Institutional Set Standards & Stretch Goals

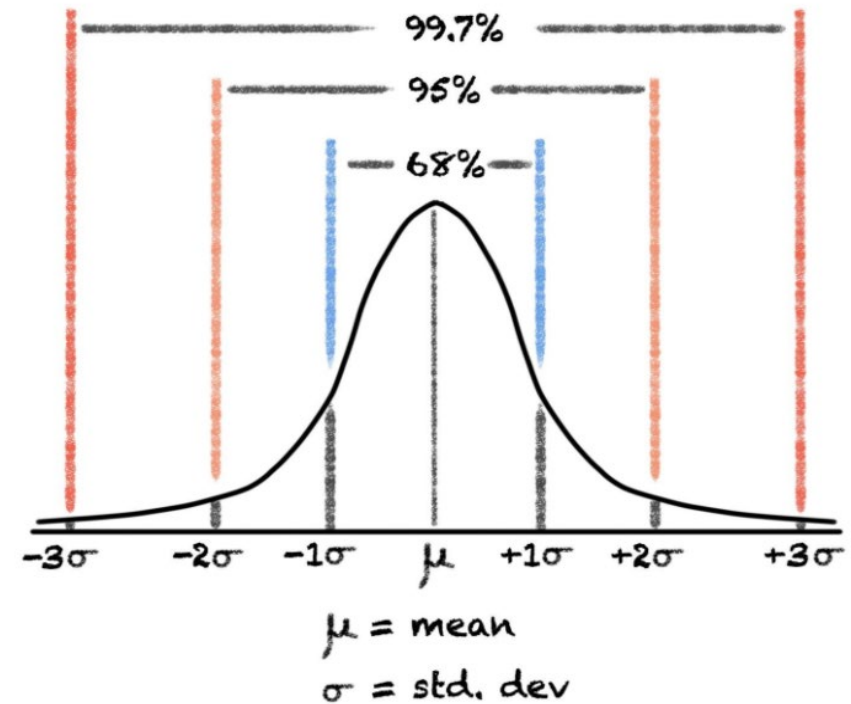Dominique Benavides, Institutional Effectiveness Committee

Goal: Update current Institutional Set Standards by setting a minimum baseline value or "floor" goal and stretch goal (above our current level of performance) for each standard

STANDARD DEVIATION METHOD

- Gather the most recent three to five years of a metric
- Calculate a standard deviation of the metric to see how much the metric varies, on average
- To set the baseline or floor, subtract one standard deviation from mean
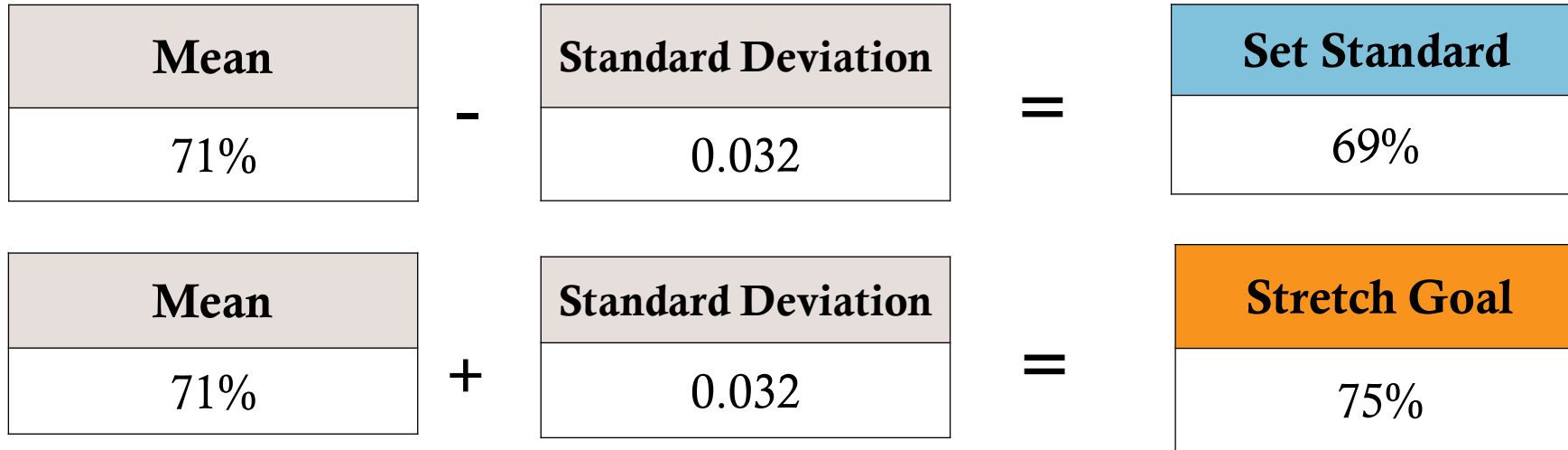- To set the stretch, add one standard deviation from the mean

What's the challenge? **Spring 2020**

Normal Distribution

99.7%
95%
68%

−3σ   −2σ   −1σ   μ   +1σ   +2σ   +3σ

μ = mean
σ = std. dev

2015-16	2016-17	2017-18	2018-19	2019-20
69%	70%	71%	73%	78%

Option #1

Mean		Standard Deviation		Set Standard
71%	-	0.032	=	69%

Mean		Standard Deviation		Stretch Goal
71%	+	0.032	=	75%

Course Completion Rates

Difference between stretch and set standard

6%

2015-16	2016-17	2017-18	2018-19	2019-20
69%	70%	71%	73%	**71%**

Option #2

Mean
71%

-

Standard Deviation
0.014

=

Set Standard
70%

Mean
71%

+

Standard Deviation
0.014

=

Stretch Goal
72%

Course Completion Rates – Less Spring 20

Difference between stretch and set standard

2%

2015-16	2016-17	2017-18	2018-19	2019-20
48%	47%	42%	47%	34%

Mean		Standard Deviation		Set Standard
44%	-	0.052	=	38%

Mean		Standard Deviation		Stretch Goal
44%	+	0.052	=	49%

Student Persistence Rates – Fall to Fall
COA home campus

Difference between stretch and set standard
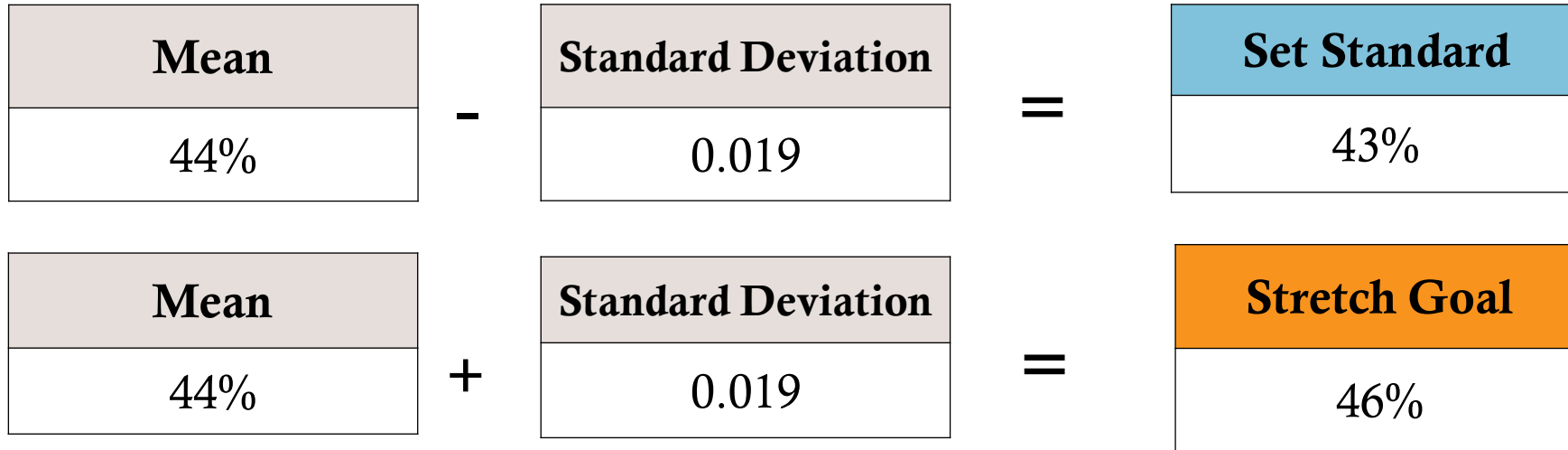
11%

2015-16	2016-17	2017-18	2018-19	2019-20
58%	53%	53%	54%	55%

Mean		Standard Deviation		Set Standard
55%	-	0.019	=	53%

Mean		Standard Deviation		Stretch Goal
55%	+	0.019	=	56%

Student Persistence Rates – Fall to Spring
COA home campus

Difference between stretch and set standard

3%

2015-16	2016-17	2017-18	2018-19	2019-20
45%	46%	44%	46%	41%

Mean		Standard Deviation		Set Standard
44%	-	0.019	=	43%

Mean		Standard Deviation		Stretch Goal
44%	+	0.019	=	46%

Student Persistence Rates – Fall to Fall

Difference between stretch and set standard

3%

2015-16	2016-17	2017-18	2018-19	2019-20
288	343	405	381	385

Mean		Standard Deviation		Set Standard
360	-	41.4	=	319

Mean		Standard Deviation		Stretch Goal
360	+	41.4	=	402

Student Degrees Completion

Difference between stretch and set standard

83

2015-16	2016-17	2017-18	2018-19	2019-20
489	392	392	440	355

Mean		Standard Deviation		Set Standard
414	-	46.4	=	367

Mean		Standard Deviation		Stretch Goal
414	+	46.4	=	460

Student Certificate Completion

Difference between stretch and set standard

93

2015-16	2016-17	2017-18	2018-19	2019-20
135	326	149	183	

Mean		Standard Deviation		Set Standard
198	-	75.8	=	122

Mean		Standard Deviation		Stretch Goal
198	+	75.8	=	274

Student Transfers

Difference between stretch and set standard

152