AERIESCON
Spring 2024

Analytics - Advanced Applications

SESSION # 228

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March 08, 2024 / Period 2

About This Session

Aeries Analytics:

- Provides data-packed dashboards to guide data-driven decision making.
- This session will show how to take the power of AA data further using two features that can automate student progress monitoring.

Dynamic Student Groups

- Automate entry/exit of students reflecting one or more AA data levels / data elements

Extended Field Query

- Simplify complex Query statements by using AA defined data elements.

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Session Goals

AA Advanced Applications

- Setting up Dynamic Student Groups using Aeries Analytics data results
- Configuring Extended Field Query Labels of Aeries Analytics Data
- Building and Running Queries using Aeries Analytics Extended Field Labels

Potential Uses

- How will you use these tools to create a customized student performance monitoring system?
- What data elements will you use to create Dynamic Student Groups and how will you use these groups to monitor student progress?
- "Visioning" the uses of these Aeries Analytics features

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AA Advanced Applications Take-aways

Aeries Analytics data can automatically drive Dynamic Student Groups to save time; Extended Field Query simplifies complex Query statements to extract data to monitor student progress.

Using what you have learned today ,,,

- What AA interactive data will "drive" your Dynamic Student Groups to monitor student performance.

- In what ways do you anticipate using these features?

- What multiple data report(s) will you create using AA Extended Field Query to monitor student progress toward program advancement?

- Please complete the Survey for this session: Aeries Analytics: Advanced Applications (Session 228).

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Resources

- ## Related Conference Sessions

- ## Session Resources

  - Dynamic Student Groups – AA Data / STU Data (screenshot)
  - Extended Field Query Box if Query includes STU Table (screenshot)
  - Extended Student Fields Configuration / Naming Conventions (screenshot)
  - Sample Queries using Extended Student Fields
  - Extended Query Fields: Qualifying Value vs. Level
  - Case Study: ELPAC English Learner Progress Indicator (ELPI)

- ## Aeries Resources

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Related Conference Sessions

- **# 220   Aeries Analytics – Intro to Dashboards & Early Warning System**

  An overview of Aeries Analytics and the Early Warning System and how Aeries Analytics can be used by district and school staff to easily access a wide variety of student data indicators ad identify students who may need interventions. This session is intended for districts who have not previously implemented Aeries Analytics.

- **# 225   Aeries Analytics – Advanced Analysis of Student Data**

  This session is targeted to districts that have purchased Aeries Analytics. This session will review the process on how to set up and configure Analytics Items and Dashboards, including how to create and manage Item Definitions, how to create and manage Dashboards, with specific examples of commonly used Dashboard Items. This session is great for users who need a refresher on how to use Analytics or for attendees who are new to Analytics.

- **# 227   Aeries Analytics – Best Practice Case Studies Roundtable**

  This session will demonstrate how school districts are using Aeries Analytics to monitor and track student success with great results. See how school staff are using Aeries Analytics to identify at-risk students and develop common counseling curriculum around academic/college/career goals and social/emotional development for all students.

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Session Resources

Link to Session 228 Aeries Analytics Advanced Applications:
https://support.aeries.com/support/solutions/articles/14000121200-session-228-aeries-analytics-advanced-applications-dynamic-groups-and-extended-field-query

Dynamic Student Groups
- Dynamic Analytics Group (based on AA data)
- Dynamic Group (based on STU field)
   The group dynamically updates the list of students to match data in Aeries Analytics or the selected Student criteria.
   NOTE: If more than one AA item is selected, the logic is -OR- (not AND); If you create a dynamic group of students with low Language and Math scores the group will include:
- Students with only low Language scores
- Students with only low Math scores
- Students with both Language and Math scores
   With Aeries Communications, selecting the Communications View option automatically creates the Group in Aeries Communication.

Session Resources

Link to Session 228 Aeries Analytics Advanced Applications:
https://support.aeries.com/support/solutions/articles/14000121200-session-228-aeries-analytics-advanced-applications-dynamic-groups-and-extended-field-query

Extended Field Query using Aeries Analytics (AA)
- Extended Fields box appears when Query includes STU table
- Extended fields are available for AA Items
  - Free LCAP Dashboards
  - District-created Dashboards
- This feature seamlessly integrates data from AA into Query results with no complex syntax.
- Extended Student Fields behave like fields in the Student Data (STU) table which makes them easy to incorporate into new or existing queries.

Session Resources

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https://support.aeries.com/support/solutions/articles/14000121200-session-228-aeries-analytics-advanced-applications-dynamic-groups-and-extended-field-query

Extended Student Fields Configuration
- Configuration page displays all AA Items (LCAP and NON-LCAP dashboard items).
- Configuration page available to admins and users with Update permission to Item Definitions.
- Use the page to define the Extended Field names that will be used in Query.
- **Query Column Title** is the name that will appear and be used in Query.; define Extended Field names.
- NOTE: if an Extended Fields title is changed, previously saved queries will no longer work.

Update Extended Query Column Titles

	Query Column Title	Title	Short Title	System	Item Type
✏️		UC A-G: B - English	A-G ENG	NON-LCAP	College Entrance Requirements
✏️		UC A-G: F - VAPA	A-G VAPA	NON-LCAP	College Entrance Requirements
✏️		UC A-G: G - College Prep Elective	UC Elec	NON-LCAP	College Entrance Requirements
✏️	RACE	Race Ethnicity	RacEthnic	LCAP	Race Ethnicity
✏️	ATT_PERC	Att % Chronic	Chronic	LCAP	ATT Percentage
✏️	ABSENCE_COUNT	All Day Unexcused Absence Count	ADayUnxAbs	LCAP	ATT Threshold

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Extended Student Fields Query Command Uses:

- List all students' special education status
  LIST STU ID NM SPECIALED

- Get an overall count of students in special education and students not in special education
  TOTAL STU SPECIALED BY SPECIALED

- Skip all students in special education
  SKIP STU IF SPECIALED = "YES"

- Keep only students in special education
  KEEP STU IF SPECIALED = "YES"

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Session Resources

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Extended Student Fields Query Command Uses:

- Extended Fields can be used as the value to change TO.
  CHANGE STU U9 TO SBAC_ELA.LEVEL

- NOTE: Extended Field values cannot be changed, however. The following is not allowed:
  CHANGE STU SBAC_ELA.LEVEL TO 5

- The Extended fields can be used to filter and sort records like any other field.
  LIST STU ID NM GR SBAC_ELA IF SBAC_ELA < 4
  LIST STU ID NM GR ENGLISH_GRD BY ENGLISH_GRD IF ENGLISH_GRD # " "

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Qualifying Value and Level

Each **Extended Field** actually has two properties: the qualifying value and the level. These properties have different meanings depending on the type of Analytics item on which the Extended Field is based. Examples of qualifying values and levels can be Found on **Student Indicator Details** page for a student.

By default, the qualifying value is returned when an Extended Field is used in a query.
To use the level instead, append .LEVEL to the end of the name; e.g., SBAC_ELA.LEVEL

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- A Case Study – ELPAC and ELPI Scores
  - Issue: ELPAC Levels 1 – 4 ... Ranges are too wide to differentiate progress
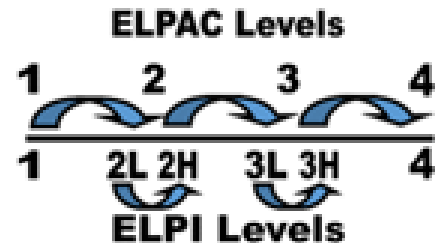 - ELPI Levels created to show progress toward English Language Proficiency

California School DASHBOARD

English Learner Progress Indicator

The English Learner Progress Indicator (ELPI) shows the percentage of current English learners making progress towards English language proficiency or maintaining the highest performance level on the end-of-year English Language Proficiency Assessments for California (ELPAC).

Using ELPAC Results to Measure Progress

English learners take the ELPAC to measure progress towards English language proficiency. Each student receives one of four ELPAC performance levels. The four ELPAC performance levels are then divided into six ELPI levels to allow students enough time to demonstrate progress toward English language proficiency in the ELPI.

ELPAC Levels
1   2   3   4
1   2L 2H   3L 3H   4
ELPI Levels

2023 Dashboard Technical Guide:
ENGLISH LEARNER
PROGRESS INDICATOR
A Grade One through Grade Twelve Indicator

California School DASHBOARD

Prepared by the California Department of Education
Available on the CDE California School Dashboard
and System of Support Web Page.
November 2023

LINK to CDE Documentation
2023 Dashboard Technical Guide (English Lerner Progress):

https://www.cde.ca.gov/ta/ac/cm/documents/dbguideelp23.docx

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- Aeries Analytics – ELPAC Levels 1-4
  - Rather than eliminating ELPAC Levels, ALSO create new ELPI Levels
  - Create Item Definition, Label Layout, and Student SubGroup
  - The maximum # of levels in AA is 5, so to track improvement, we used:
    - ELPI Level 1 (Same as ELPAC Level 1)
    - ELPI Level 2L
    - ELPI Level 2H
    - ELPI Level 3L
    - ELPI Level 3H

ELPI Overall Score ▾   Definition   Student Sub Groups   Summary Data   Label Layouts

| Save | Cancel | Delete | Copy |

Title ELPI Overall Score

Short Title ELPI

Type TST ▾

Label Layout ELPI Ranges ▾

Early Warning Indicator ☐

Last Updated 2/15/2023 2:02 PM

Test Id ELPAC | Eng. Lang. Prof. Assessm. California ▾

Test Part 0 | Eng. Lang. Prof. Assessm. California ▾

Date Options Date Range ▾   From 01/01/2022 📅 to 06/30/2023 📅

Score Field SS | Scale Score ▾

| Save | Cancel | Delete | Copy |

Grade	NA	1 – ELPI Level 1	EWR 1	2 – ELPI Level 2L	EWV 2	3 – ELPI Level 2H	EWV 3	4 – ELPI Level 3L	EWV 4	5 – ELPI Level 3H	EWV 5
All	☐	0 – 0	0	0 – 0	0	0 – 0	0	0 – 0	0	0 – 0	0
K	☐	1150 – 1373	0	1374 – 1397	0	1398 – 1421	0	1422 – 1447	0	1448 – 1473	0
1	☐	1150 – 1410	0	1411 – 1432	0	1433 – 1454	0	1455 – 1480	0	1481 – 1506	0
2	☐	1150 – 1423	0	1424 – 1446	0	1447 – 1470	0	1471 – 1500	0	1501 – 1531	0
All	3	☐	1150 – 1447	0	1448 – 1467	0	1468 – 1487	0	1488 – 1510	0	1511 – 1534
All	4	☐	1150 – 1458	0	1459 – 1478	0	1479 – 1498	0	1499 – 1523	0	1524 – 1548
All	5	☐	1150 – 1466	0	1467 – 1489	0	1490 – 1513	0	1514 – 1536	0	1537 – 1559
All	6	☐	1150 – 1474	0	1475 – 1495	0	1496 – 1516	0	1517 – 1541	0	1542 – 1566
All	7	☐	1150 – 1480	0	1481 – 1503	0	1504 – 1526	0	1527 – 1550	0	1551 – 1575
All	8	☐	1150 – 1485	0	1486 – 1509	0	1510 – 1533	0	1534 – 1561	0	1562 – 1589
All	9	☐	1150 – 1492	0	1493 – 1518	0	1519 – 1544	0	1545 – 1574	0	1575 – 1605
All	10	☐	1150 – 1492	0	1493 – 1518	0	1519 – 1544	0	1545 – 1574	0	1575 – 1605
All	11	☐	1150 – 1499	0	1500 – 1526	0	1527 – 1554	0	1555 – 1584	0	1585 – 1614
All	12	☐	1150 – 1499	0	1500 – 1526	0	1527 – 1554	0	1555 – 1584	0	1585 – 1614

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- ELPI Level 1 transition scores (top SS) in ELPI Level 1 are:
  - 6th grade: 1474
  - 7th grade: 1480
  - 8th grade: 1485
  - 9th / 10th grade: 1492
  - 11th / 12th grade: 1499

- How would you use this data? ...
  - AA data points
  - AA Dashboard
  - Use SubGroups w/other data
  - Query
  - Target Groups

- ...To support EL students' progress?

Online Learning Resources

Aeries Online Demo: https://www.aeries.com/products/online-demos

Sign in automatically to view and practice with demo databases

- "Admin" (Office Staff, including Counselors)
- Teacher – Elementary or Secondary
- Parent or Student

Aeries Academy: https://www.aeries.com/academy

Flexible, learn at your own pace

Individual Topics of Interest to Counselors include

- Fundamentals of Aeries (free)
- Scheduling (Currently free)
- Secondary Counseling Applications Course (Currently free)
  Includes 6 individual modules.

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Online Support Resources

Aeries Support Online
(FreshDesk)
https://www.aeries.com/support/
- Search for
  - Articles – view and print
  - Video
- Also available directly from within Aeries
  - Resource Hub
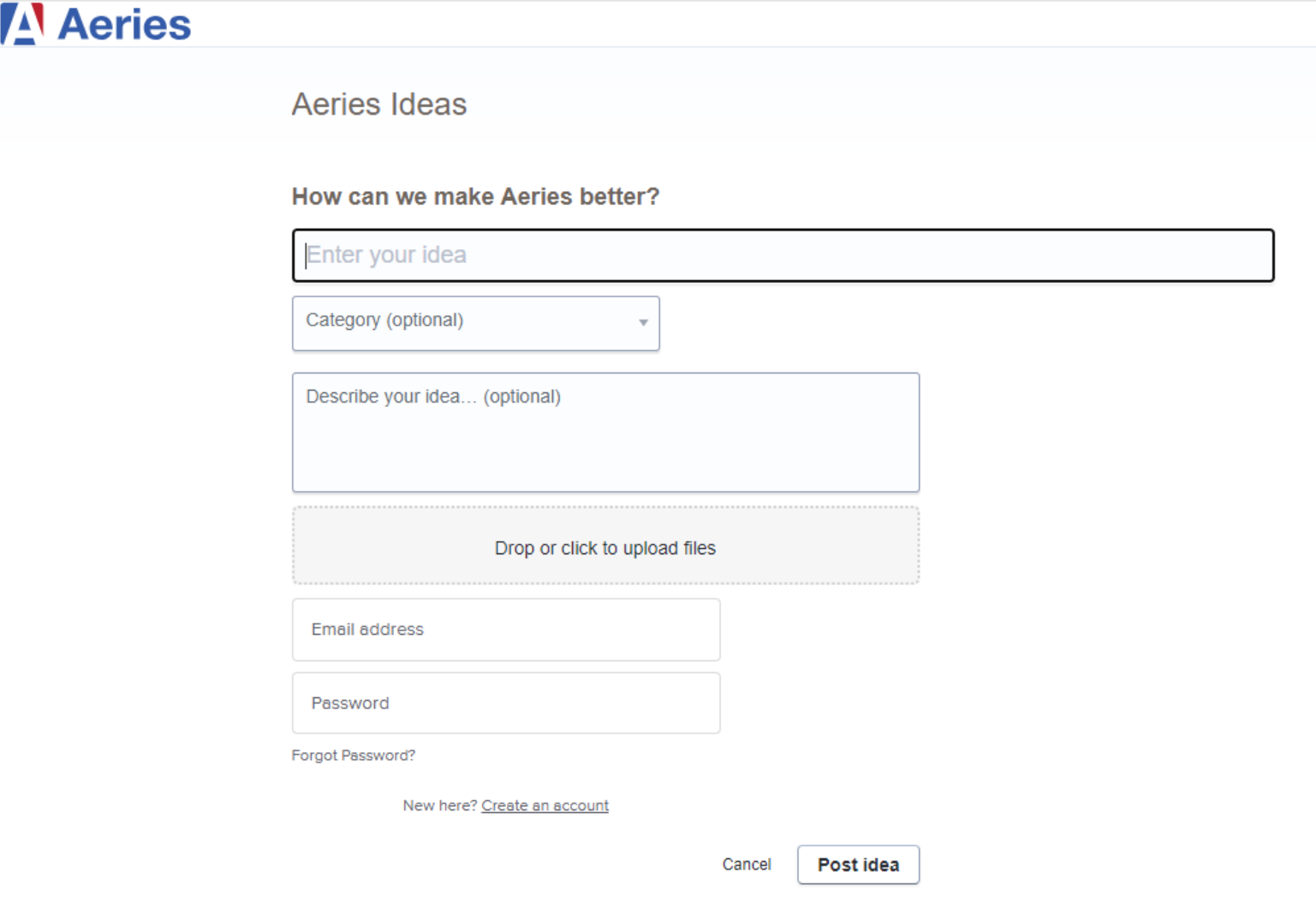
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Aeries Ideas: Help Us to Improve

- Go to: **https://ideas.aries.com/**

  - Create an account

  - Use your work email address

  - Search ideas, add your ideas, or
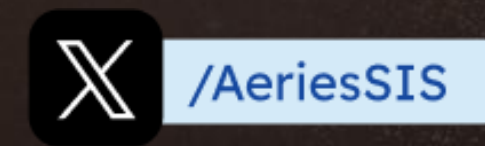   vote on other ideas

THANK YOU!

Please take a moment to complete our session survey.
Session # 228
http://surveys.aeries.com/s3/AeriesCon-Session-Feedback-Survey-Spring-2024

f /AeriesSIS   /Aeries_SIS   in /Aeries Software   X /AeriesSIS
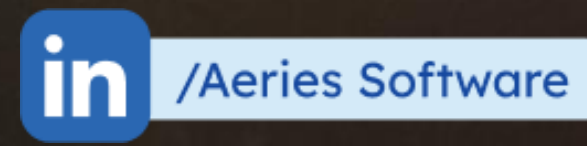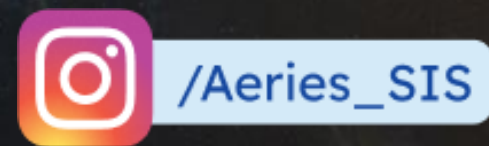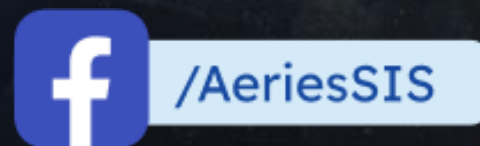
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