

Freshman On Track Dashboard

1. Overview

The FOT dashboard uses the Analytics Middle Tier v2 (April 2020) to denormalize and extract the data. For information on how to install the AMTv2 please click here:

<https://techdocs.ed-fi.org/display/EDFITOOLS/Analytics+Middle+Tier>

For simplicity current implementation uses the production ODS database as the reporting database. For more information on limiting the impact on the Production database refer to this link,

<https://techdocs.ed-fi.org/display/EDFITOOLS/Limiting+Impact+on+the+Production+ODS>

2. Database

On top of the AMT view the FOT Dashboard also uses

4 tables for staging the data to be reported:

analytics_data.AtRiskAttendance

analytics_data.AtRiskBehavior

analytics_data.AtRiskGPA

analytics_data.AtRiskMarks

1 configuration table

[analytics_config].[Ews]

2 views to aggregate and denormalize the data:

dbo.OnTrackReport

dbo.SuccessByFactor

1 stored procedure to extract and stage the data. This procedure can be scheduled to refresh the data nightly:

dbo.StageAnalyticsData

3. Installation:

1. run each script file in the Scripts folder to install the database items.
2. execute stored procedure `dbo.StageAnalyticsData` to populate the `analytics_data` tables. If the `@SchoolYear` parameter is left null, the procedure will default to the current school year. For single-year databases the `@SchoolYear` parameter is not necessary.

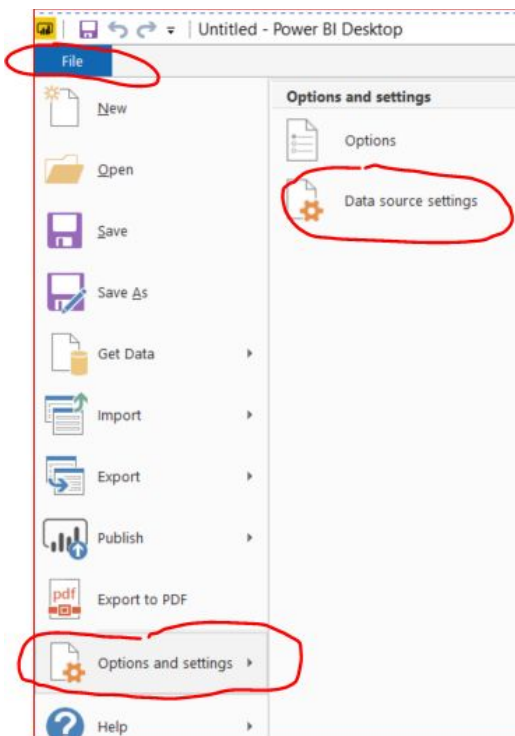
4. The PowerBI dashboard

The dashboard uses data from four metrics: attendance, behavior, GPA, and marks.

For more details about the methodology please refer to <https://ncs.uchicago.edu/freshman-on-track-toolkit>.

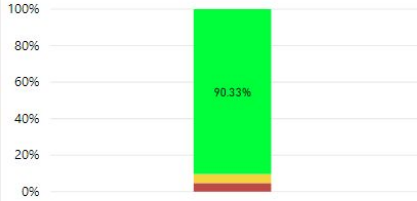
3.1 Open up the template file `FreshmanOnTrack.pbix`

3.2 Change the database connection information, then click “Apply Changes”



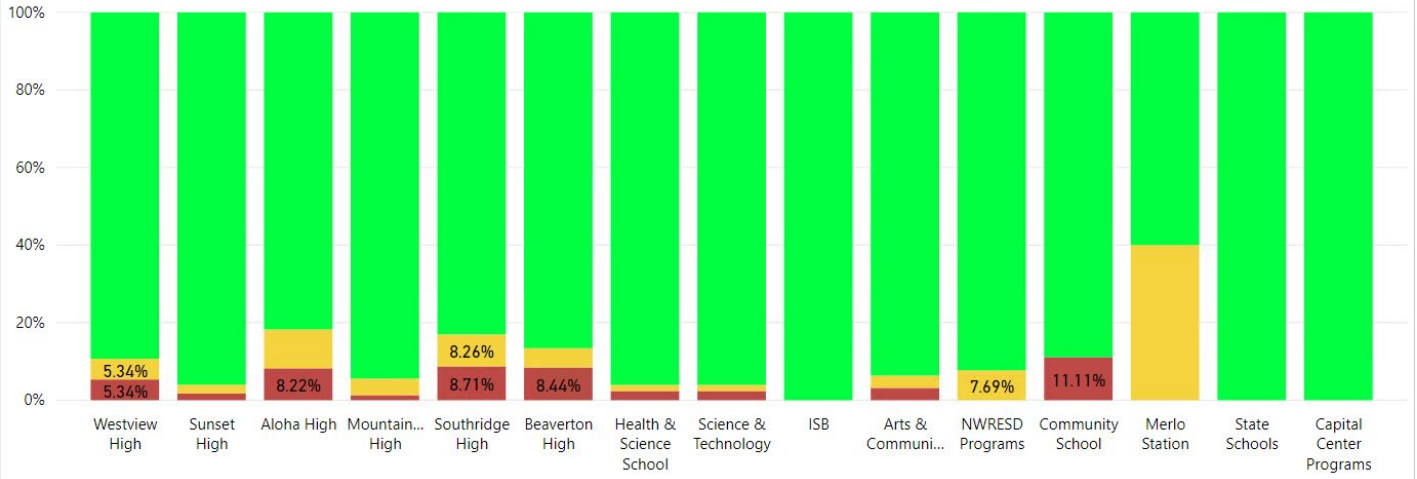
District Overall

● Off-Track ● Vulnerable ● On-Track



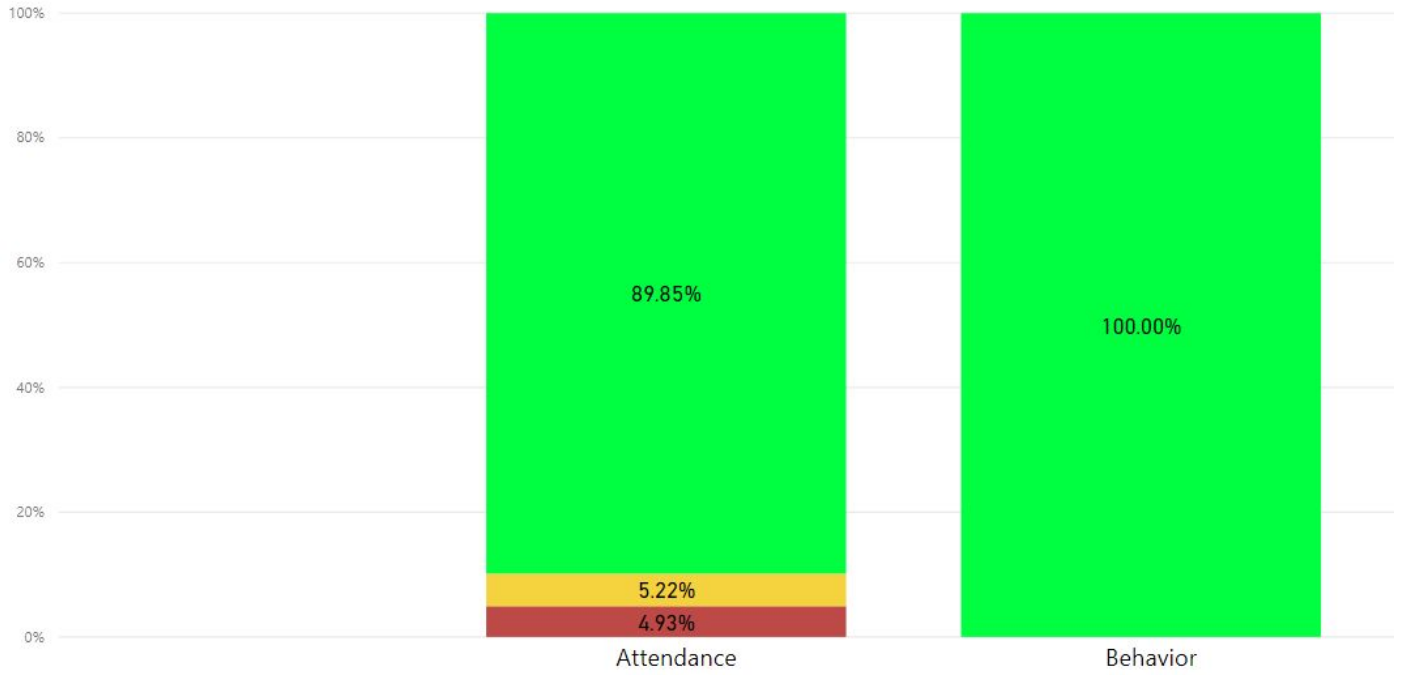
| Indicator | First Name | Last Name | School | Attendance | GPA | 'D' Count | 'F' Count | Marks |
|-----------|------------|-----------|-------------------|------------|-----|-----------|-----------|-------|
| On-Track | | | Sunset High | 99% | | | | |
| On-Track | | | Sunset High | 99% | | | | |
| On-Track | | | Mountainside High | 99% | | | | |
| On-Track | | | Westview High | 99% | | | | |
| On-Track | | | Westview High | 99% | | | | |
| On-Track | | | Mountainside High | 99% | | | | |
| On-Track | | | Westview High | 99% | | | | |
| On-Track | | | Southridge High | 99% | | | | |
| On-Track | | | Mountainside High | 99% | | | | |
| On-Track | | | Aloha High | 99% | | | | |
| On-Track | | | Southridge High | 99% | | | | |
| On-Track | | | Sunset High | 99% | | | | |
| On-Track | | | Southridge High | 99% | | | | |
| On-Track | | | Southridge High | 99% | | | | |

School



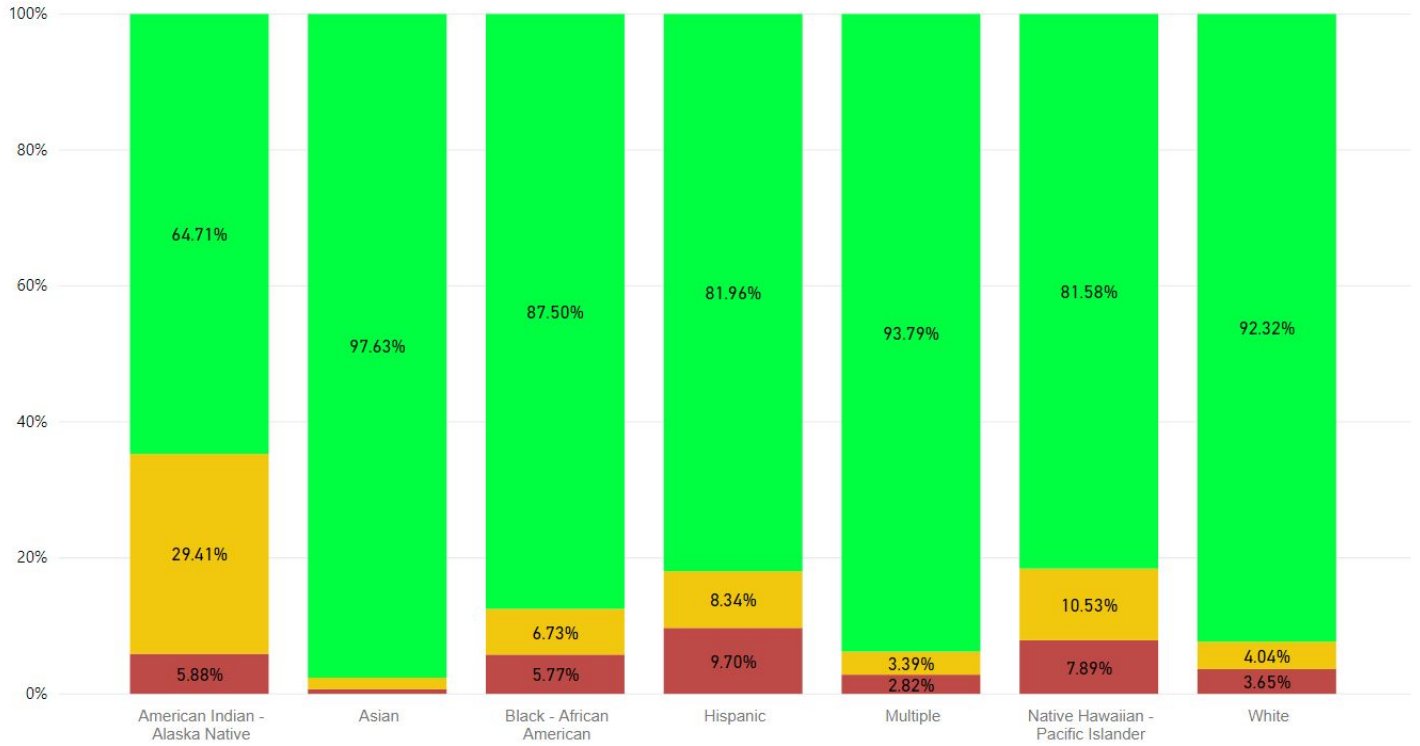
By Risk Factor

● Off-Track ● Vulnerable ● On-Track



By Race

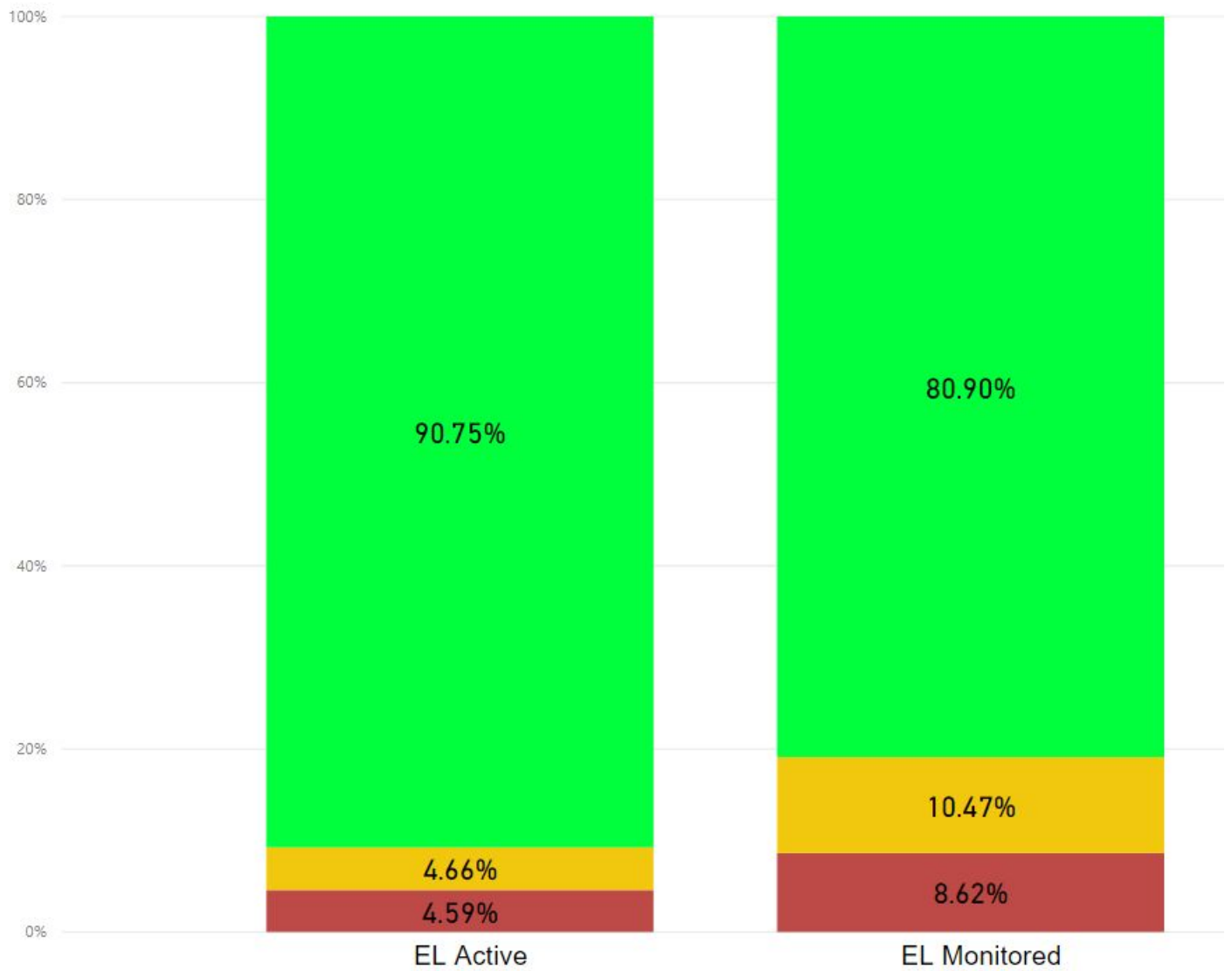
● Off-Track ● Vulnerable ● On-Track



Overall Risk | By Risk Factor | **Risk By Race** | Risk By Program | +

By Program

● Off-Track ● Vulnerable ● On-Track



Navigation tabs: OverallRisk | By Risk Factor | Risk By Race | Risk By Program | +