CIVITAS LEARNING

Los Rios Community College District

Our Work Together

CIVITAS INSIGHT & ACTION ANALYTICS

ILLUME

for

INSTITUTIONAL LEADERSHIP & RESEARCH

DEGREE MAP

for

ADVISORS, STUDENTS & FACULTY

INSPIRE

for

ADVISORS, STUDENTS, FACULTY & ADMINISTRATORS

CIVITAS PLATFORM

DATA PROCESSING, DATA VALIDATION, PREDICTIVE MODELING, APP STACK

A COMMUNITY OF PRACTICE

DISCOVER
Build hypotheses

DEVELOP
Learning plan

LEARN
User Training

ALIGN GOALS
Establish Success Criteria

LAUNCH
Try, test, iterate

INSTITUTIONAL READINESS

TECHNICAL DEPLOYMENT

ACCESS
Prepare and transfer data

ORGANIZE & MODEL
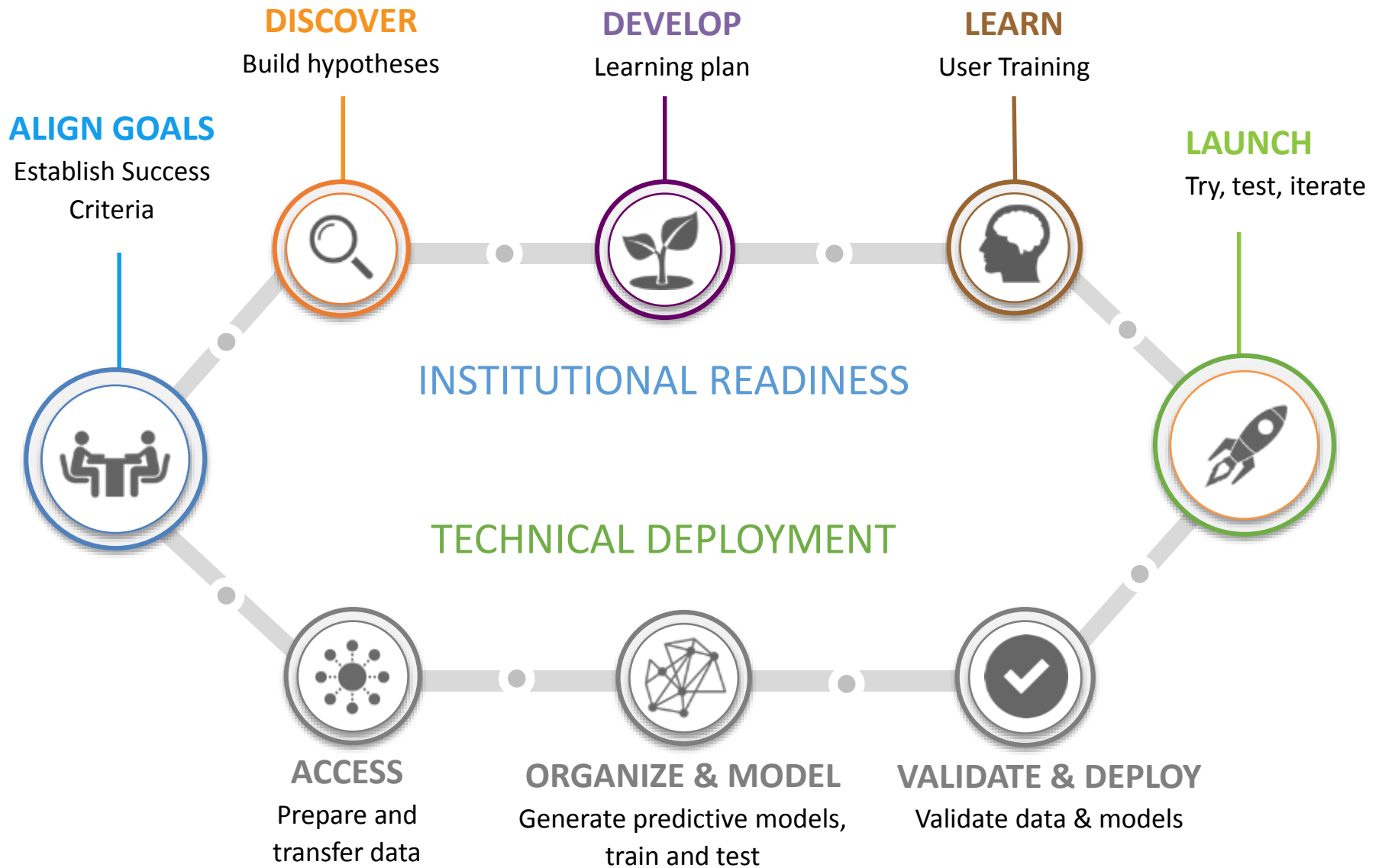Generate predictive models, train and test

VALIDATE & DEPLOY
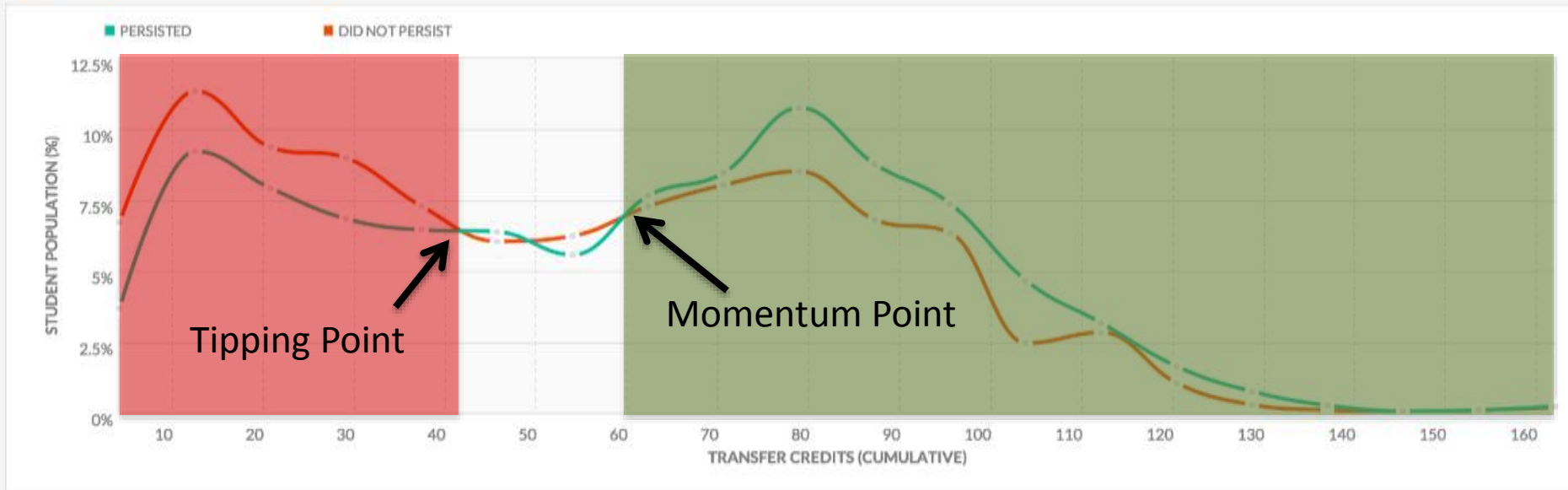Validate data & models

TWO KEY WAYS OF USING ILLUME

- Discover institutional insights through exploration of Illume's Powerful Predictors and filters.

  – **HYPOTHESIS** – Use Illume to validate or disprove an institutional hypothesis. What variables do you think impact persistence for various student populations?

  – **EXPLORATORY** – Use filters to explore Powerful Predictors and drill down to insights.

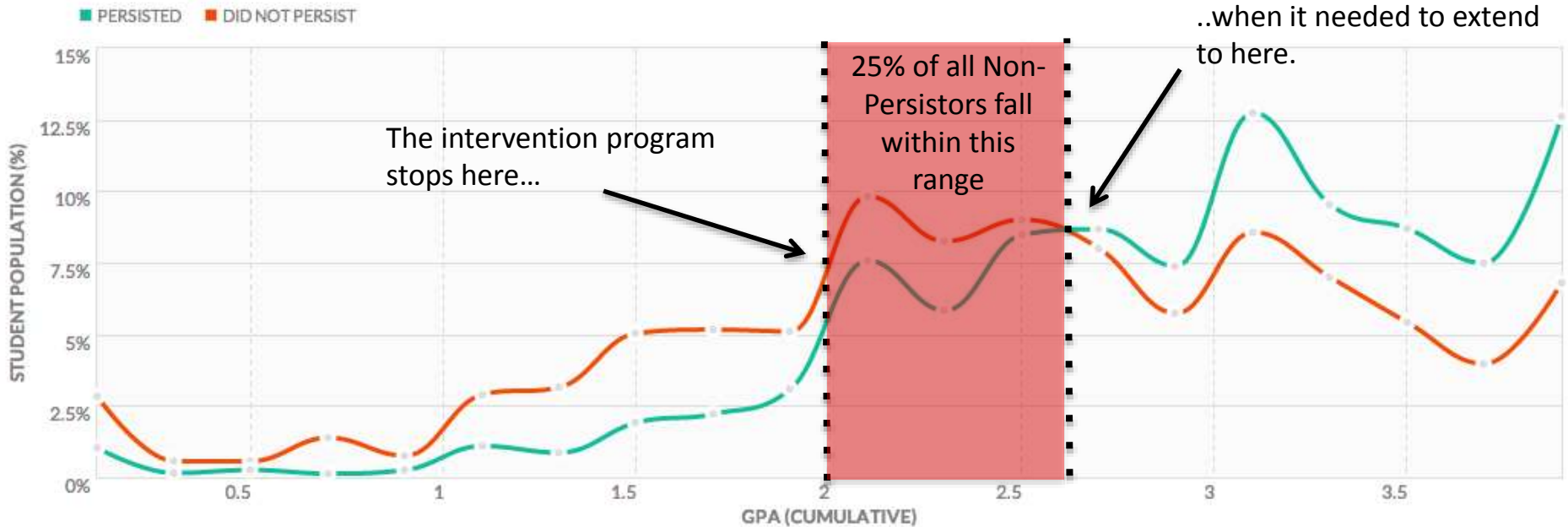- Let's start with the Hypothesis approach.

Hypothesis: *We believe that students who transfer into our college with credits from another institution are more likely to persist than students who have no transfer credits.*

The Data Says: *True, but only if the student is transferring at least 40 and ideally 60 credits. Students with less than 40 credits have a substantial risk of non-persistence.*

Institution Insight: Cumulative GPA is a powerful predictor of persistence with a clear tipping point at 2.6.

..when it needed to extend to here.

25% of all Non-Persistors fall within this range

The intervention program stops here...

PERFORMANCE VARIABILITY FOR ON-GROUND INTERACTION

STANDARD DEVIATION OF ON-GROUND GPA (PRIOR YEAR) ⓘ

■ PERSISTED - 75.57% (40.30%)   ■ DID NOT PERSIST - 24.43% (13.03%)   ⓘ   BINNED SAMPLE COUNT: 37091 OF 69556 (53.33%)

CIVITAS LEARNING LABS: RESEARCH AGENDA

- Loss, tipping, & momentum points in student pathways to a degree or credential

- Deeper learning strategies

- Late enrollment dilemmas

- Financial aid vs. self pay dynamics

- Intervention and inspiration science about what works in the "Activation Zone," when early indicators show the need for support

- Part-time attendance dynamics

- Online, on-ground, and blended modality differences and synergies

- Online and blended course success strategies

- Gender gaps—men overall, women in STEM

- Incoming student success

- Undeclared major dangers and strategies to help students find purpose

- Gatekeeper and milestone courses

CIVITAS LEARNING LABS: RESEARCH AGENDA

- Right-sizing/optimizing financial aid packages, suggesting financial aid packages
- Transfer student dynamics, including strategies to incent "productive transfer" (e.g., transferring from a community college after obtaining an associates degrees)
- Dev Ed innovation
- Recovery from failure, tenacity, grit, mindset; the family of non-cog research
- STEM completion initiatives

- STEAM initiatives, combining arts with STEM
- Historically Black Colleges and Universities (HBCU) and Hispanic Serving Institutions (HSI)- the vision, opportunity, and challenges
- Semester shock after transfer
- Expectations shock for high school, transfer, or returning students
- Distance learning challenges and opportunities
- First-generation student success

TURN ON YOUR OWN LIGHTS

DEVELOP TRY AND TEST MINDSETS

ACCEPT ANALYTICS AS MISSION CRITICAL

USE DESIGN THINKING ON THE FRONT LINES

CATALYZE CONVERSATIONS ABOUT ANALYTICS

TAKE SYSTEMS & CULTURE SYNC SERIOUSLY

LEAD IN THE AGE OF ANALYTICS

IMMEDIATE NEXT STEPS

- Decisions on final data and filter customizations

- Illume Power User Training

- Civitas to provide Course Insights & Degree Analytics with help from LRCCD Research Team

- Begin work around additional data sources