

PowerBI User Guide

1. Purpose

This guide provides instructions for opening, exploring, and maintaining the HDPSA Power BI dashboard. It is intended for National Department of Health (NDoH) officials, analysts, and academic supervisors reviewing the BIN381 Group M Milestone 5 deployment.

2. Opening the Dashboard

1. Open **Power BI Desktop**.
2. Select **File** → **Open** and locate BIN381 Group M M5.pbix.
3. Confirm both datasets load under *Fields*:
 - model_metrics_export.csv
 - feature_importance_export.csv

3. Navigation Overview

Component	Function
Header Bar	Dashboard title and NDoH branding (Green #0E6E0E / Gold #F9C132).
KPI Cards	Show Average Accuracy and AUC Score for each model.
Bar Chart	Displays top predictors (Education, Water Access, Income).
Table	Summarises model metrics (Accuracy, Precision, Recall, F1, AUC).
Slicer	Allows filtering by model (Logistic, Decision Tree, Random Forest, Naïve Bayes).

4. Refreshing Data

1. Replace updated CSV/Excel files in Milestone5/Deployment_Exports/.
2. In Power BI Desktop, click **Refresh**.
3. Save and publish to Power BI Service.
4. In Power BI Service → **Dataset Settings** → **Schedule Refresh** → **Weekly (Monday 06:00 SAST)**.

5. Troubleshooting

Issue	Resolution
Missing data in visual	Check file paths and headers match original CSV names.
Refresh fails online	Verify OneDrive dataset location and credentials.
Visual not loading	Restart Power BI Desktop and clear cache.

6. Support and Version Control

All dashboard versions are stored in the project GitHub repository HDPSA-BIN381-M5.