

## FAMIS 2022 – Ed-Fi Show and Tell

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# Ed-Fi Data Standard



# A standard makes complex systems run smoothly, coherently, and efficiently for all parties



## Interoperability Levels

		Application Integration	What additional application behavior is expected?
ion		Trananart	What protocols are used to move data

## VENDOR ACCEPTANCE AND CERTIFICATION

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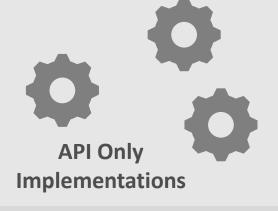
Serialization	How are data elements represented in transit?
Data Model	How do data entities relate to each other?
Data Dictionary	How are data elements defined?



#### **Ed-Fi ODS API**

Production-ready reference implementation







#### **API Standards**

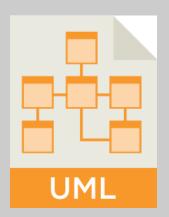
- Deal with specific use cases
- Defined in Open API and normative guidelines
- Data modeled in JSON





#### XML (Bulk) Standards

- Deal with specific use cases
- Defined in XSD
- Fading away...



#### **Ed-Fi Unifying Data Model**

- Logical model in UML and a Data Handbook
- Foundation of all Ed-Fi technical standards
- Ensures that all standards are compatible



Note: the Ed-Fi ODS database schema is not a standard. The **logical** data model is a standard.

# Ed-Fi Academy

#### **Local Education Agencies**

#### INTRODUCTION



#### Introduction to Ed-Fi Technology

This short video provides a high-level overview of the Ed-Fi Alliance and Ed-Fi technology components as well as resources necessary for a successful project implementation.



#### 1.2 Ed-Fi Technology Quick Start

This 20-minute video provides an overview of the Ed-Fi technology components, including the data standard, ODS and API, dashboards and tools.

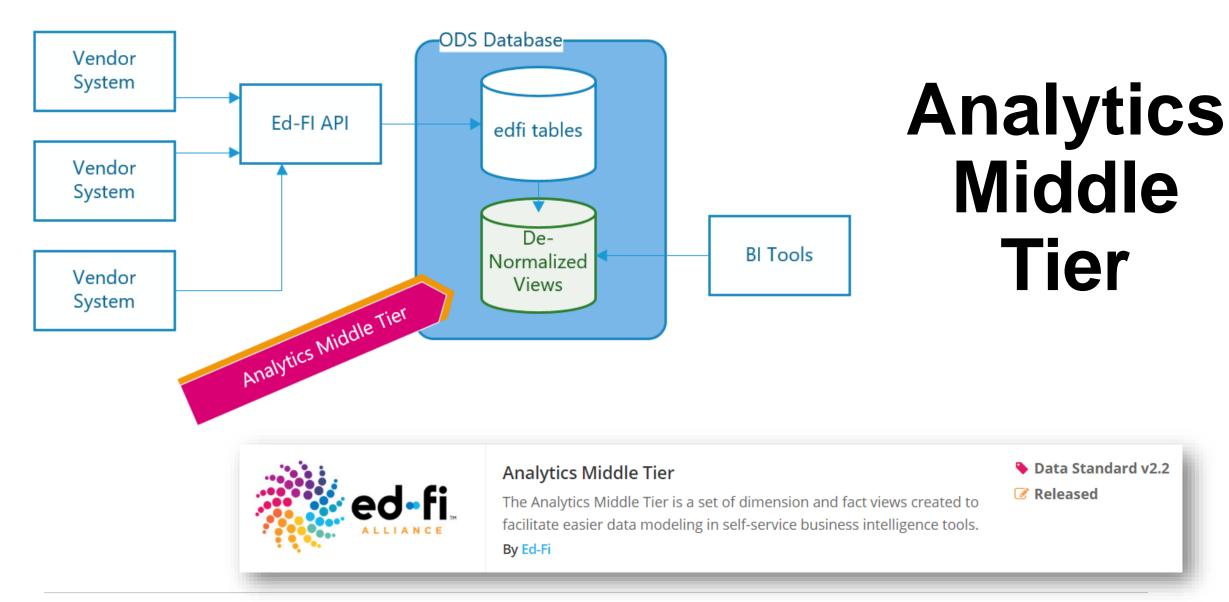


Navigating Ed-Fi Resources & Tools

Ed-Fi is an open community with a great deal of

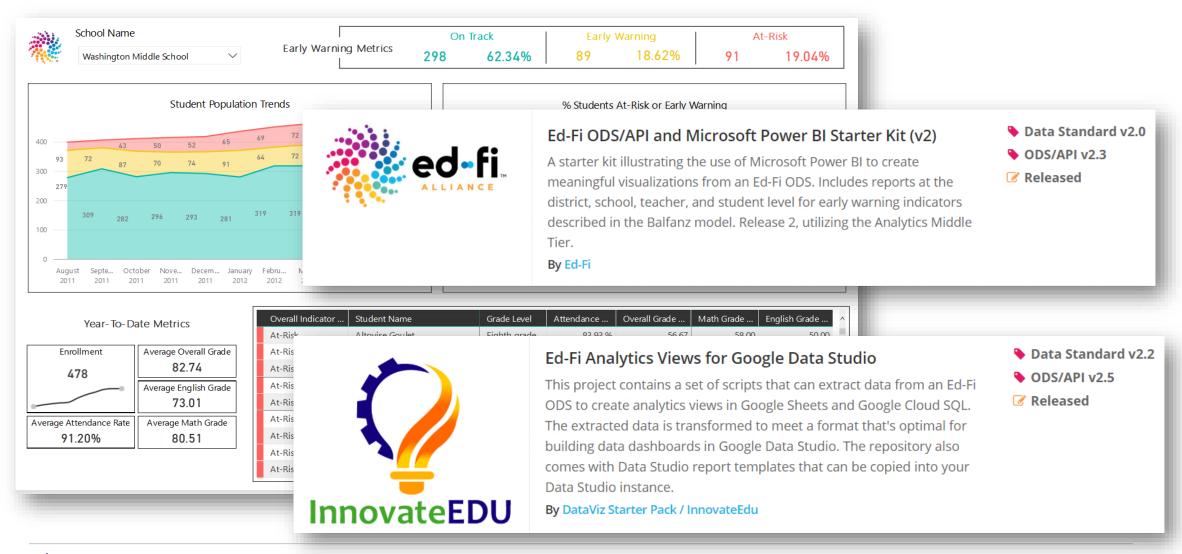








## **BI Starter Packs**







## Our Ed-Fi Journey

BOOT CAMP MSDF GRANT

POWERSCHOOL

STARTER KIT TOOL STOOD UP

Oct

May

Sept

Feb

Nov

2019

2020

2020

2021

2021

Sept

Jan 2020 **June** 

2020

Nov 2020 May

2021

**July 2022** 

2018

MET WITH

**FL CODE** 

JOINED FL

HOONUIT

FOCUS API ODS GOES LIVE TRAINING PREPARATION







Dr. Kathleen L. Rodgers
LEON COUNTY SCHOOLS IN FLORIDA · ASSISTANT SUPERINTENDENT

"Leon County's vision is to be an engaging, safe, and respectful learning environment that embraces change and produces successful learners who value diversity and are conscientious contributors to society. We use our data to provide all students with equitable access to programs, courses, highly effective teachers, technology, and other district resources free of bias based on ethnicity, race, sex, gender, or any other demographic differences across our diverse group of students."





#### **Equitable Access for Who?**

#### All Students Regardless of...

- > Ethnicity
- > Gender
- > Age
- > Lunch Status
- > ELL
- >504
- **≻**ESE
- ➤ Pretty much everything

#### **Data Quality**

- > Data Governance
- ➤ Who enters the data?
- > Validation
- Standardization





### **Equitable Access To What?**

Secondary Academic Programs:

**Discipline Outcomes** 

- $\triangleright$  AP
- Dual Enrollment
- > IB

Highly Effective or Experienced Teachers

Assessment







#### What Potential Barriers Exist?

Feeder School

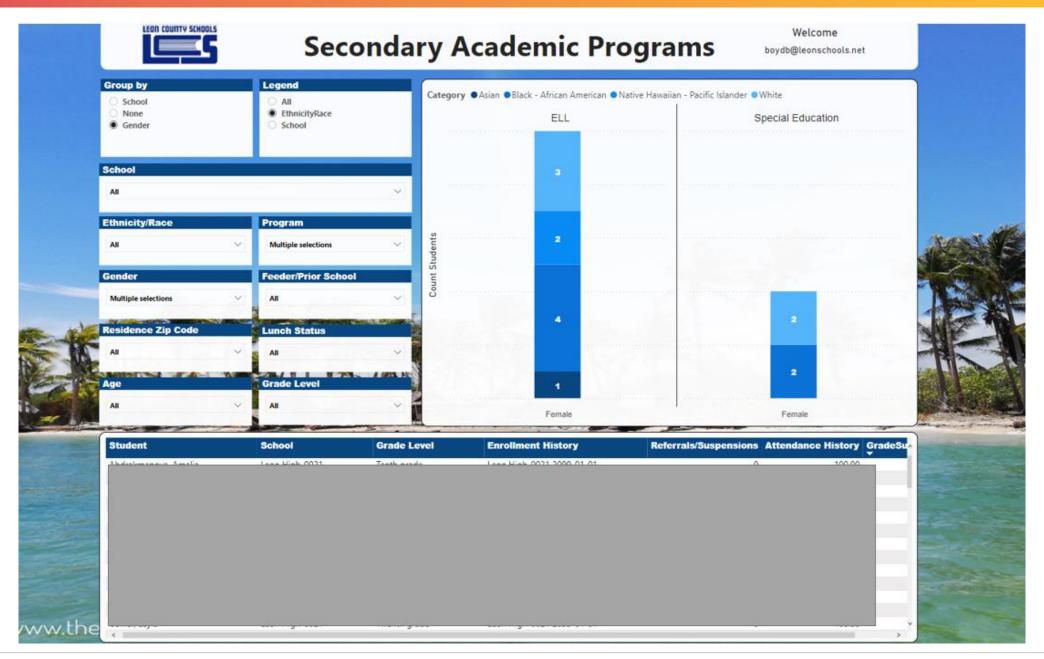
Discipline

**Past Performance** 

Attendance

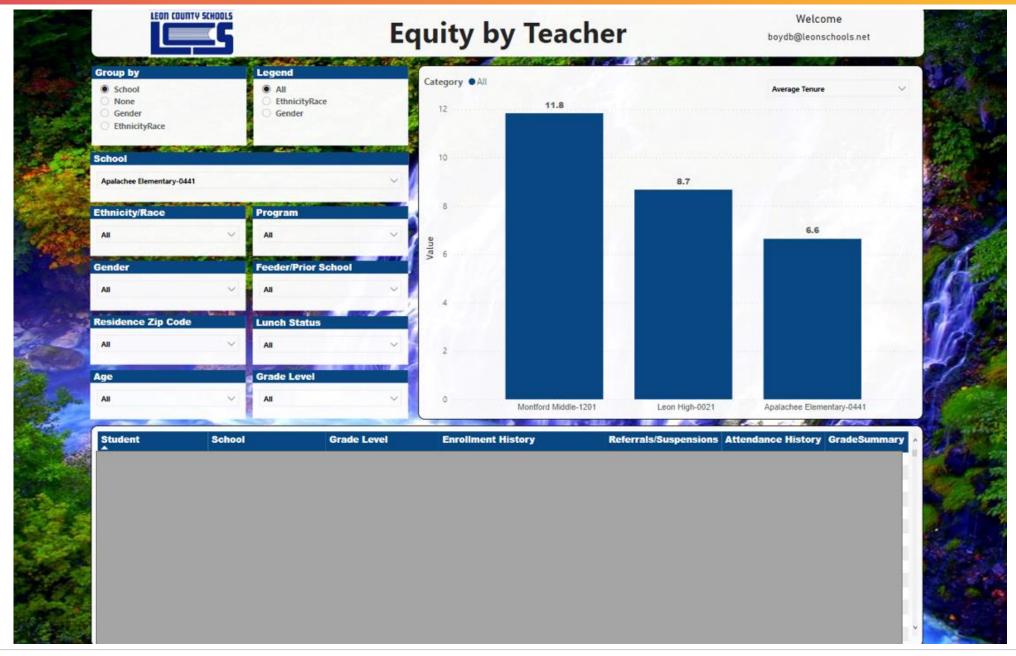












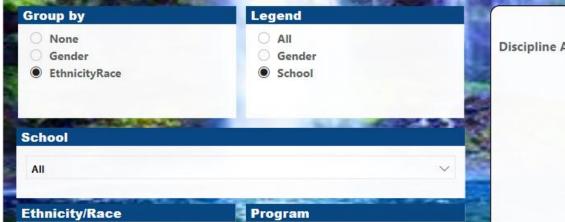






## **Discipline Outcomes**

Welcome boydb@leonschools.net



Discipline Outcomes

Discipline Action Description Other

#### **Overview of Student Behavior**

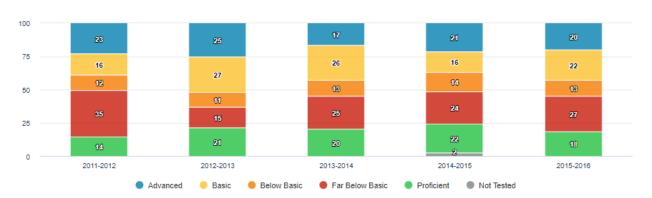




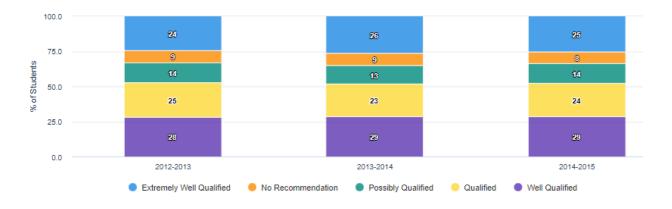


# Assessments

#### State Achievement: Reading & Literature



#### AP Overall Performance by Year







## **Live Demo**

https://app.powerbi.com/

https://data.leonschools.net/











The North East Florida Educational Consortium (NEFEC) has seen several districts make concrete and deliberate steps to "own their data" through Ed-Fi and FLCODE.

The standout districts are: **Baker, Bradford, Dixie, and Union**.

Three areas where these districts have placed special emphasis are **Student Progress Monitoring, Early Warning Systems, and Student Discipline**.





Data visualizations and reporting are based solely on information contained in the Operational Data Store.

In combination with NEFEC's commitment to support districts, **Data Quality** is an area that is central to future successful initiatives.



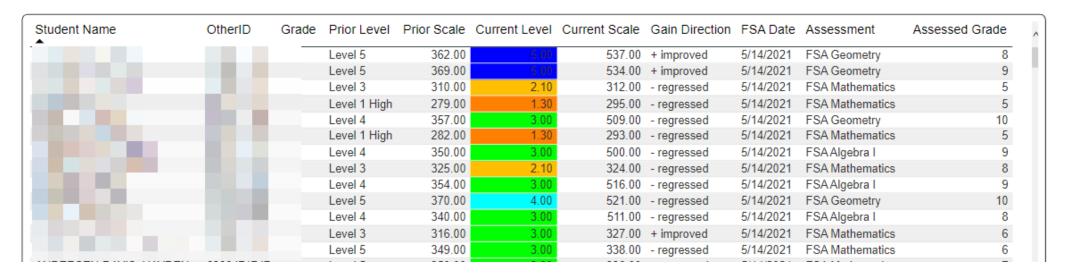


### **Progress Monitoring**

#### **Mathematics Achievement and Learning Gains**











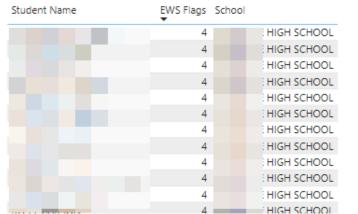
## **Early Warning**

Attendance	Behavior	Courses	FSA Level 1	Early Warning - Students	Students Selected
Off Track	Suspensions	Failing Grade	Level 1 FSA	Two + Indicators	Enrollment
350	93	135	216	171	1186

School Name	Attendance - Off Track	Attendance Rate	Behavior - Suspensions	Courses - Failing Grade	Level 1 FSA	Two or More Indicators	Students
+	185	27.24	23	47	32	45	569
<b>±</b>	165	34.85	70	88	184	126	617
Total	350	31.20	93	135	216	171	1186
	•						

# • Attendance - Off Track ● Behavior - Suspensions ● Courses - Failing Grade ● Level 1 FSA ● Two or More Indica... 200 150 50

#### Students with One or More EWS Flags







## **Student Discipline**

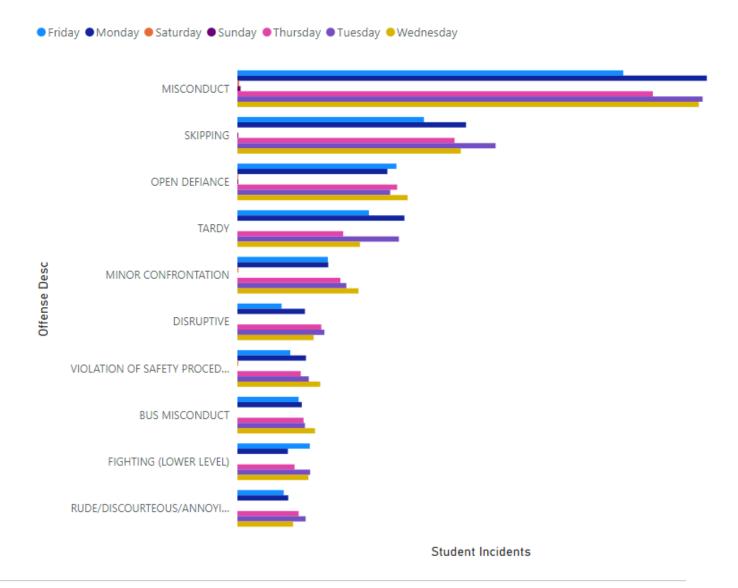
School Discipline Counts						Incidents and Offenses by Day		Incidents and Offenses by Day				
School Name	Incidents •	Offenses	Students	Actions		:	Day	Incidents	Offenses	Students	Actions	
	69	69	53	70	Mon		Mon	31	31	31	31	
					Fri		Fri	11	11	9	12	
Total	69	69	53	70	Tue		Tue	11	11	10	11	
					rue		Wed	10	10	10	10	
					Wed		Thu	6	6	5	6	
					Thu		Tota	l 69	69	53	70	
					0	20	: 40					





## **Student Discipline**

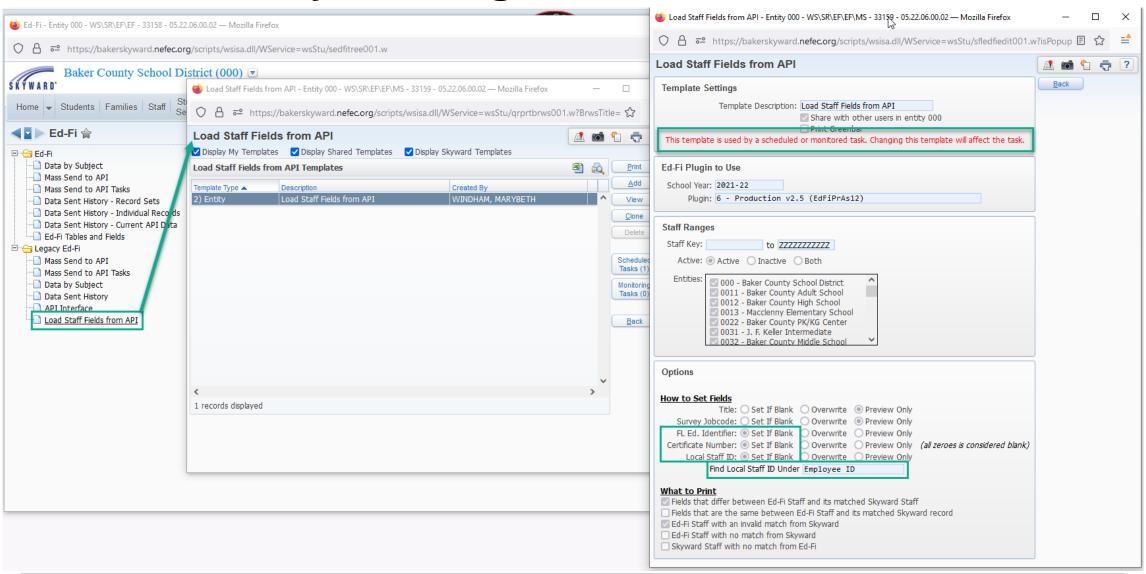








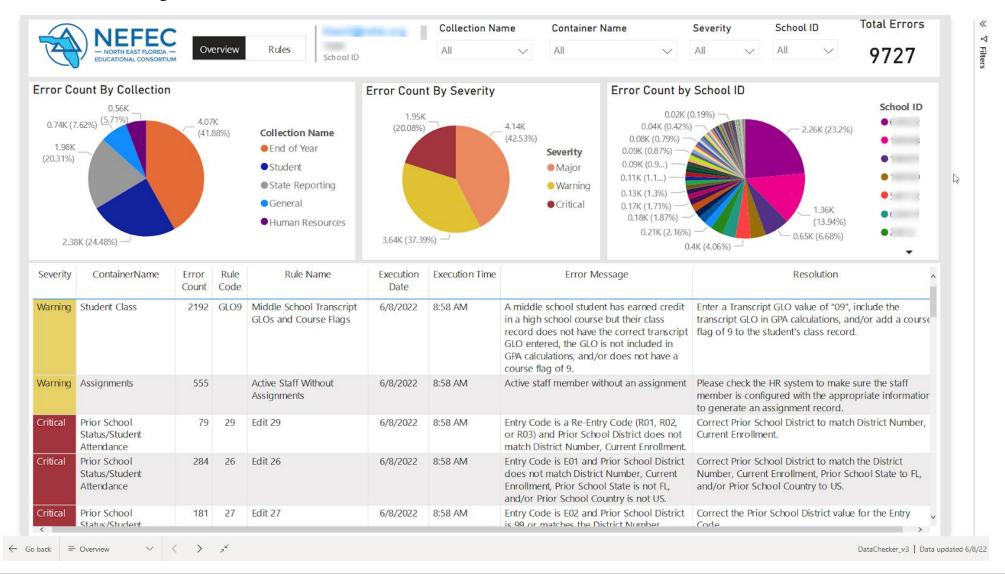
## HR to Student Sync Using Ed-Fi







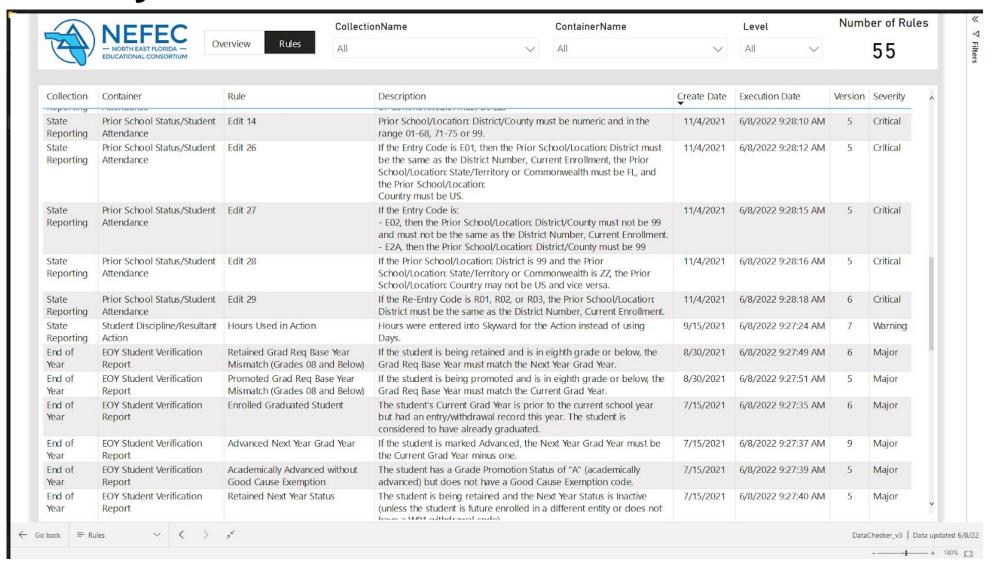
### **Data Quality**







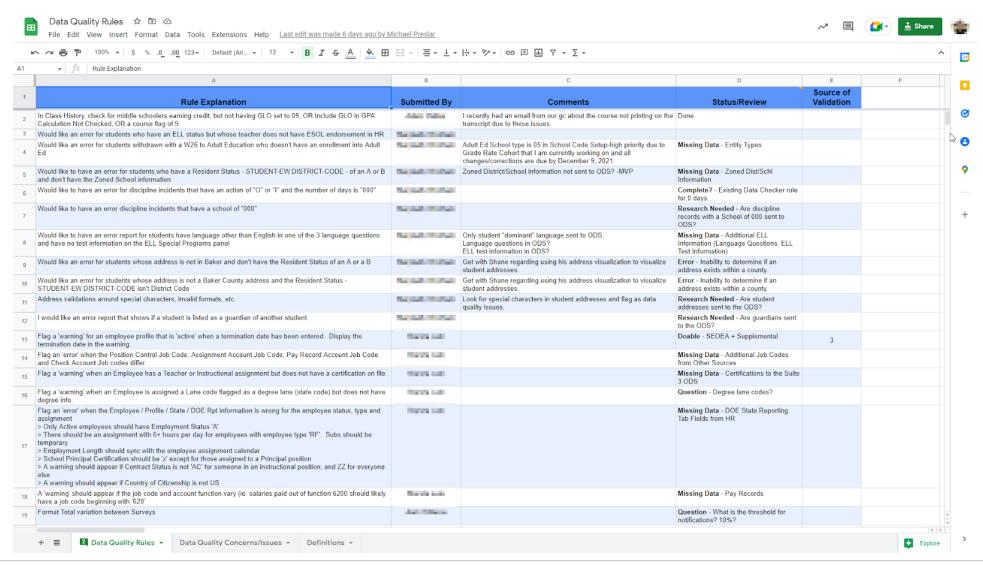
#### **Data Quality Rules**







### **Data Quality Rule Ideas**







# Questions?



