# STLR Data in the UCO Illume Datamix: Predictive Analyses Regarding STLR Retention Impact

**2018 Q1 Report to the President's Cabinet**

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April 17, 2018

**SAVED FILTERS**

There are no saved filters.

**FILTERS**

Financial Aid

Transfer Credit

Transfer Institutions

Academic Standing

STEM Major

Age

Gender

Ethnicity

Race

Military

Student Modality

Prediction Score

Prediction Percentile

Total Credits Earned

STLR Tenet

STLR Students ●

STLR Competency Level

STLR Activity Type

## OVERVIEW

**ACTIVE FILTERS**   Clear All

7,457 of 14,455 Active Students ⓘ

| Academic Level | Undergraduate ✕ | Graduate ✕ | STLR Students | STLR ✕ |

Save Filter ▾

**PERSISTENCE PREDICTION**

Active Filter - 7,457

88%

All Students - 14,455

79%

Spring 2018 - Fall 2018

**PREDICTION DISTRIBUTION - SPRING 2018 - FALL 2018** ⓘ

| | |
|---|---|
| Very Low | 1% |
| Low | 2% |
| Moderate | 5% |
| High | 28% |
| Very High | 64% |

7,457
Active Students
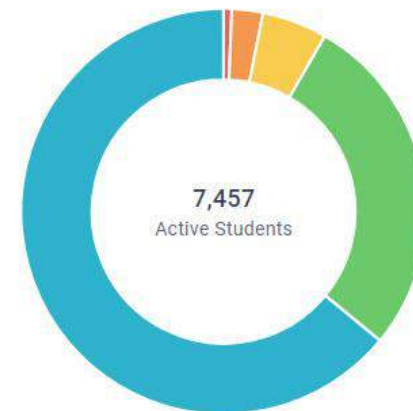
**POWERFUL PREDICTORS**                                                Show all

| | | | |
|---|---|---|---|
| 1 | Standard Deviation of On-ground GPA (Prior Year) ⓘ | 6 | Degree Program Alignment Score (Cumulative) ⓘ |
| 2 | Average Number of Days Enrolled Before Start (Current Term) ⓘ | 7 | Merit Based Aid Per Attempted Credit Hour (Cumulative) ⓘ |
| 3 | GPA (Prior Term) ⓘ | 8 | High School GPA ⓘ |
| 4 | Institutional Credits Earned (Cumulative) ⓘ | 9 | Distinct 2 Digit Course CIP Codes (Current Term) ⓘ |
| 5 | Online GPA (Cumulative) ⓘ | 10 | Change in GPA ⓘ |

# PAIRED PREDICTOR PLOT

X: **GPA (Cumulative)** ▾     Y: **STLR Students** ▾

STLR Students Split: Non-STLR / STLR

**7.15**
87.73% PR
5,661 : 792

**16.95**
94.43% PR
6,814 : 402

**5.57**
84.78% PR
23,763 : 4,266

**2.85**
74.03% PR
5,480 : 1,922

**5.05**
83.47% PR
5,808 : 1,150

GPA (Cumulative) Split: ≥ 3.08

## GPA (Cumulative) vs. STLR Students

STLR Students

STLR

Non-STLR

0.31  0.49  0.68  0.86  1.05  1.23  1.42  1.60  1.79  1.97  2.16  2.34  2.52  2.71  2.89  .08  3.26  3.45  3.63  3.82
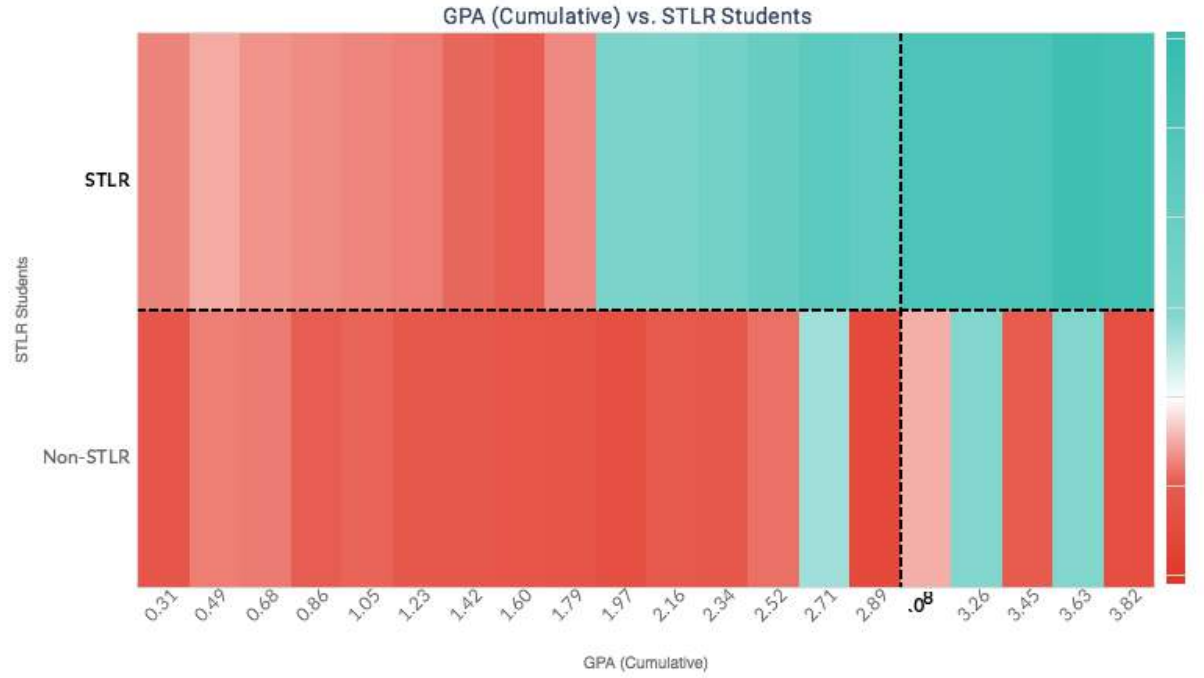
GPA (Cumulative)

# PAIRED PREDICTOR PLOT

X: Online GPA (Cumulative) ▼    Y: STLR Students ▼

## Online GPA (Cumulative) vs. STLR Students

STLR Students Split: Non-STLR / STLR

| | |
|---|---|
| **10.96**<br>91.64% PR<br>3,703 : 338 | **19.97**<br>95.23% PR<br>3,795 : 190 |
| **3.97**<br>79.87% PR<br>3,737 : 942 | **6.20**<br>86.10% PR<br>2,906 : 469 |

**7.29**
87.94% PR
14,141 : 1,939

Online GPA (Cumulative) Split: ≥ 3.20



STLR

Non-STLR

STLR Students

0.00  0.20  0.40  0.60  0.80  1.00  1.20  1.40  1.60  1.80  2.00  2.20  2.40  2.60  2.80  3.00  3.20  3.40  3.60  3.80

Online GPA (Cumulative)
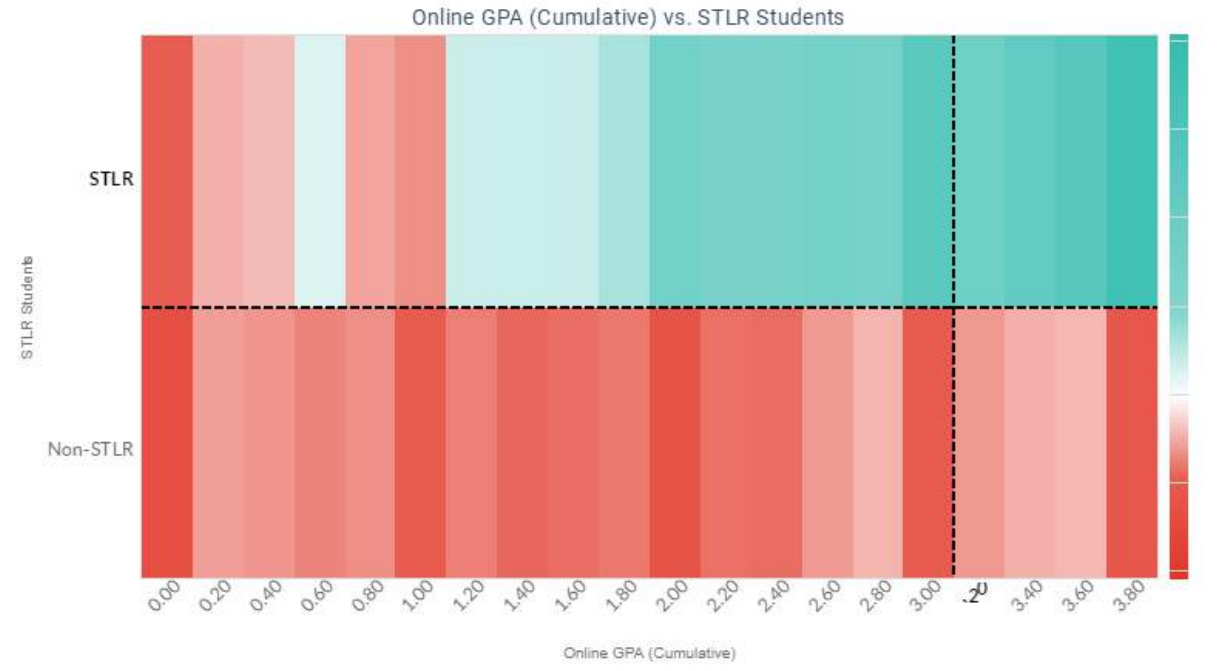
**PAIRED PREDICTOR PLOT**

X: High School GPA ▾    Y: STLR Students ▾

High School GPA vs. STLR Students

STLR Students Split: Non-STLR / STLR

| 7.12 | 14.22 |
| 87.69% PR | 93.43% PR |
| 4,358 : 612 | 5,517 : 388 |

**4.90**
83.04% PR
16,767 : 3,424

| 2.66 | 3.10 |
| 72.66% PR | 75.64% PR |
| 3,772 : 1,419 | 3,120 : 1,005 |

High School GPA Split: ≥ 3.43

STLR

STLR Students

Non-STLR

1.72  1.83  1.95  2.06  2.18  2.29  2.40  2.52  2.63  2.75  2.86  2.97  3.09  3.20  3.32  3.43  3.54  3.66  3.77  3.89

High School GPA
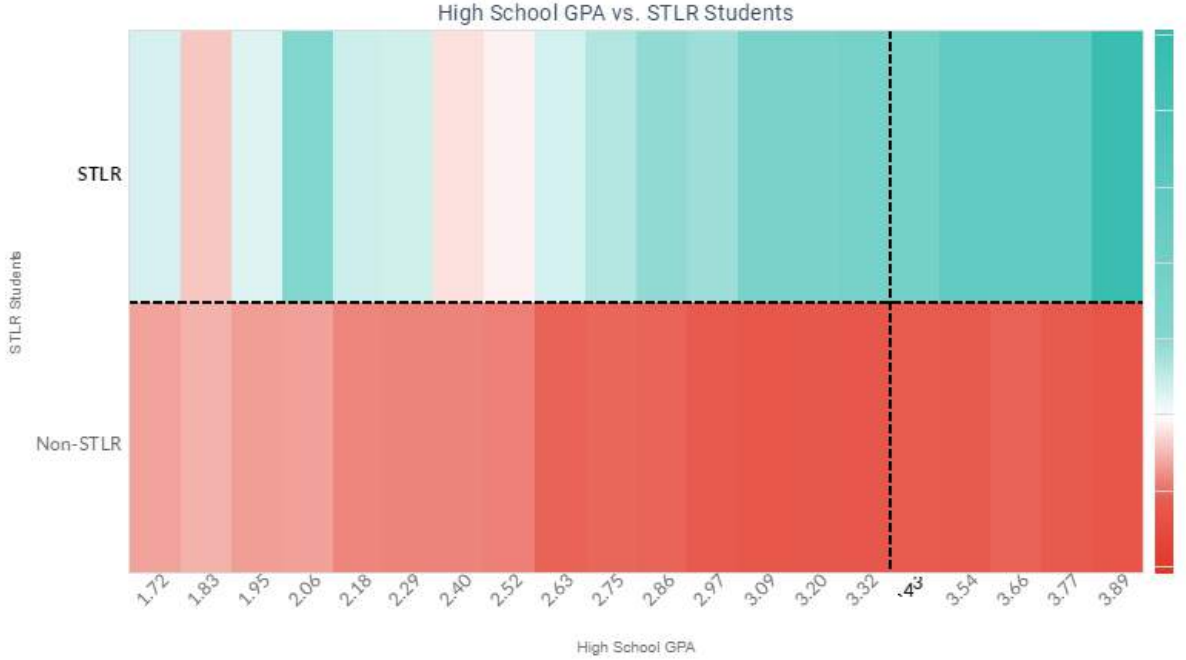
# PAIRED PREDICTOR PLOT

**X:** Max ACT Composite Score ▾   **Y:** STLR Students ▾



STLR Students Split: Non-STLR / STLR

**8.22**
89.15% PR
4,750 : 578

**12.86**
92.78% PR
5,362 : 417

**5.06**
83.50% PR
17,789 : 3,514

**2.98**
74.89% PR
3,562 : 1,194

**3.11**
75.64% PR
4,115 : 1,325

Max ACT Composite Score Split: ≥ 21.50

## Max ACT Composite Score vs. STLR Students

STLR

STLR Students

Non-STLR

9.00   11.50   14.00   16.50   19.00   21.50   24.00   26.50   29.00   31.50   20

Max ACT Composite Score