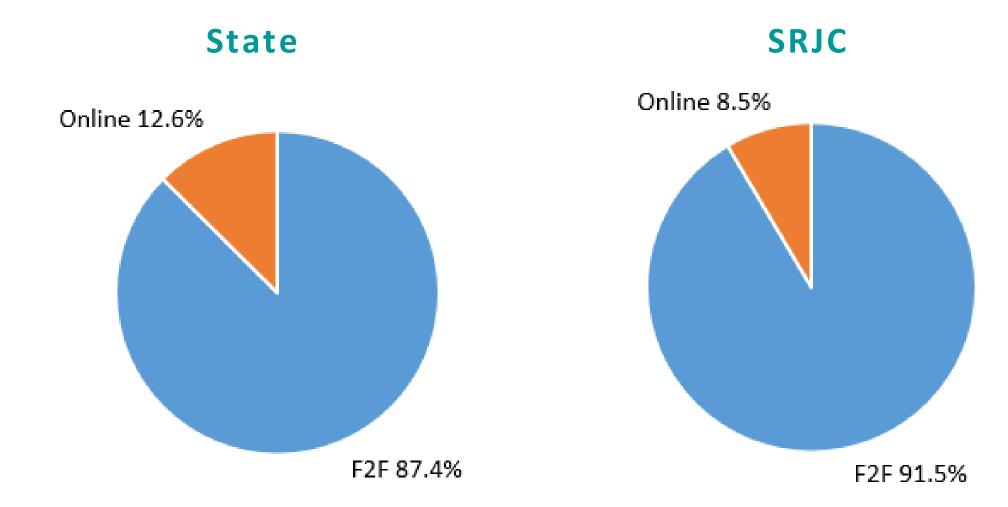
Making Sure We Understand Each Other

- When we talk about "DE data"
- What is Distance Education?
- A DE Class?
- How and by whom are we expected to disaggregate and report DE data?
- Context matters!

% of online (compared to F2F) courses offered

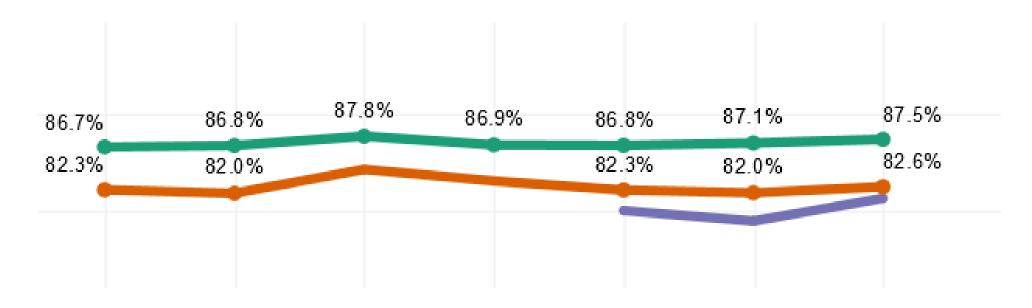


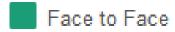
Online as Percent of Total FTES 2015-2016



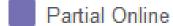
Source: SRJC Enrollment Mgt System

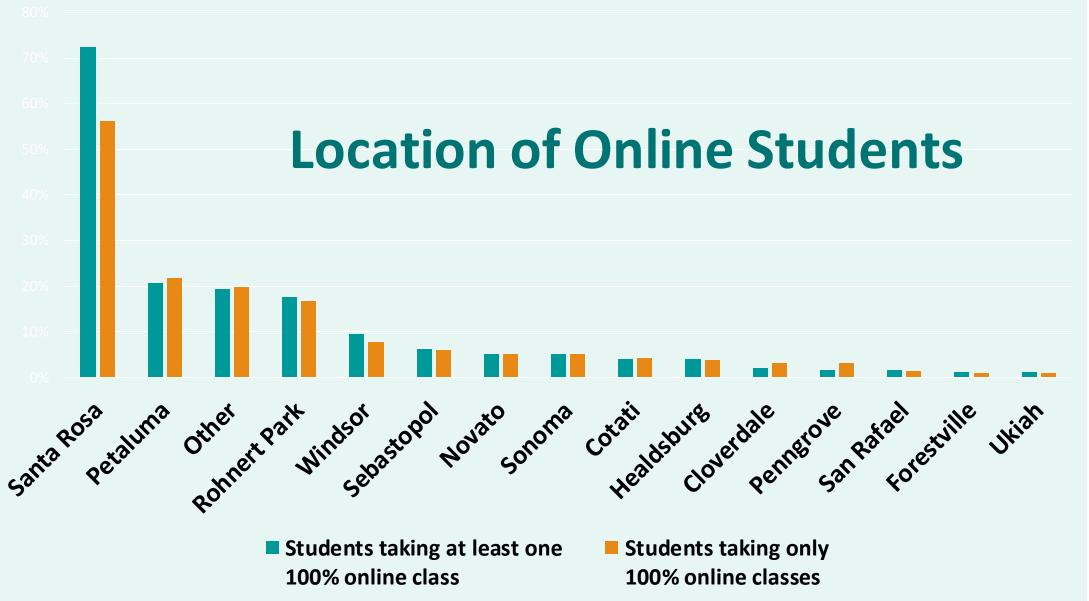
Course Completion and Retention











Source: SRJC SIS

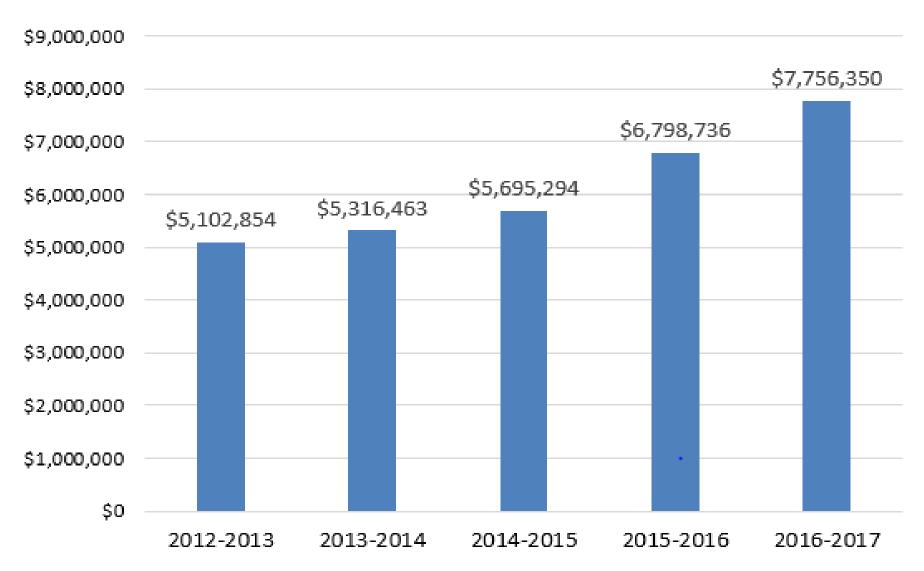
VON3 826

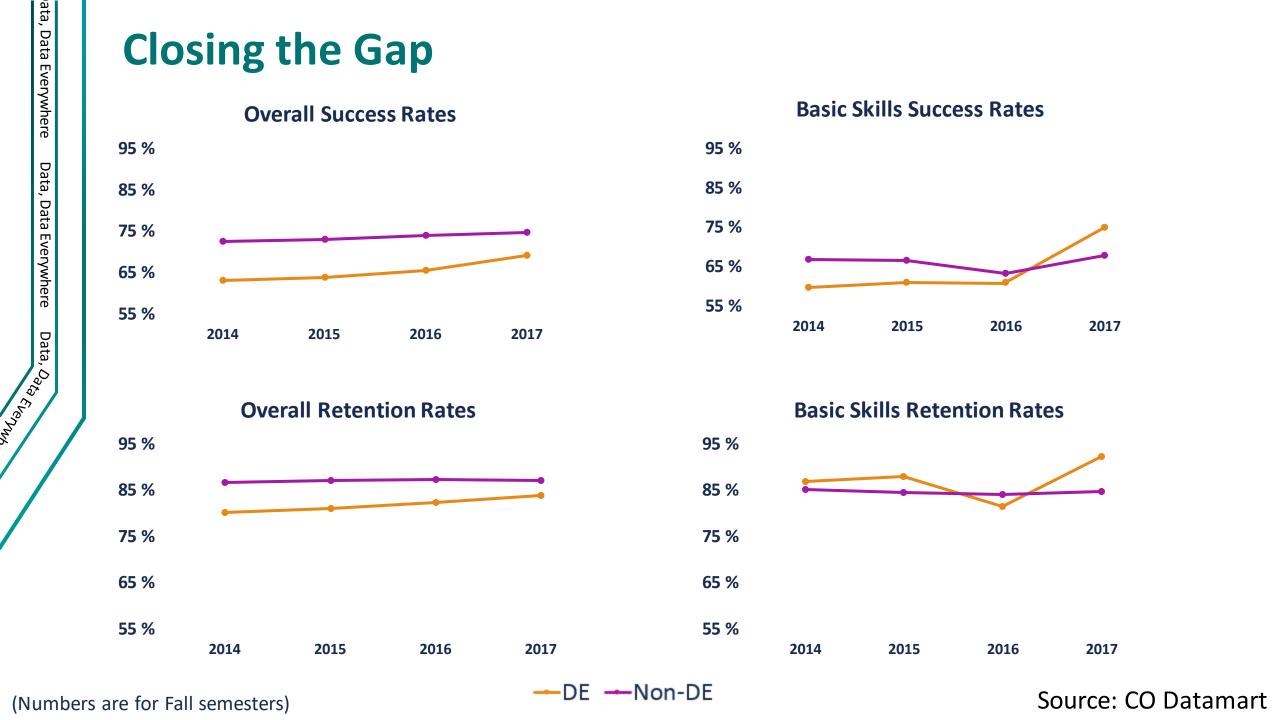
Demand and Availability of Online Classes

				SRJC	# of CCCs
Department	Course	Course Description	Demand	Online?	Offering
Art	ART 1.2	WORLD ART SINCE 1500	100	Υ	2
Social Sciences	POLS 1	INTRO TO U.S. GOVERNMENT	79	Υ	77
English	ENGL 1A	COLLEGE COMPOSITION	73	Υ	100+
Learning Resources	LIR 10	INTRO TO INFO LITERACY	43	Υ	13
Health Sciences	PHARM 255	COMP PHARMACOLOGY UPDATE	42	Υ	25
Social Sciences	HIST 17.2	U S HIST 1877 TO PRESENT	40	Υ	12
Health Sciences	FDNT 10	ELEM NUTRITION	38	Υ	100+
Phil, Hum & Rel	HUMAN 7	INTRO TO HUMANITIES	32	Υ	18
Phil, Hum & Rel	HUMAN /	INTRO TO HUMANITIES	32	Y	18

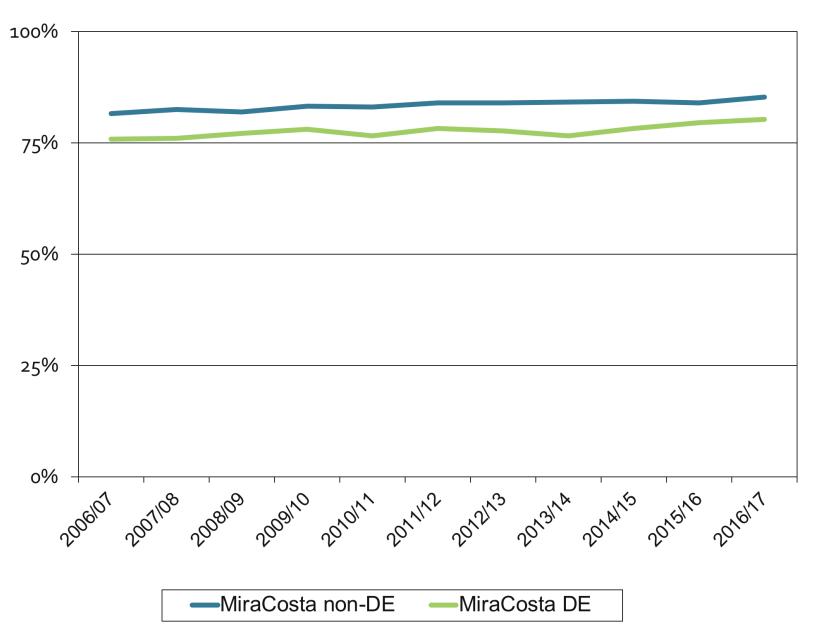
Source: SRJC SIS

Apportionment from Online Instruction

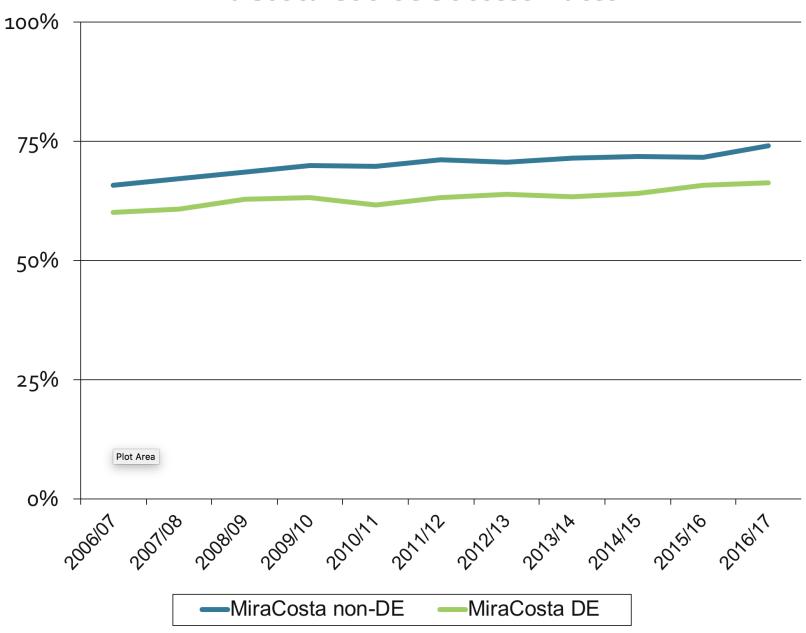




MiraCosta Course Retention Rates

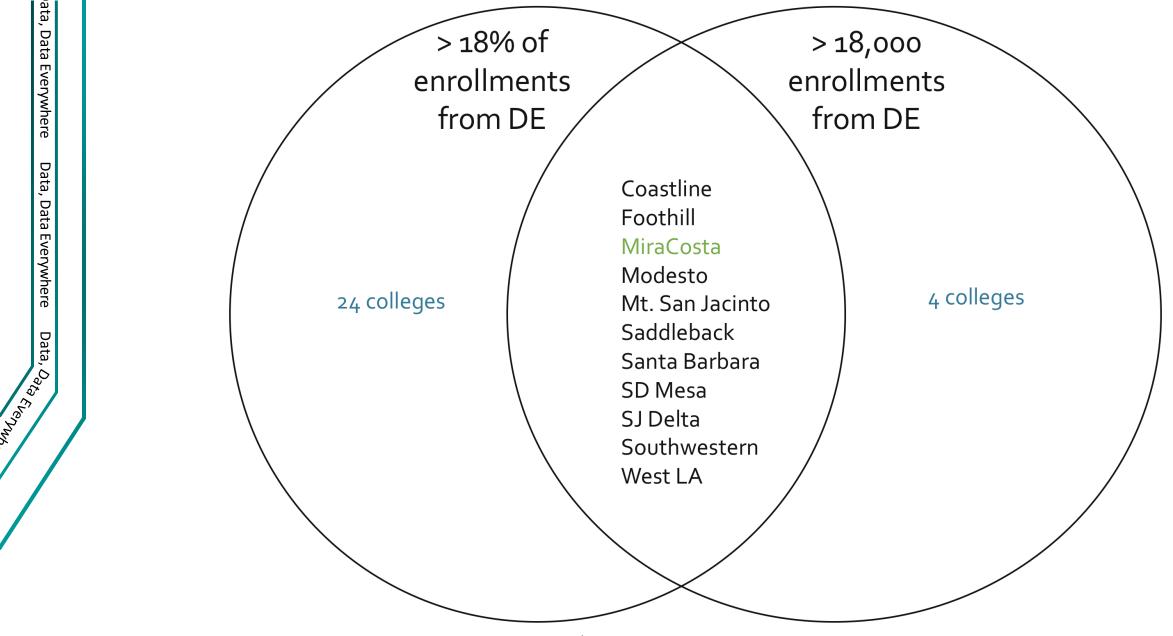


MiraCosta Course Success Rates



DE PARTICIPATION AT MIRACOSTA

	2012-13	2013-14	2014-15	2015-16	2016-17
DE course sections	492	540	588	624	688
% of FTES from DE	17.2%	18.5%	20.0%	20.9%	22.9%
Students taking at least one DE class	44.3%	46.6%	49.5%	49.8%	53.0%
Students taking only DE classes	12.4%	14.5%	14.9%	16.6%	18.1%



MiraCosta's DE success rate is 3rd of the 11 peer group colleges. MiraCosta's DE retention rate is 9th of the 11 peer group colleges.

All changes saved in Drive

 \blacksquare

EE

MiraCosta Math DE comparisons, 2013-17 data

Format Data

Tools

Add-ons

Arial

Help

10

Edit

View

100%

Insert

19/3/2/20

2016-17 MiraCosta Enrollments and Success Rates by Modalities and Demographic Groups

	100	% online clas	sses	51-9	9% online cla	sses	50% o	r less online o	classes	0	n-ground class	ses		DE total		
	Enroll- ments	Success rate	% of enrollmts	Portion of Enrollment from DE												
Am. Indian/																
Alaska																
native	54	72.2%	0.3%	23	73.9%	0.4%	13	61.5%	0.3%	197	66.5%	0.4%	77	72.7%	0.4%	26.8%
Asian	1194	77.6%	7.2%	307	67.4%	6.0%	422	75.6%	10.6%	4132	79.8%	7.7%	1501	75.5%	6.9%	24.8%
Black/Afr-																
Am	740	52.8%	4.5%	226	41.2%	4.4%	106	52.8%	2.7%	1651	66.3%	3.1%	966	50.1%	4.5%	35.5%
Hispanic/La	5649	62.4%	24.00/	1783	51.0%	24.70/	1262	66.4%	24.60/	20361	70.7%	27.00/	7400	E0 70/	24.20/	05.60
tino Native	3049	02.4%	34.2%	1703	31.0%	34.7%	1202	00.4%	31.6%	20361	70.7%	37.9%	7432	59.7%	34.3%	25.6%
Hawaiian /																
Pac																
Islander	77	64.9%	0.5%	32	43.8%	0.6%	17	52.9%	0.4%	270	63.0%	0.5%	109	58.7%	0.5%	27.59
2 or more																
races	1350	66.1%	8.2%	431	58.5%	8.4%	327	73.4%	8.2%	4048	73.3%	7.5%	1781	64.3%	8.2%	28.99
Unknown	261	65.9%	1.6%	81	55.6%	1.6%	74	66.2%	1.9%	1051	70.4%	2.0%	342	63.5%	1.6%	23.39
White	7189	73.5%	43.5%	2252	60.8%	43.9%	1777	73.1%	44.4%	22025	77.5%	41.0%	9441	70.5%	43.6%	
total	16514	68.3%		5135	56.6%		3998	70.5%		53735	74.2%		21649	65.5%		27.3%
Female	11199	69.0%	67.8%	3407	57.8%	66.3%	1887	74.5%	47.2%	28535	76.0%	53.1%	14606	66.4%	67.5%	
Male	5238	66.7%	31.7%	1708	54.1%	33.3%	2089	66.9%	52.2%	24906	72.1%	46.3%	6946	63.6%	32.1%	20.59
Unknown/D																
ecline	81	74.1%	0.5%	20	70.0%	0.4%	23	69.6%	0.6%	295	71.5%	0.5%	101	73.3%	0.5%	24.19
total	16518	68.3%		5135	56.6%		3999	70.5%		53736	74.2%		21653	65.5%		27.39
17 and									1							
Under	388	79.4%	2.3%	78	73.1%	1.5%	57	77.2%	1.4%	734	78.1%	1.4%	466	78.3%	2.2%	37.19
18-20	4159	68.8%	25.2%	1483	54.4%	28.9%	1273	67.2%	31.9%	24917	74.4%	46.4%	5642	65.0%	26.1%	17.79
21-24	4325	66.0%	26.2%	1439	56.1%	28.0%	1116	69.5%	27.9%	14026	72.4%	26.1%	5764	63.5%	26.6%	27.69
25-29	3206	66.0%	19.4%	1009	56.0%	19.6%	698	70.3%	17.5%	6857	74.0%	12.8%	4215	63.6%	19.5%	
30-34	1585	68.8%	9.6%	426	54.0%	8.3%	349	75.9%	8.7%	2785	74.7%	5.2%	2011	65.7%	9.3%	
35-39	920	72.1%	5.6%	287	63.1%	5.6%	192	78.6%	4.8%	1450	77.1%	2.7%	1207	70.0%	5.6%	
40-44	630	68.9%	3.8%	129	64.3%	2.5%	94	75.3%	2.4%	809	76.4%	1.5%	759	68.1%	3.5%	
45-54	872	73.9%	5.3%	197	60.4%	3.8%	147	77.6%	3.7%	1213	79.9%	2.3%	1069	71.4%	4.9%	
55-64	377	71.1%	2.3%	78	65.4%	1.5%	51	72.5%	1.3%	700	75.9%	1.3%	455	70.1%	2.1%	37.79
65 and																
Over	56	76.8%	0.3%	9	66.7%	0.2%	19	63.2%	0.5%	245	81.2%	0.5%	65	75.4%	0.3%	
total	16518	68.3%		5135	56.6%		3996	70.5%		53736	74.2%		21653	65.5%		27.3%

Data provided by MiraCosta Institutional Research Office

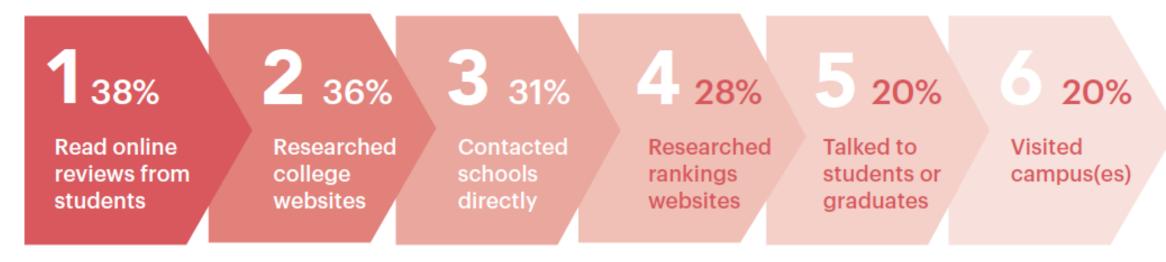
2016-17 MiraCosta Enrollments and Success Rates by Modalities and Demographic Groups: close-up

	Oı	n-ground clas	ses		DE total		
	Enroll- ments	Success	% of enrollmts	Enroll- ments	Success	% of enrollmts	Portion of Enrollment from DE
Am. Indian/ Alaska	107	GC E0/	0.40/	77	70.70/	0.40/	26.00/
native	197	66.5%	0.4%	77	72.7%	0.4%	26.8%
Asian	4132	79.8%	7.7%	1501	75.5%	6.9%	24.8%
Black/Afr- Am	1651	66.3%	3.1%	966	50.1%	4.5%	35.5%
Hispanic/La tino	20361	70.7%	37.9%	7432	59.7%	34.3%	25.6%
Native Hawaiian / Pac	270	62.0%	0.5%	100	EQ 70/	0.5%	27.50/
Islander	270	63.0%	0.5%	109	58.7%	0.5%	27.5%
2 or more races	4048	73.3%	7.5%	1781	64.3%	8.2%	28.9%
Unknown	1051	70.4%	2.0%	342	63.5%	1.6%	23.3%
White	22025	77.5%	41.0%	9441	70.5%	43.6%	28.4%
total	53735	74.2%		21649	65.5%		27.3%

Data provided by MiraCosta Institutional Research Office

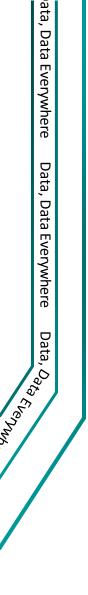
Some Aspirational Examples

TOP METHODS USED BY STUDENTS TO RESEARCH ONLINE SCHOOLS

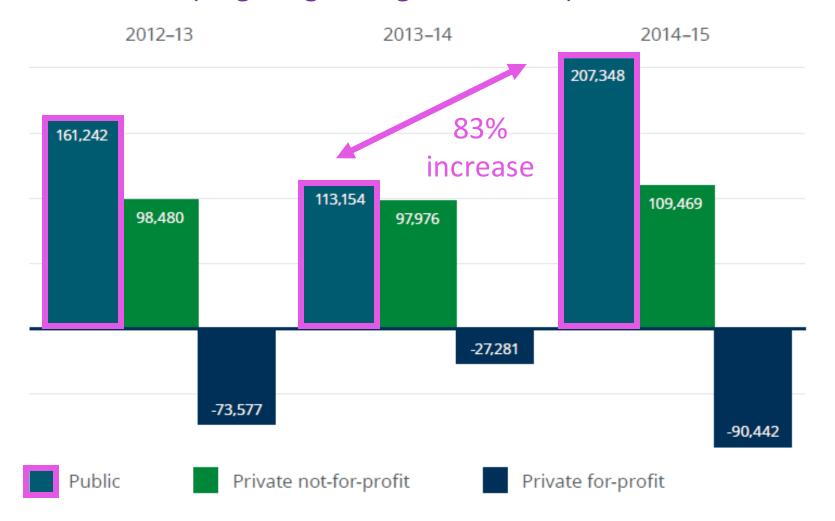


Of those who used only one method to find out about online programs, the top three responses were: contacting the school directly, researching college websites, and reading online reviews from students.

Source: 2017 Online Education Trends: BestColleges.com



Year-to-year Change in Distance Enrollments (Degree-granting Institutions)



Public and private not-for-profit institutions have grown their distance learning enrollments (as for-profit enrollments slipped). All three trends accelerated in 2014-2015.

Busting the Myth: Distance Education Enrollment



Utilizing the 2013 Fall IPEDS Enrollment numbers, WCET has gathered a quick overview of distance education enrollment patterns that might not be what popular opinion thinks they are.

Myth: Only a Small Number of Students Enroll in Distance.

Reality: One-in-Eight Students Took ALL Their Courses at a Distance.



Reality: One-in-Four Students

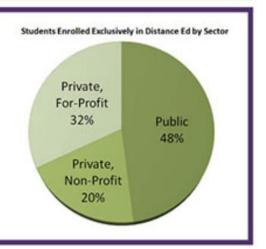
Took AT LEAST 1
Distance Course.



Myth: Institutional Location Does Not Matter for Distance Education.

Reality: Public Students Primarily Attend Distance Education Institutions in Their HOME State. Myth: Students in Distance Courses are Primarily at For-Profit Colleges.

Reality: More than Two-Thirds of Fully Distance Students Enroll in Public or Non-Profit Colleges.



Myth: Distance Education Growth has Slowed.



Decrease

Reality: Distance Education
Growth from 2012 to 2013 Varied
Greatly by Higher Education Sector.
And the Growth Occurred DESPITE
Overall Higher Education
Enrollments DECREASING by

4%.

The Growth of Distance Education

Year Over Year

Public institutions saw

147,169

new distance enrollments in 2014

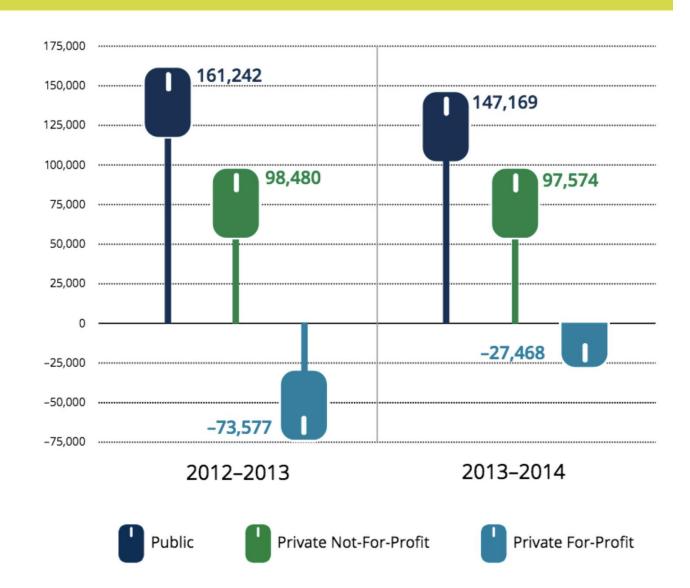


are growing year over year, while

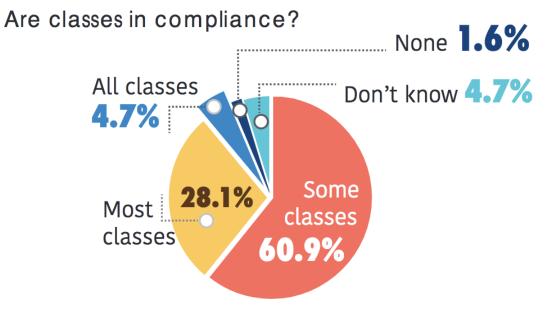
FOR-PROFIT ENROLLMENTS

decreased again

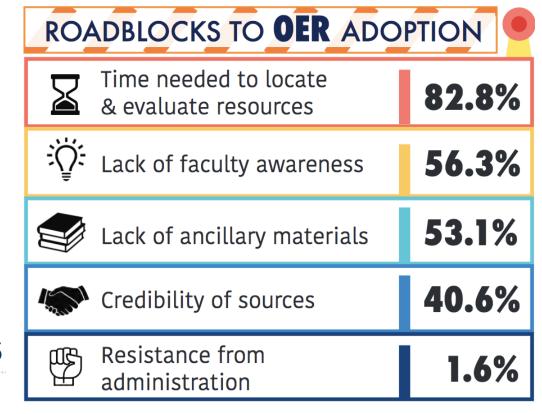
Change in Distance Education—Degree-granting Institutions



ADA ONLINE COURSE COMPLIANCE



TOP 3 CHALLENGES RELATED TO STUDENTS





- $oxed{1}$ Orientation/student readiness for taking online classes
- **2** Assessing student learning & performance in online environment
 - 3 Providing equivalent virtual student services

Why do we collect and present DE data?

- Annual report to Board of Trustees
- Program Review
- Accreditation and other regulatory reports
- Online education planning
- Presentations to constituency groups (Academic Senate, Department Chairs, Management, etc.)
- On-demand in support of student success & equity planning, departmental improvement initiatives, etc.
- Other?

Where to find useful and relevant data

- Local institutional research office, data warehouse, etc.
 - Advocate for DE disaggregation by default
- CVC & Finish Faster for online classes offered across CA
- DE surveys (CCC, local (?))
- DataMart: detailed DE info from your college and across the CCC, including outcomes, demographics, and by discipline
- U.S. DE data sources (IPEDS, Babson Survey, ITC) along with caveats
- Data from tools and services (e.g. Canvas, online tutoring, proctoring, on-campus services, technical help)

DataMart Demo & Discussion

datamart.ccco.edu

- Caveats:
 - DataMart data changes slightly over time don't expect it to match exactly
 - DataMart data can differ somewhat from local data warehouse data
 - Do you include summer?
 - Odd distance education subtypes for some colleges

CVC Demo & Discussion



prolearningnetwork.cccco.edu/what-does-your-competition-look-like or search for "competition"

CVC File Available

cccdeco.org/resources

Miscellaneous

- WICHE Cooperative for Educational Technologies (WCET)
- CCC Website Links
- CVC Data for all CCCs Spring 2018
- CVC Data for all CCCs Summer 2018

Data, Oata Everyus

CVC Data CCCs only – 12,500 rows!

Note Subject numbers

	Α	В	С	D	Е	F	G	Н	I	J	K	L	M	N	О	P	Q
1	school_titl	course	title	units	fallq	falls	winte	spq	sps	summ	rolling	sched_oth	description	requireme	sub1	sub2	sub3
2	Allan Hanc	FT 104	FT 104 - Bt	3								This course	Advisory: (Blackboard	1	35	
3	Allan Hanc	PD 115	PD 115 - C	1		1			1				An interne	Blackboard	25		
4	Allan Hanc	FT 105	FT 105 - Fi	3								This course	Advisory: (Blackboard	1	35	
5	Allan Hanc	FT 102	FT 102 - Fi	3								This course	Advisory: (Blackboard	1	35	
6	Allan Hanc	FT 103	FT 103 - Fi	3								This course	Advisory (Plackboard	1	35	
7	Allan Hanc	FT 101	FT 101 - Fi	3								This course	Prov 4 s a	Nackboard	1	35	
8	Allan Hanc	CBOT 131	CBOT 131	3		1			1	1			This course	Blackboard	6	0	0
9	Allan Hanc	SOC 102	SOC 102 -	3		1			1		N		A survey o	Blackboard	25	39	
10	Allan Hanc	FT 341	FT 341 - Fi	3								This course	Hydraulic l	Blackboard	1	35	
11	Allan Hanc	PHILS 101	PHIL 101: 5	3		1			T	1			An overvie	Blackboard	39	25	
12	Allan Hanc	ART 101	ART 101 - A	3		1	•		1	1			A study of	Blackboard	19	25	0
13	Allan Hanc	SOC 120	SOC 120 -	3		_1			1				A survey a	Blackboard	25	39	
14	Allan Hanc	CBOT 334	CBOT 334	3		1			1				Advisory: (Blackboard	6	0	0
15	Allan Hanc	MUS 110	MUS 110:	2		1	1		1	1			A basic and	Students w	16	25	0
16	Allan Hanc	HIST 105	HIST 105 -			1			1				Surveys the	Blackboard	47	39	
17	Allan Hanc	HUM 105	101v 105	3		1			1				Surveys the	Blackboard	46		
18	Allan Hanc	BUS 30.	PUS 302-	3		1			1				A review o	Blackboard	6	0	0
19	Allan Hanc	BUS 303	BU5 303 -	3		1			1	1			An overvie	Blackboard	6	27	0
20	Allan Hanc	PHILS 102	PHIL 102: I	3					1			This course	An introdu	Blackboard	25	39	0
21	Allan Hanc	BUS 130	BUS 130 -	3		1			1	1			Designed t	Blackboard	6	0	0
22	Allan Hanc	ECON 130	ECON 130	3		1			1	1			Designed t	Blackboard	22	0	0
23	Allan Hanc	PSYH 101	PSY 101 - (3		1			1	1			An introdu	Blackboard	36		
24	Allan Hanc	HIST 107	HIST 107 -	3		1			1				A survey o	Blackboard	39		
25	Allan Hanc	ECS 116	ECS 116 - 7	3		1			1				Advisory: E	Blackboard	7	0	0
20				-									s	B1 11	25	20	

Data, Ogto Everyun

A Word About Our Data...

ALL THE WAYS "BEGINNING" ALGEBRA ARE LISTED

- 1st Course in Algebra
- Beginning and Intermediate Algebra
- Beginning and Intermediate Algebra for Liberal Arts and Social Science
- College Algebra
- Combined Algebra Part I
- Elem Algebra and Geometry Refresher
- Elementary Algebra
- Elementary Algebra Part I
- Elementary Algebra Part II

- Elementary Algebra and Geometry
- Elementary Algebra Refresher
- Elementary Algebra-Ih
- Elementary Prealgebra
- Prealgebra
- Pre-Algebra
- Pre-algebra Refresher
- Precalculus Algebra: Graphing Calculator Component

Subject Code Confusion

> 300 courses had subject = 0/null

Some subjects seemed unclear to coders

Course Listing					
ACC-66	Non-Profit/Gov Acctg	6			
ACC-66	Non-Profit and Governmental Accountir	18			
ACCOUNTING 00	INTRODUCTORY ACCOUNTING I	9			
ACCOUNTING 00	INTRODUCTORY ACCOUNTING I				

Subject Key				
Business Management and Administrative Services	6			
Computer and Information Sciences	9			
Finance	18			
Economics	12			
Education and Counseling	13			

Some courses appear to be coded incorrectly

PDEV 0008	Introduction to College	12
EDUC 40	Introduction Online Learning	13
VETT 59	Veterinary Technology	13

Some subjects seemed to fall into more than one category

Social Sciences and History	39
History	47

Data errors



- Our campus has noticed on occasion that some of our online courses are missing from the listings
- I also noticed that some of our courses had some errors in the details
- I have heard from others that they have sometimes had the same experience

How We Can Help Clean Up the Data?

In order to help "clean up" the CVC data, please contact

Amy Carbonaro

at

acarbonaro@ccctechcenter.org

She will give each college an editor account so that errors can be corrected.

She may also be able to supply you with the CCC data file so you can do your own gap analysis!



Discussion

Jim Julius

jjulius@miracosta.edu

Lisa Beach

lbeach@santarosa.edu

More resources and links

tinyurl.com/OTC18data