

# Unlock the Magic: Understanding the Power of the Michigan Data Hub

Now that your data has been transferred to the datahub, how  
do you see it and verify it





# Introduction

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Hey, I'm Melissa, your Senior Integration Analyst at MiDataHub.

Approaching almost a year with the team, I bring over 16 years of education and database mastery, previously orchestrating data wizardry at St. Joseph County ISD. Today, we're peeling back the layers to explore the hidden wonders of MiDataHub. Ready for the journey?

# Why Invest Your Time? What Distinguishes This Presentation?



- Take a spin through District Reports in the Cockpit
- Master the art of checking for data quality issues
- Learn to use dashboards to verify data



“You can have all of the fancy tools,  
but if [your] data quality is not good,  
you’re nowhere.”

—Veda Bawo, Data Governance Advisory at JLL  
Technologies






# Where on earth should I begin?

You've got the data, now let's make sure it's running like a well-oiled machine. The cockpit is where all the action happens, but before we get there, let's double-check that you've got your login credentials good to go!



# Available Reports

 MICHIGAN DataHub  
Michigan Data Hub > Anonymized Districts > 2024 Training District

Management Portal  
Hello melissa.tront@kresa.org! Log off

## District Reports

- Cockpit Usage
- Outbound Integration Reports
- Data Hub Performance
- Data Quality
- MSDS-General

## Export Manager

### Manage Export Sets

Export Set Name	Date Created
<a href="#">Add New Export Set</a>	
<a href="#">Manage Query Bank</a>	
<a href="#">Manage Query Tags</a>	
<input type="text" value="Select Query Tag..."/>	<input type="button" value="Create Export Set"/>

## District Reports

Cockpit Usage

Outbound Integration Reports

Data Hub Performance

Data Quality

MSDS-General

Let's Start with  
District Reports



# Data Quality Reports: The Inside Scoop

## AT-A-GLANCE

Provides an overview of students in the hub categorized by program, race, and food service, with clickable links for further details.

## EEM ENTITY MAPPING

Comparing ODS and EEM data for districts and schools.

## ROLE VALIDATION

This report displays the staff classification of users imported by your SIS, useful for MiLearn authorizations.



# At a Glance Report



Navigation icons: back, forward, refresh, zoom (100%), save, print, search (Find | Next)

**At-A-Glance Report for 2024 Training District**  
 Date Range: 7/1/2023 to 6/30/2024      Report Execution: 3/28/2024 12:22:37 PM      Total pages: 2

Education Organization Id	State Identification Code	Student Count	Parent Count	Course Count
900048	900048	<a href="#">469</a>	<a href="#">756</a>	852

Program Name	Total Students
Special Education	<a href="#">53</a>
Supplemental Nutrition Eligibility	<a href="#">254</a>
Title I Part A	<a href="#">60</a>

Food Services Eligibility	Total Students
Student is eligible for free-meal/milk program for current school year.	<a href="#">229</a>
Student is eligible for reduced-price meal program for current school year.	<a href="#">25</a>

Racial/ethnic breakdown	Total Students	Hispanic/Latino
American Indian - Alaska Native	<a href="#">4</a>	<a href="#">0</a>
Asian	<a href="#">4</a>	<a href="#">0</a>
Black - African American	<a href="#">16</a>	<a href="#">0</a>
Other	<a href="#">28</a>	<a href="#">0</a>
White	<a href="#">421</a>	<a href="#">0</a>

Program Participation	Total Students
3060-Section 31a At Risk	<a href="#">409</a>
3500-Early/Middle College Participant	<a href="#">7</a>



SPILL THE TEA ON YOUR FINDINGS

# It's Report-Running Time!

Let's take about 10 mins to run your districts reports







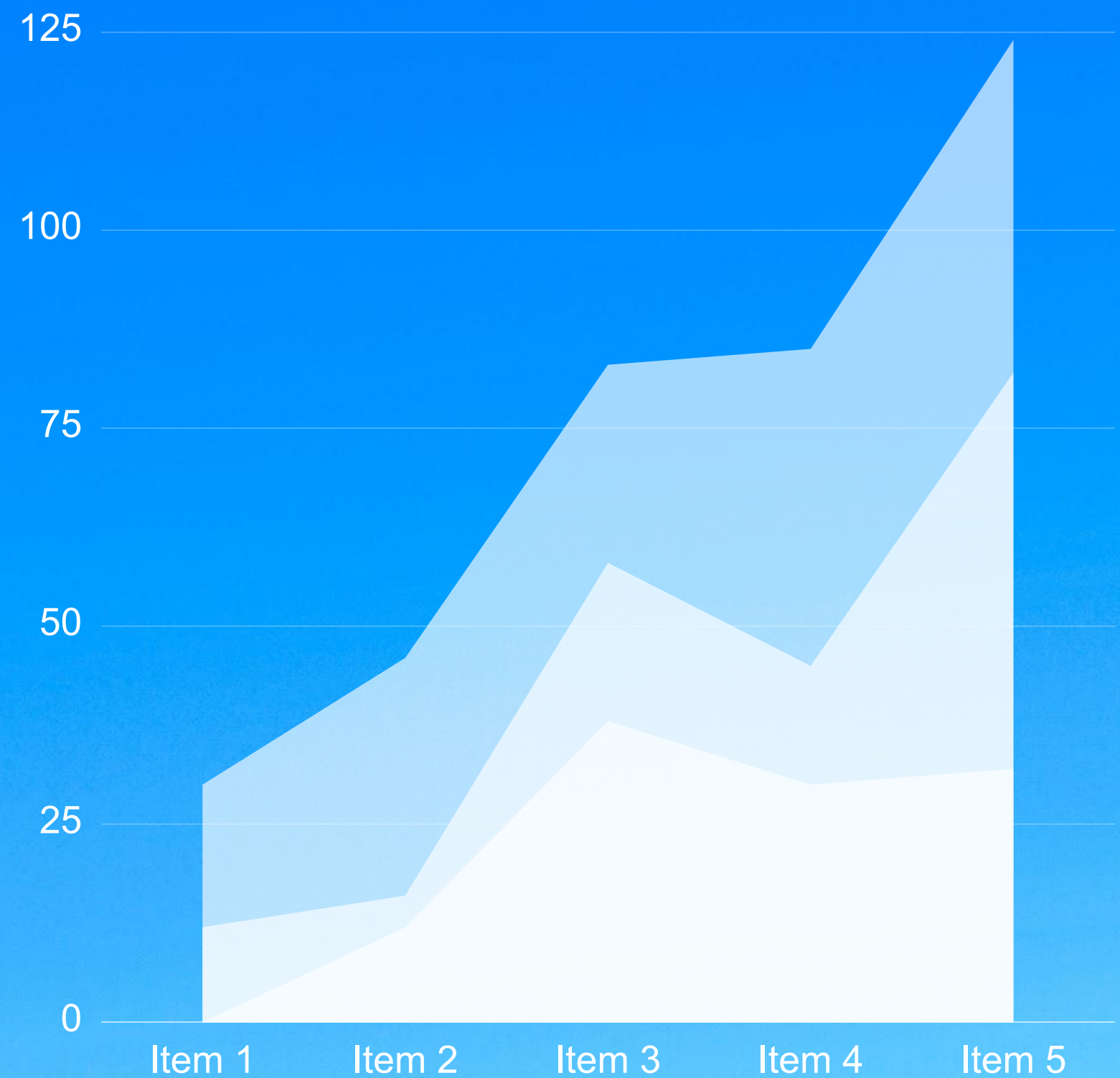
How's Your  
Data Looking?



Every now and  
then, we crave  
an extra data

fix

Let's sail into the uncharted waters  
of custom exports!





# Export Sets That are Ready to Go

01

## MANAGE CUSTOM EXPORTS

You can find it under the Reports section.

02

## SELECT QUERY TAG

Take your pick from the handy drop-down menu of categorized export bundles.

03

## CREATE EXPORT SET

Sit back and let the magic unfold as all pre-built templates in the set are loaded.

04

## SELECT AN EXPORT TO EXECUTE.

If you're feeling spicy, give that pre-written query a makeover!

# Get Playful with These Queries!



## DATA FRESHNESS QUERY

A Comprehensive List of Ed-Fi Tables: Creation Date, Record Count, and Last Update



## STUDENT CHARACTERISTIC VERIFICATION

Check out these Student Programs, Including Special Education and Economic Disadvantage



## MSDS ENROLLMENT VALIDATION

Throw your worries aside! MSDS component validations are at your fingertips, anytime!



# It's Report-Running Time!

Let's take about 10 mins to run your districts reports





It's time to  
decide who  
gets to join you  
in the cockpit!





# Roles in the Cockpit



SORRY, NO SHORTCUTS ALLOWED. THIS TASK MUST BE TACKLED MANUALLY.



TECHNICAL CONTACTS HOLD THE POWER TO ADD NEW USERS TO THE MIX.



CALLING DATA EXPERTS TO SWIFTLY CRAFT PRECISE REPORTS. ELEVATE OUR DATA PROFICIENCY TOGETHER!



LET'S BRAINSTORM WHICH POSITIONS IN YOUR DISTRICT COULD USE THESE REPORTS TO THEIR ADVANTAGE.



## Application Support

The Michigan Data Hub is a collaborative, statewide effort to address the challenges in managing and using school data by creating an ecosystem where information is exchanged between the large number of disconnected data systems used by schools.

MiDataHub Support

# Need a helping hand when you return home?

Introducing Our Help Desk Portal

<https://miservicedesk.com>





Encountering  
Challenges with  
Any Export Set?  
Share the Details  
for Swift  
Resolution. Your  
Input Matters!

