Improving Data Literacy and Usage at Panama-Buena Vista Union School District

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California Collaborative for Educational Excellence
Panama- Buena Vista Union School District

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Agenda

- **Welcome**
- Overview of CCEE Data Academy
- Introduction to P-BVUSD
- P-BVUSD Learnings from Data Academy
- Applications at P-BVUSD
- Lessons for the Field
- Closing

Welcome and Introductions



Courtney McMahan

Director of Technology and Data

P-BVUSD



Jim Shen

Assistant Director

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Cody Weller

Program Specialist

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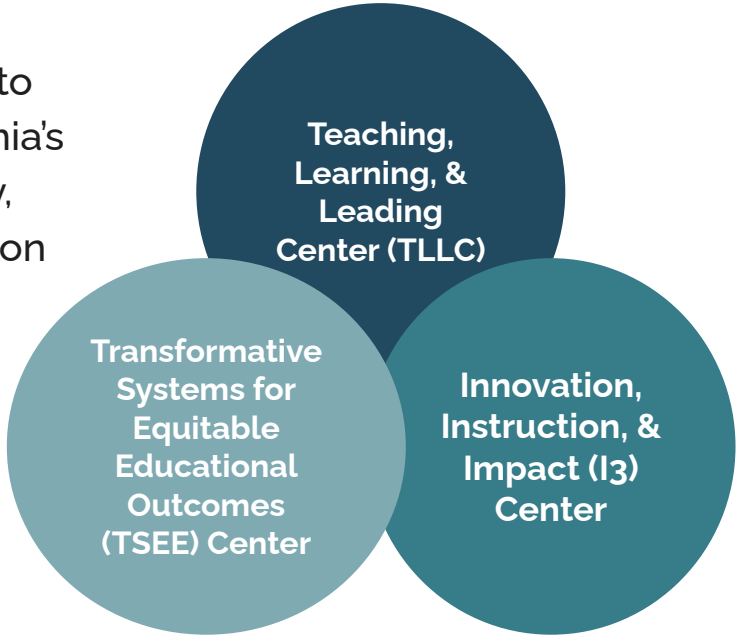
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Overview of CCEE Data Academy

Who is the California Collaborative for Educational Excellence (CCEE)?



Statewide leader whose mission is to deliver on California's promise of quality, equitable education for every student



CCEE's Data Academy

Purpose: Strengthen LEAs' data capacity to drive improvement in student outcomes

	Data Literacy	Data Inquiry	Data Leadership
	Data Analysts	School-Site Principals	LEA Senior Leaders
	Strengthen data analysis skills	Lead data convos and inquiry cycles at school sites	Influence mindsets, culture, systems in LEA
	Data Storytelling Capstone	Data Leadership Plan	Case Studies

CANVAS

Asynchronous modules:
Assignments, discussion posts, assessments, feedback survey

zoom

Synchronous sessions:
Guest speakers, breakout rooms (application/workshop), feedback survey

Introduction to P-BVUSD

Demographic Information

P-BVUSD Student Population Breakdown

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TOTAL ENROLLMENT

19,279

All Students

KEY STUDENT GROUPS

Socioeconomically Disadvantaged **14,858**
Students with Disabilities **3,288**
English Learners **2,174**
Long-Term English Learners **225**
Foster Youth **172**
Homeless Youth **91**

RACE & ETHNICITY DISTRIBUTION

12,080
Hispanic / Latino

2,308
White

2,172
Asian

1,469
African American

OTHER RACE & ETHNICITY GROUPS

Declined to State **602**
Filipino **118**
Two or More Races **437**
American Indian **55**
Pacific Islander **38**

P-BVUSD Learnings from Data Academy

Understanding Data Ecosystems

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01

Multiple levels

Local, state, and federal priorities shape how data is collected and used.

02

Multiple systems

Student information, special education, and assessment platforms each provide part of the picture.

03

Multiple purposes

Data supports instruction, accountability, equity, student services, and operations.

04

Multiple perspectives

People's roles, access, and experience influence how they understand and use data.

A data ecosystem is more than a dashboard.

People + Processes + Tools + Data → Action

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Leveraging AI to Support Equity and Access

AI can help us:

01
Analyze large amounts of information

02
Identify patterns and themes

03
Translate technical information for different audiences

04
Make data more accessible

05
Ask better questions

But we must still ask:

Whose perspective is represented? What bias might exist? Who could be missing?

Effective Data Storytelling

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Data ≠ Data Story

DATA REPORTING

"Here are the numbers."

DATA STORYTELLING

"Here is what the numbers tell us, why it matters, and what we should consider doing next."

Recommended Framework Sequence:

01 **Audience** ▶ 02 **Context** ▶ 03 **Evidence** ▶ 04 **Meaning** ▶ 05 **Action**

Applications at P-BVUSD

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African American Student Success Network

A collaborative improvement network of California school districts and county offices focused on:

01

Understanding student experiences through data

02

Identifying and minimizing equity gaps

03

Learning across districts

04

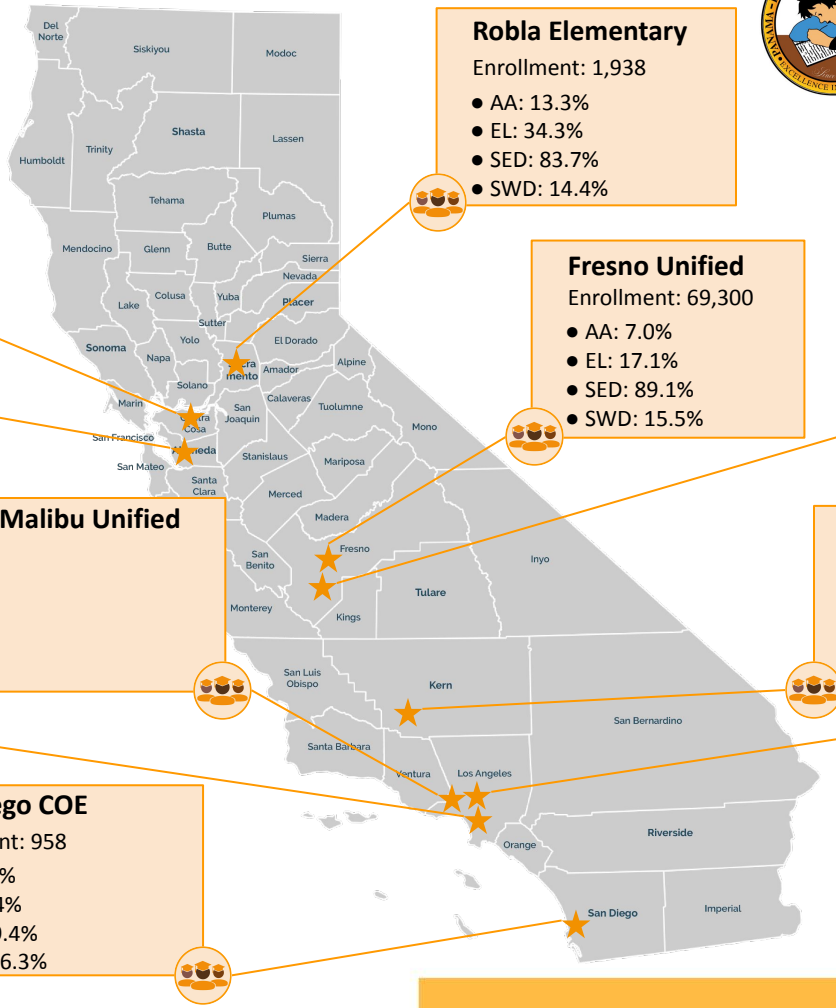
Testing approaches to improve outcomes

05

Sharing practices and evidence

The African American Student Success Network

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Pittsburg Unified
10,716 students
- AA: 15.4%
- EL: 22.9%
- SED: 75.4%
- SWD: 14.0%

Robla Elementary
Enrollment: 1,938
- AA: 13.3%
- EL: 34.3%
- SED: 83.7%
- SWD: 14.4%

Fresno Unified
Enrollment: 69,300
- AA: 7.0%
- EL: 17.1%
- SED: 89.1%
- SWD: 15.5%

Kern High
Enrollment: 69,300
- AA: 5.1%
- EL: 9.4%
- SED: 82.9%
- SWD: 12.5%

San Lorenzo Unified
Enrollment: 7,833
- AA: 7.9%
- EL: 31.6%
- SED: 74.5%
- SWD: 14.9%

Santa Monica-Malibu Unified
Enrollment: 8,526
- AA: 6.6%
- EL: 4.9%
- SED: 26.9%
- SWD: 15.3%

Panama-Buena Vista Union
Enrollment: 19,351
- AA: 7.5%
- EL: 12.4%
- SED: 79.7%
- SWD: 15.0%

Lynwood USD
Enrollment: 10,373
- AA: 4.2%
- EL: 23.7%
- SED: 96.8%
- SWD: 18.8%

San Diego COE
Enrollment: 958
- AA: 9.4%
- EL: 34.4%
- SED: 89.4%
- SWD: 36.3%

Glendale Unified
Enrollment: 25,281
- AA: 0.9%
- EL: 20.4%
- SED: 64.6%
- SWD: 10.4%

Problem of Practice

Using this year to understand the state of the district data around engagement to create baseline data for next year to improve student and family survey processes to better assess school climate.

01	02	03	04	05
Collect	Disaggregate	Visualize	Question	Improve

District LCAP Dashboard

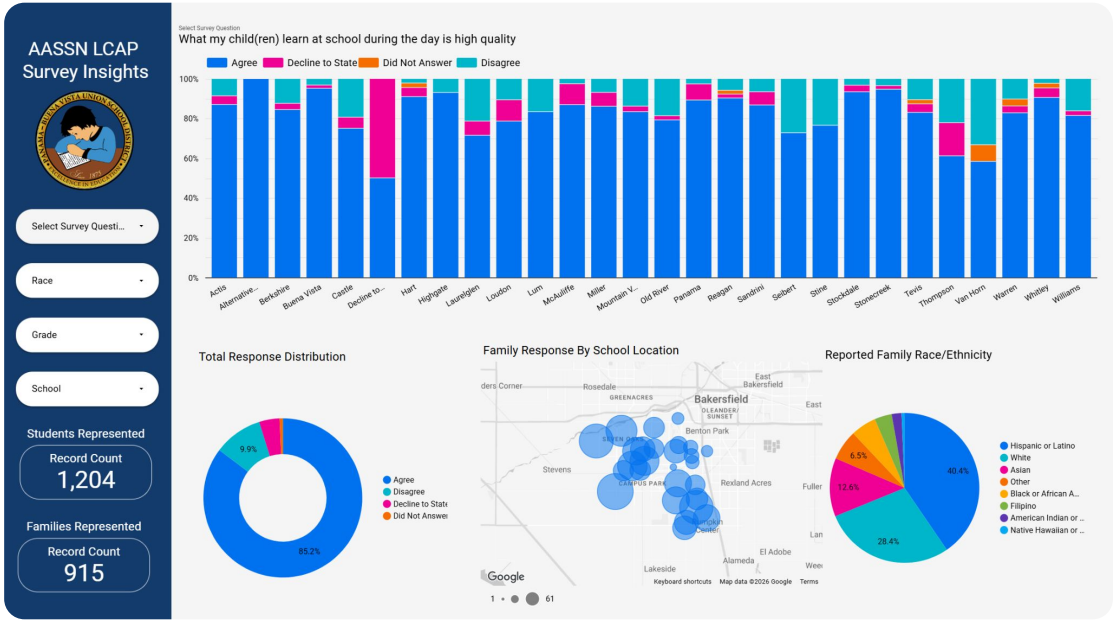
Driving Questions for Data Analysis

Demographics
WHO responded?

Equity & Inclusion
WHO may be missing?

Actionable Feedback
WHAT should we do differently next time?

Data Integrity
Is data appropriately represented?



From Dashboard to Improvement

Actionable Next Steps

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01

Improve Response Rates

Focus on increasing survey participation and engagement across all groups.

02

Identify Underrepresented

Pinpoint missing demographics and target underrepresented student groups.

03

Refine Survey Questions

Improve question design to collect clearer, more actionable feedback.

04

Strengthen Distribution

Optimize distribution channels to maximize reach across all platforms.

05

Compare Over Time

Track progress longitudinal trends to evaluate growth over time.

06

Inform LCAP Conversations

Apply key findings directly to drive school improvement dialogues.

Lessons for the Field

Transforming Data into Actionable Information

Guiding Principles for Impactful Data Use

01

Start with the Audience

Different audiences need different levels of detail.

02

Context Matters

A number without context can easily be misinterpreted.

03

Disaggregate First

District averages can hide important differences.

04

Make Data a Routine

Data should live in leadership conversations—not only annual reports.

05

End with Action

What should happen because we know this?

Greatest Takeaways

Key Insights for Future Impact

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01

Think Systemically

Understand the entire data ecosystem.

02

Use AI Thoughtfully

Leverage AI while remaining aware of bias and limitations.

03

Make Data Visible

Tools such as Data Studio can improve access and understanding.

04

Tell the Story

Focus on what the audience needs to understand.

05

Learn Together

Cross-district collaboration strengthens the work.

Questions?

Resources

Interested in joining a future Data Academy cohort? Fill out this form to get notified of future Data Academy opportunities.

Learn more about CCEE's Data Academy and our other learning networks!

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You Have the Data. Can You Put It to Work?

Thank you!



Courtney McMahan



Jim Shen



Cody Weller

Questions?