OFFICE OF PLANNING, RESEARCH, AND ACCREDITATION

Saddleback College
Course Retention and Completion

Five Year Trends

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Executive Summary

Purpose and Scope

- This report assesses five year trends in the Retention Rate and Completion Rate outcomes comparing Saddleback College to Statewide totals on each.
- The report's objectives are to make policymakers, local college officials, and elected boards aware of system and college performance in specific areas of effort and to inform the public about overall system performance.
- As with all research, certain limitations must be considered. The limitations include the following:
  - The report is based on an analysis of enrollments. The number of enrollments is a duplicated number; that is to say that a single enrollment does not equal one student since each student may enroll in more than one class in a semester.
  - This report is based on an analysis of enrollments in credit classes only. Basic Skills and Vocational classes are not considered.
  - The report covers only certain specific outcomes – Retention and Completion expressed as rates.
  - The analysis is based on data publicly available on the State Chancellor's office Data Mart.
  - Short-term trend analysis demands a considered approach.

Key Findings

- The total number of credit enrollments at Saddleback College is declining faster than total enrollments statewide (14% compared to 4% over the period from 2011 to 2015).
- Credit enrollments by Hispanic students have increased from 13,585 in the Fall semester of 2011 to 13,826 in the Fall semester of 2015.
- Credit enrollments in classes taught using internet based simultaneous interaction methods of instruction have increased from 10,613 in the Fall semester of 2011 to 13,526 in the Fall semester of 2015, while enrollments in classes based on traditional non-distance methods of instruction have decreased from 52,088 in the Fall semester of 2011 to 40.077 in the Fall semester of 2015.
- Retention rates at Saddleback College exceed statewide retention rates for all major ethnic groups (African-American, Asian, Hispanic, and White Non-Hispanic).
- Success rates at Saddleback College exceed statewide success rates for all major ethnic groups (African-American, Asian, Hispanic, and White Non-Hispanic).
- Both Retention and Success rates at Saddleback College are increasing.

Introduction

Enrollment Count, Retention Rate, and Completion Rate are each calculated based on the number of enrollments, not the number of students. As such they are duplicated counts/rates. The computations for each are described on the Data Mart website.

Methodology

The Office of Research, Planning and Accreditation (OPRA) examined data publicly available on the California Community Colleges Chancellor's Office Management Information Systems Data Mart (data mart). The data mart provides information about students, courses, student services, outcomes, and faculty and staff. The emphasis of the data mart is to answer the questions of administrators, educators, parents, students, state leaders, and professional organizations. Because the data mart is aimed at supplying information to a wide variety of users, the interface and query functions insure the data are easily accessed and processed.

Data for both Fall and Spring semesters over five years was first extracted on a state-wide and college-wide basis for each of the metrics described below. The five-year state-wide data covers either Fall or Spring semesters from 2011 to 2015. The five-year data for Saddleback College covers the same periods.

Data was exported to SPSS or Excel in order to facilitate analysis and reporting of results.

Disaggregation by gender, ethnicity, or type of instruction was only undertaken in those cases where such disaggregation did not produce only a minimal number of enrollments in a particular cell.

Charts were prepared to visually present the data to enhance understandability using the charting features of Microsoft Excel. As appropriate, linear trendlines were added to graphs and charts using the trendline function in Microsoft Excel.

Enrollment Count. Enrollment count is the number of enrollments that result in a grade of A, B, C, D, F, P, NP, I*, IPP, INP, FW, W, or DR.

Retention Count. Retention count is the number of enrollments that result in a grade of A, B, C, D, F, P, NP, I*, IPP, INP, or FW. In practical terms retention count represents all enrollments that result is a grade other than W (Withdrew after the last day to drop) or DR (Drop on or after census date and before the withdrawal period).

Success Count. Success count is the number of enrollments that result in a grade of A, B, C, P, IA, IB, IC, or IPP. In practical terms success count represents all enrollments that result in successfully completing the course.

Retention Rate. Retention rate is calculated using the following formula.

$$Retention\ Rate = \frac{Retention\ Count}{Enrollment\ Count} \times 100$$

Success Rate. Success rate is calculated using the following formula.

$$Success\ Rate = \frac{Success\ Count}{Enrollment\ Count} \times 100$$

Purpose

The report's objectives are to make policymakers, local college officials, and elected boards aware of system and college performance in specific areas of effort and to inform the public about overall system performance.

Limitations

This report is based on an analysis of enrollments. The number of enrollments is a duplicated number; that is to say that a single enrollment does not equal one student since each student may enroll in more than one class in a semester.

This report is based on an analysis of enrollments in credit classes only. Basic Skills and Vocational classes are not considered.

The report covers only certain specific outcomes – Retention and Completion expressed as rates.

The analysis is based on data publicly available on the State Chancellor's office Data Mart.

Judgments about institutional performance should not be based on the outcomes computed from a single semester or even a single year. Following the suggestions of Bahr, Hom, & Perry (2005) that cohort analyses should be based on at least three similar cohorts, this analysis considers trends over five years using data from Spring and Fall semesters. Five year trend analysis reduces the probability of identifying a college as "low performing" based on random variation in the data from year over year comparisons.

Credit Enrollments (Fall Semesters)
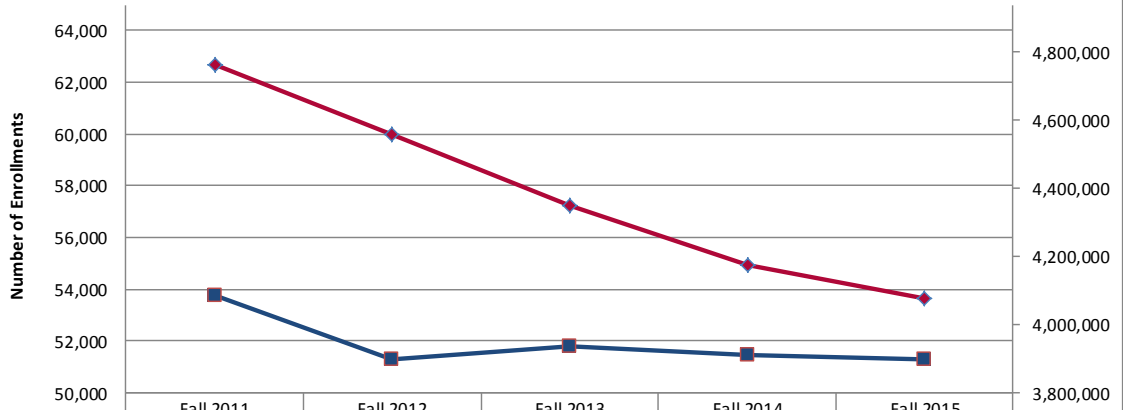
	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Saddleback College	62,701	59,973	57,252	54,922	53,623
Statewide	4,086,357	3,896,734	3,936,352	3,910,388	3,897,194

Credit Enrollments by Gender (Fall Semesters)
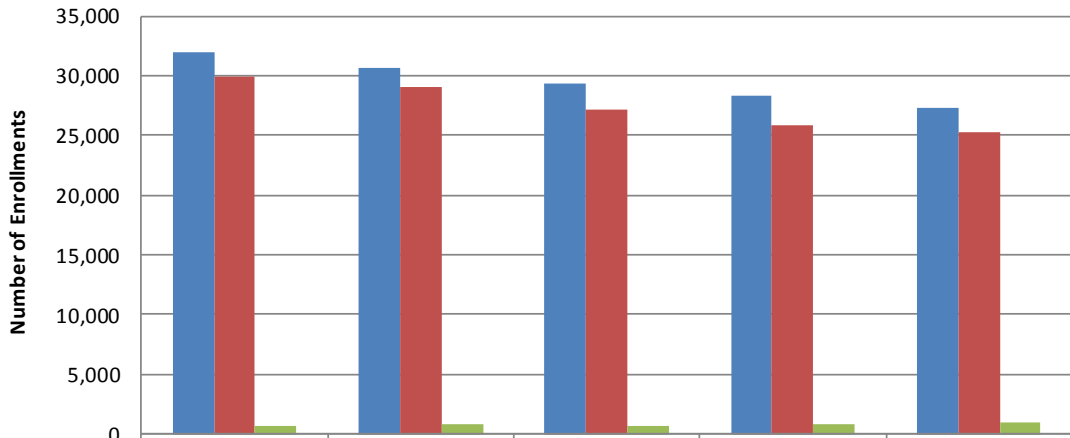
	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Saddleback Female	32,006	30,664	29,318	28,373	27,283
Saddleback Male	29,981	29,029	27,214	25,806	25,328
Saddleback Unknown	714	772	720	743	1,012

Credit Enrollments by Ethnic Groups (Fall Semesters)
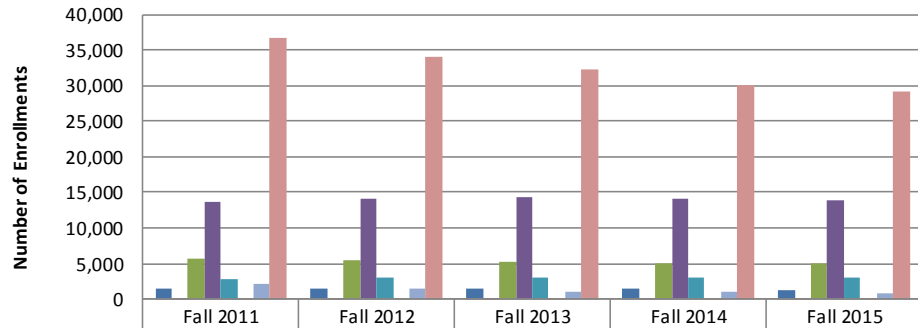
	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Saddleback African-American	1,466	1,466	1,479	1,426	1,289
Sdaaleback American Indian/Alaska Native	166	185	146	142	147
Saddleback Asian	5713	5403	5152	4929	5125
Saddleback Hispanic	13,585	14,161	14,217	14,107	13,834
Saddleback Multi-Ethnicity	2,869	3,074	2,931	3,067	3,087
Saddleback Pacific Islander	189	161	107	167	138
Saddleback Unknown	2,082	1,390	972	1,042	790
Saddleback White Non-Hispanic	36,631	34,133	32,245	30,022	29,213

## Credit Enrollments by Type of Instruction (Fall Semesters)
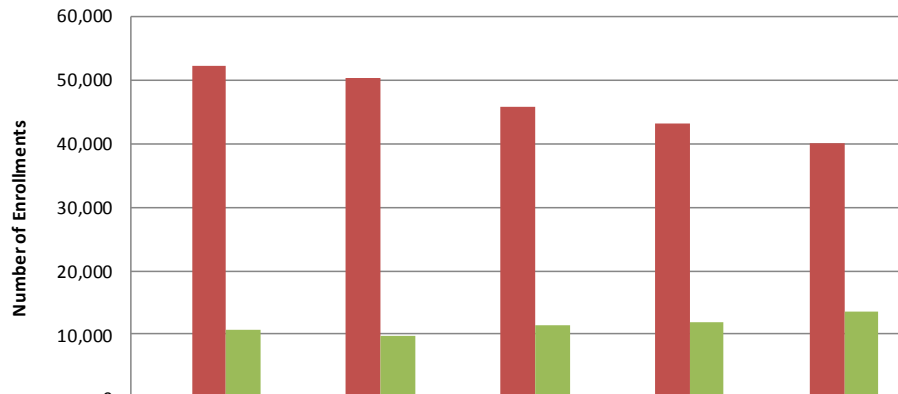
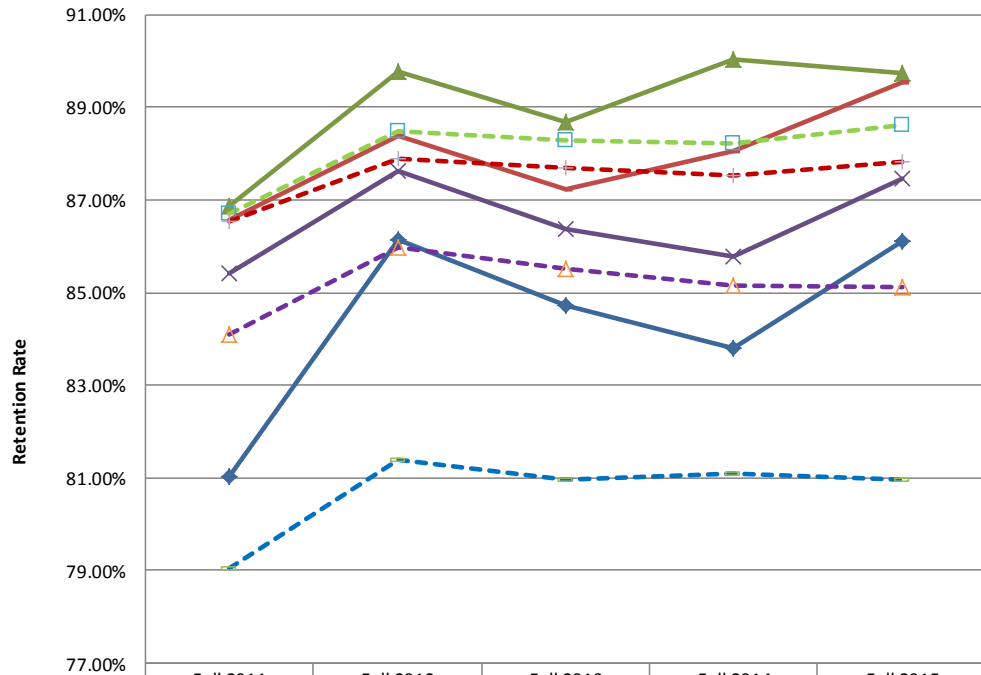|	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Saddleback Audio one-way (e.g. audio, cassette, radio, etc.)	0	68	38	20	20
Saddleback Non-Distance Education Methods	52,088	50,237	45,677	43,054	40,077
Saddleback Simultaneous Interaction (Internet-Based)	10,613	9,668	11,537	11,848	13,526

Retention Rates (Fall Semesters)
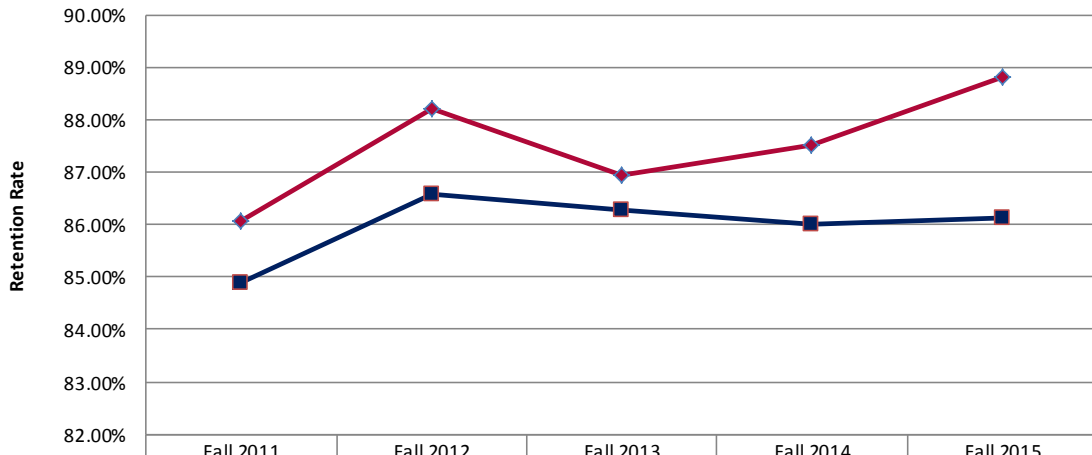
	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Saddleback College	86.08%	88.22%	86.95%	87.52%	88.81%
Statewide	84.88%	86.58%	86.27%	86.02%	86.13%

Retention Rates by Gender (Fall Semesters)
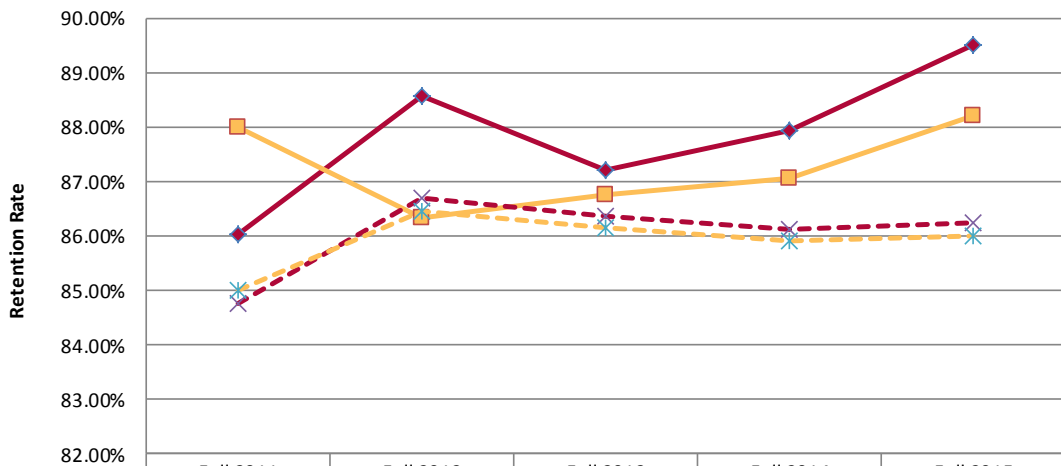
	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Saddleback Female	86.02%	88.58%	87.21%	87.92%	89.49%
Saddleback Male	88.00%	86.32%	86.76%	87.06%	88.20%
Statewide Female	84.76%	86.70%	86.37%	86.12%	86.23%
Statewide Male	84.99%	86.45%	86.16%	85.90%	86.01%

Retention Rates by Ethnic Groups (Fall Semesters)

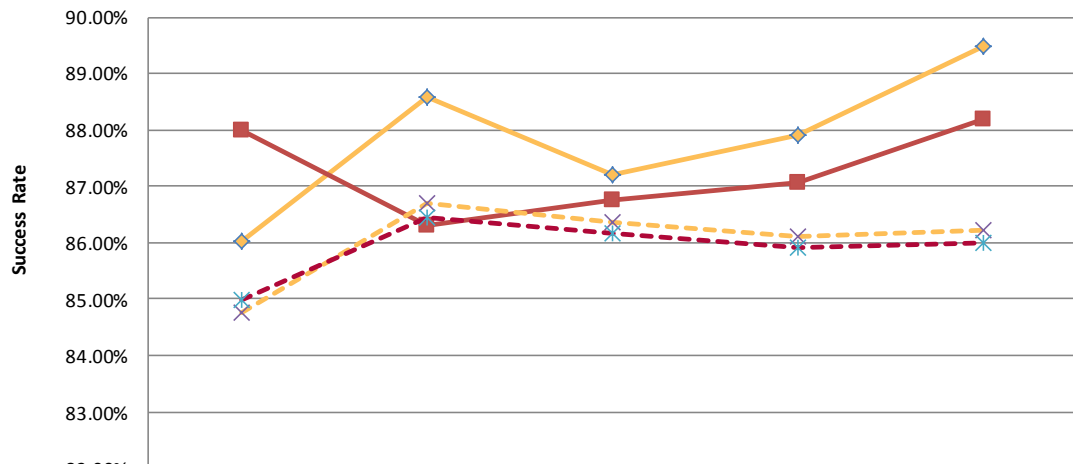|	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Saddleback African-American	81.04%	86.14%	84.71%	83.80%	86.11%
Saddleback Asian	86.87%	89.78%	88.68%	90.04%	89.74%
Saddleback Hispanic	85.40%	87.62%	86.36%	85.78%	87.47%
Saddleback White Non-Hispanic	86.58%	88.39%	87.22%	88.05%	89.54%
Statewide African-American	79.04%	81.39%	80.95%	81.10%	80.95%
Statewide Asian	86.71%	88.48%	88.29%	88.23%	88.60%
Statewide Hispanic	84.08%	85.98%	85.50%	85.14%	85.11%
Statewide White Non-Hispanic	86.55%	87.90%	87.69%	87.52%	87.81%

Retention Rates by Type of Instruction (Fall Semesters)
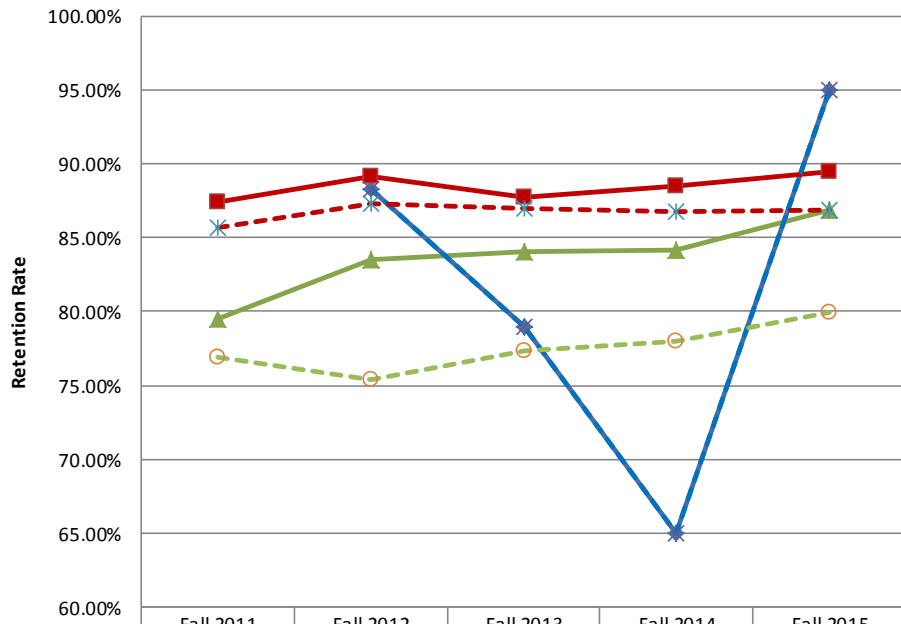
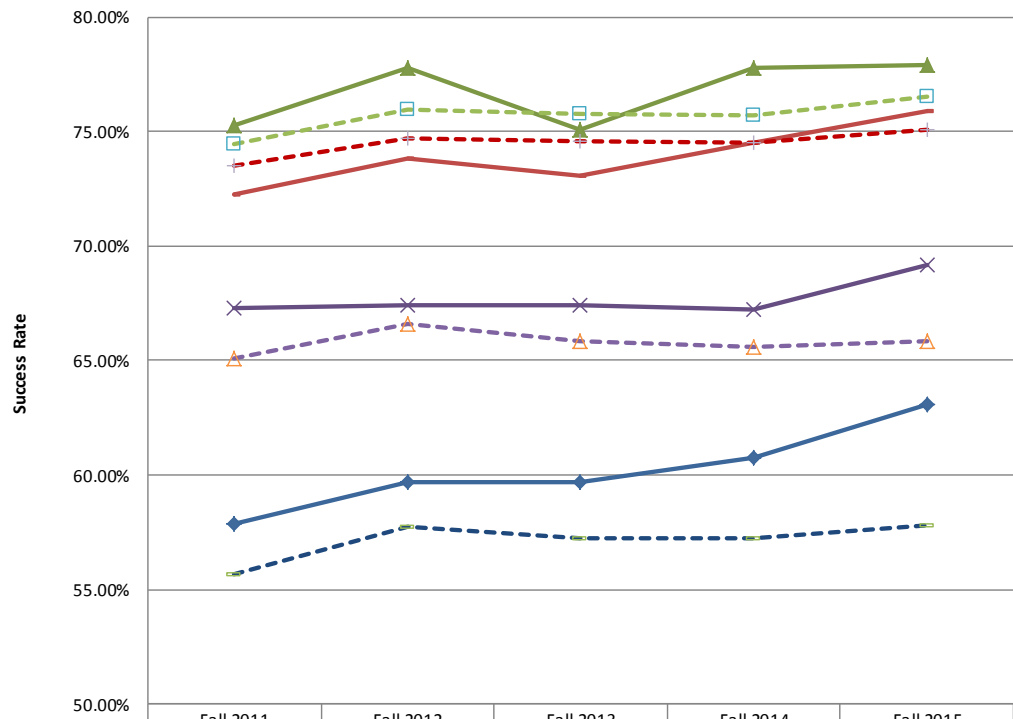|	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
*Saddleback Audio one-way (e.g. audio, cassette, radio, etc.)		88.24%	78.95%	65.00%	95.00%
Saddleback Non-Distance Education Methods	87.42%	89.12%	87.70%	88.47%	89.47%
Saddleback Simultaneous Interaction (Internet-Based)	79.51%	83.54%	84.00%	84.11%	86.85%
*Statewide Audio one-way (e.g. audio, cassette, radio, etc.)		88.24%	78.95%	65.00%	95.00%
Statewide Non-Distance Education Methods	85.66%	87.33%	86.99%	86.77%	86.84%
Statewide Simultaneous Interaction (Internet Based)	76.89%	75.33%	77.35%	78.01%	79.92%

Success Rates (Fall Semesters)
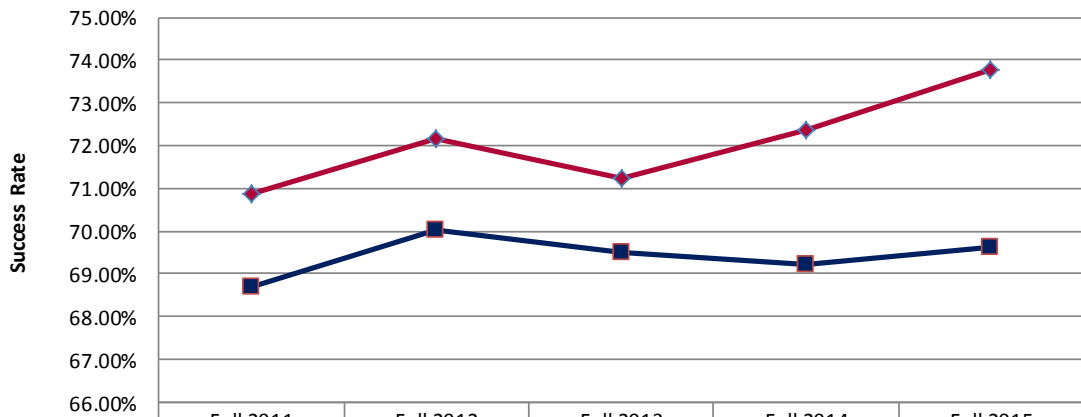
	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Saddleback College	70.88%	72.17%	71.22%	72.37%	73.76%
Statewide	68.69%	70.03%	69.48%	69.20%	69.61%

Success Rates by Gender (Fall Semesters)

	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Saddleback Female	86.02%	88.58%	87.21%	87.92%	89.49%
Saddleback Male	88.00%	86.32%	86.76%	87.06%	88.20%
Statewide Female	84.76%	86.70%	86.37%	86.12%	86.23%
Statewide Male	84.99%	86.45%	86.16%	85.90%	86.01%

Success Rates by Ethnic Groups (Fall Semesters)

	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Saddleback African-American	57.84%	59.69%	59.70%	60.73%	63.06%
Saddleback Asian	75.27%	77.79%	75.08%	77.78%	77.91%
Saddleback Hispanic	67.27%	67.38%	67.38%	67.21%	69.15%
Saddleback White Non-Hispanic	72.23%	73.79%	73.07%	74.52%	75.89%
Statewide African-American	55.69%	57.76%	57.23%	57.21%	57.77%
Statewide Asian	74.42%	75.95%	75.79%	75.71%	76.51%
Statewide Hispanic	65.07%	66.59%	65.87%	65.57%	65.85%
Statewide White Non-Hispanic	73.51%	74.72%	74.55%	74.54%	75.09%

Success Rates by Type of Instruction (Fall Semesters)
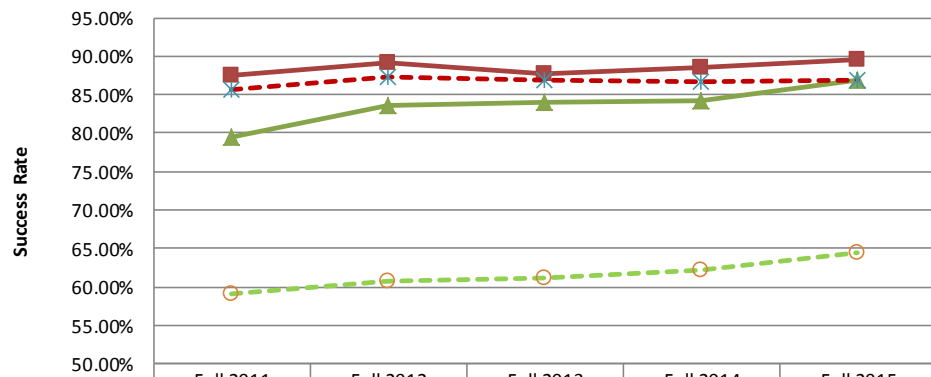
	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Saddleback Non-Distance Education Methods	87.42%	89.12%	87.70%	88.47%	89.47%
Saddleback Simultaneous Interaction (Internet-Based)	79.51%	83.54%	84.00%	84.11%	86.85%
Statewide Non-Distance Education Methods	85.66%	87.33%	86.99%	86.77%	86.84%
Statewide Simultaneous Interaction (Internet-Based)	59.01%	60.77%	61.23%	62.09%	64.44%

Credit Enrollments (Spring Semesters)

	Spring 2011	Spring 2012	Spring 2013	Spring 2014	Spring 2015
Saddleback College	61,525	59,491	59,011	55,497	54,493
Statewide	4,247,225	4,003,881	3,876,142	3,837,865	3,786,828

Credit Enrolments by Gender (Spring Semesters)

	Spring 2011	Spring 2012	Spring 2013	Spring 2014	Spring 2015
Saddleback Female	31921	30,583	30,573	28,945	27,878
Saddleback Male	28821	28,176	27,701	25,913	25,727
Saddleback Unknown	783	732	737	639	888

Credit Enrollments by Ethnic Groups (Spring Semesters)

	Spring 2011	Spring 2012	Spring 2013	Spring 2014	Spring 2015
■ Saddleback African-American	1,449	1,450	1,422	1,402	1,299
■ Sdaaleback American Indian/Alaska Native	207	177	141	176	138
■ Saddleback Asian	5887	5429	5439	5109	5119
■ Saddleback Hispanic	12,013	13,000	13,959	13,846	14,169
■ Saddleback Multi-Ethnicity	2,390	2,702	2,963	2,886	2,877
■ Saddleback Pacific Islander	244	148	137	128	138
■ Saddleback Unknown	2,928	1,877	1,288	861	964
■ Saddleback White Non-Hispanic	36,407	34,708	33,662	31,089	29,789

## Credit Enrollments by Type of Instruction (Spring Semesters)
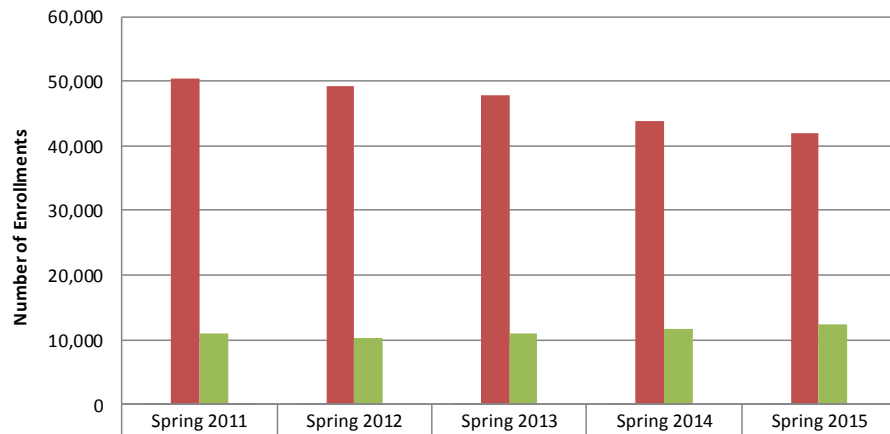
	Spring 2011	Spring 2012	Spring 2013	Spring 2014	Spring 2015
■ Saddleback Audio one-way (e.g. audio, cassette, radio, etc.)	95	57	63	34	23
■ Saddleback Non-Distance Education Methods	50,352	49,193	47,901	43,886	42,051
■ Saddleback Simultaneous Interaction (Internet-Based)	11,054	10,241	11,047	11,577	12,419
■ Saddleback Video one-way (e.g. ITV, video cassette, etc.)	24				

Retention Rates (Spring Semesters)

	Spring 2011	Spring 2012	Spring 2013	Spring 2014	Spring 2015
Saddleback College	84.60%	85.61%	87.06%	86.78%	87.21%
Statewide	84.20%	84.94%	85.86%	85.85%	85.63%

Retention Rates by Gender (Spring Semesters)
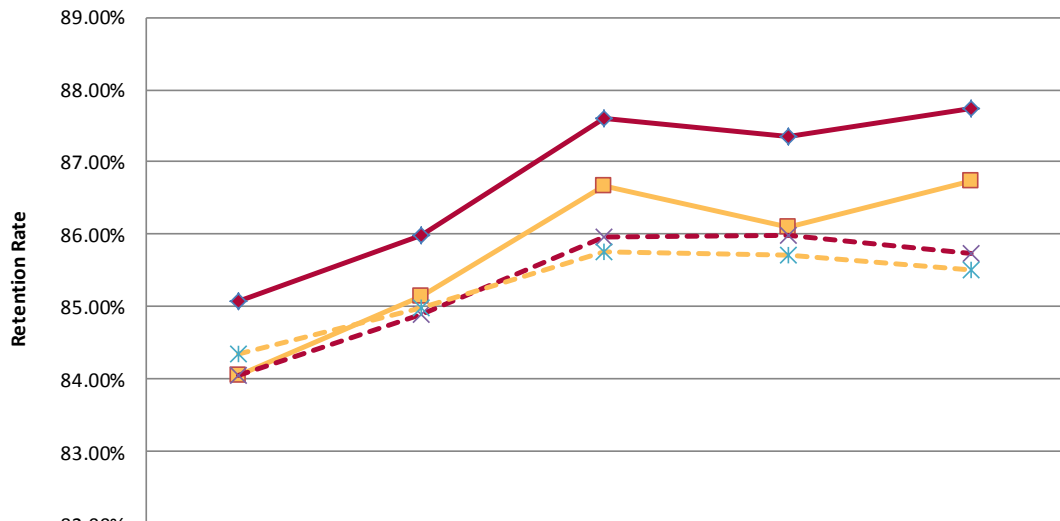
	Spring 2011	Spring 2012	Spring 2013	Spring 2014	Spring 2015
Saddleback Female	85.07%	85.99%	87.61%	87.35%	87.74%
Saddleback Male	84.06%	85.15%	86.67%	86.11%	86.74%
Statewide Female	84.06%	84.89%	85.96%	85.98%	85.73%
Statewide Male	84.36%	84.99%	85.76%	85.71%	85.51%

Retention Rates by Ethnic Groups (Spring Semesters)

	Spring 2011	Spring 2012	Spring 2013	Spring 2014	Spring 2015
Saddleback African-American	81.64%	77.31%	82.70%	81.38%	85.45%
Saddleback Asian	85.73%	87.03%	88.66%	88.71%	88.53%
Saddleback Hispanic	83.70%	84.56%	86.07%	86.00%	85.43%
Saddleback White Non-Hispanic	84.91%	86.11%	87.54%	87.11%	88.07%
Statewide African-American	77.99%	78.97%	79.97%	80.25%	80.49%
Statewide Asian	86.02%	86.70%	87.81%	87.91%	87.86%
Statewide Hispanic	83.23%	84.05%	85.01%	84.94%	84.48%
Statewide White Non-Hispanic	86.03%	86.73%	87.51%	87.49%	87.50%

## Retention Rates by Type of Instruction (Spring Semesters)
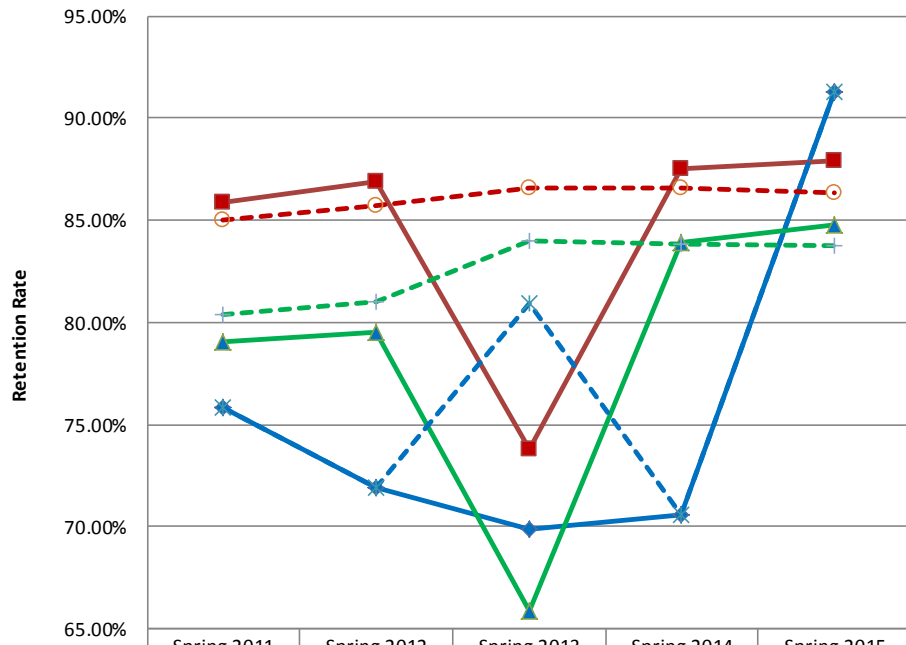
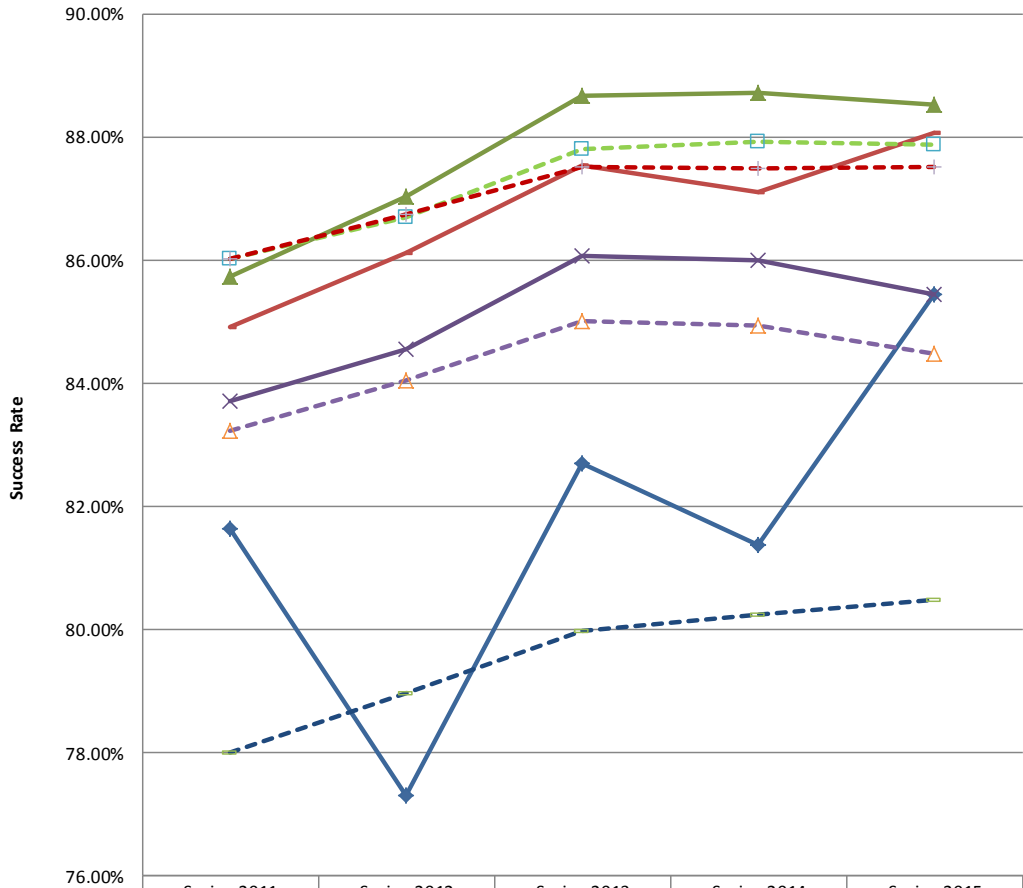|	Spring 2011	Spring 2012	Spring 2013	Spring 2014	Spring 2015
Saddleback Audio one-way (e.g. audio, cassette, radio, etc.)	75.79%	71.93%	69.84%	70.59%	91.30%
Saddleback Non-Distance Education Methods	85.86%	86.89%	73.82%	87.55%	87.93%
Saddleback Simultaneous Interaction (Internet-Based)	79.02%	79.54%	65.89%	83.93%	84.77%
Statewide Audio one-way (e.g. audio, cassette, radio, etc.)	75.79%	71.93%	80.95%	70.59%	91.30%
Statewide Non-Distance Education Methods	84.99%	85.70%	86.55%	86.57%	86.37%
Statewide Simultaneous Interaction (Internet-Based)	80.40%	81.04%	84.02%	83.84%	83.79%

Success Rates (Spring Semesters)
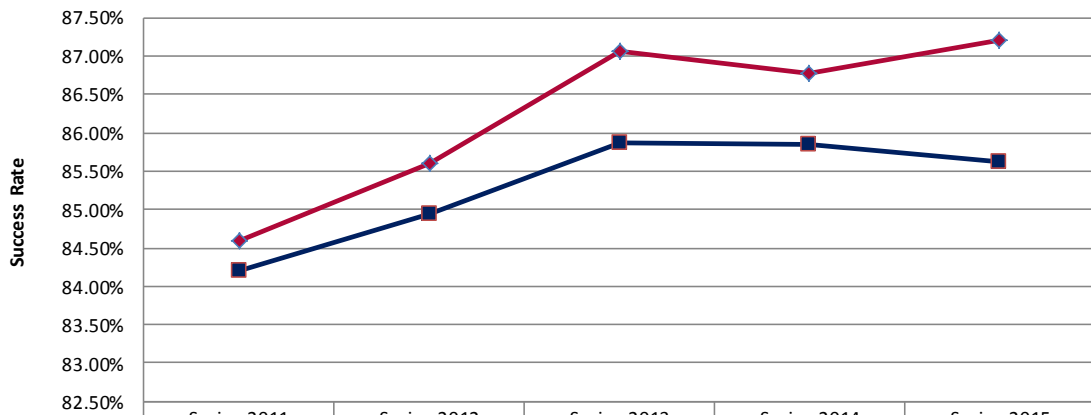
	Spring 2011	Spring 2012	Spring 2013	Spring 2014	Spring 2015
Saddleback College	84.60%	85.61%	87.06%	86.78%	87.21%
Statewide	84.20%	84.94%	85.86%	85.85%	85.63%

Success Rates by Gender (Spring Semesters)
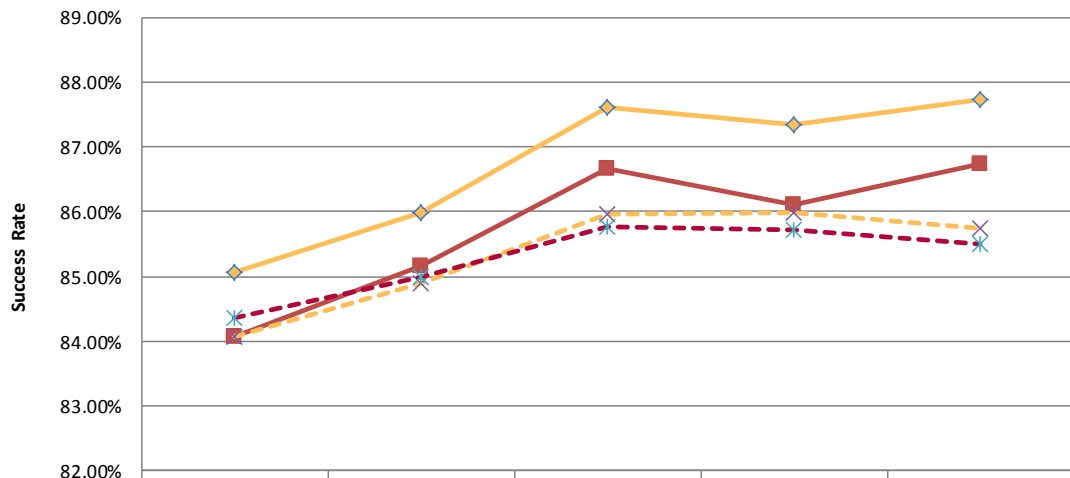
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Saddleback Male	84.06%	85.15%	86.67%	86.11%	86.74%
Statewide Female	84.06%	84.89%	85.96%	85.98%	85.73%
Statewide Male	84.36%	84.99%	85.76%	85.71%	85.51%

Success Rates by Ethnic Groups (Spring Semesters

	Spring 2011	Spring 2012	Spring 2013	Spring 2014	Spring 2015
Saddleback African-American	81.64%	77.31%	82.70%	81.38%	85.45%
Saddleback Asian	85.73%	87.03%	88.66%	88.71%	88.53%
Saddleback Hispanic	83.70%	84.56%	86.07%	86.00%	85.43%
Saddleback White Non-Hispanic	84.91%	86.11%	87.54%	87.11%	88.07%
Statewide African-American	77.99%	78.97%	79.97%	80.25%	80.49%
Statewide Asian	86.02%	86.70%	87.81%	87.91%	87.86%
Statewide Hispanic	83.23%	84.05%	85.01%	84.94%	84.48%
Statewide White Non-Hispanic	86.03%	86.73%	87.51%	87.49%	87.50%

Success Rates by Type of Instruction (Spring Semesters)
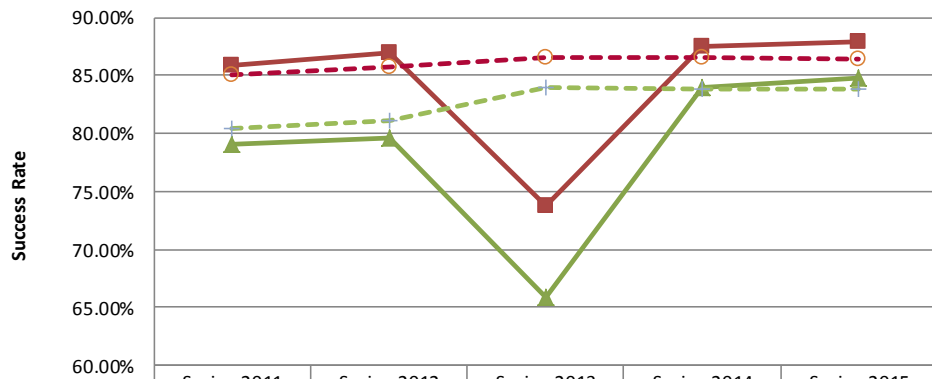
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Saddleback Non-Distance Education Methods	85.86%	86.89%	73.82%	87.55%	87.93%
Saddleback Simultaneous Interaction (Internet-Based)	79.02%	79.54%	65.89%	83.93%	84.77%
Statewide Non-Distance Education Methods	84.99%	85.70%	86.55%	86.57%	86.37%
Statewide Simultaneous Interaction (Internet-Based)	80.40%	81.04%	84.02%	83.84%	83.79%