Debabrata Palit
in /debabrata-palit03

Reports Vs. Dashboards

TRANSFORM YOUR DATA INTO DECISIONS!

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Power BI Reports

Reports in Power BI are comprehensive and allow for deep data exploration. They serve as the main tool for performing detailed analysis.

Main Features:

- **Multiple Pages**: Like worksheets in Excel, each page can focus on different aspects or topics.
- **Multiple Visualizations**: Users can add various visuals such as bar charts, maps, tables, and custom visuals to convey specific insights.
- **Interactive Controls**: Filters, slicers, and visual interactions allow for in-depth data exploration.
- **Drill-Down Capabilities**: You can navigate from summary-level data to detailed views using drill-through and drill-down functionalities.
- **Customizability**: Layouts, themes, and even calculated fields using DAX can be tailored for specific business needs.
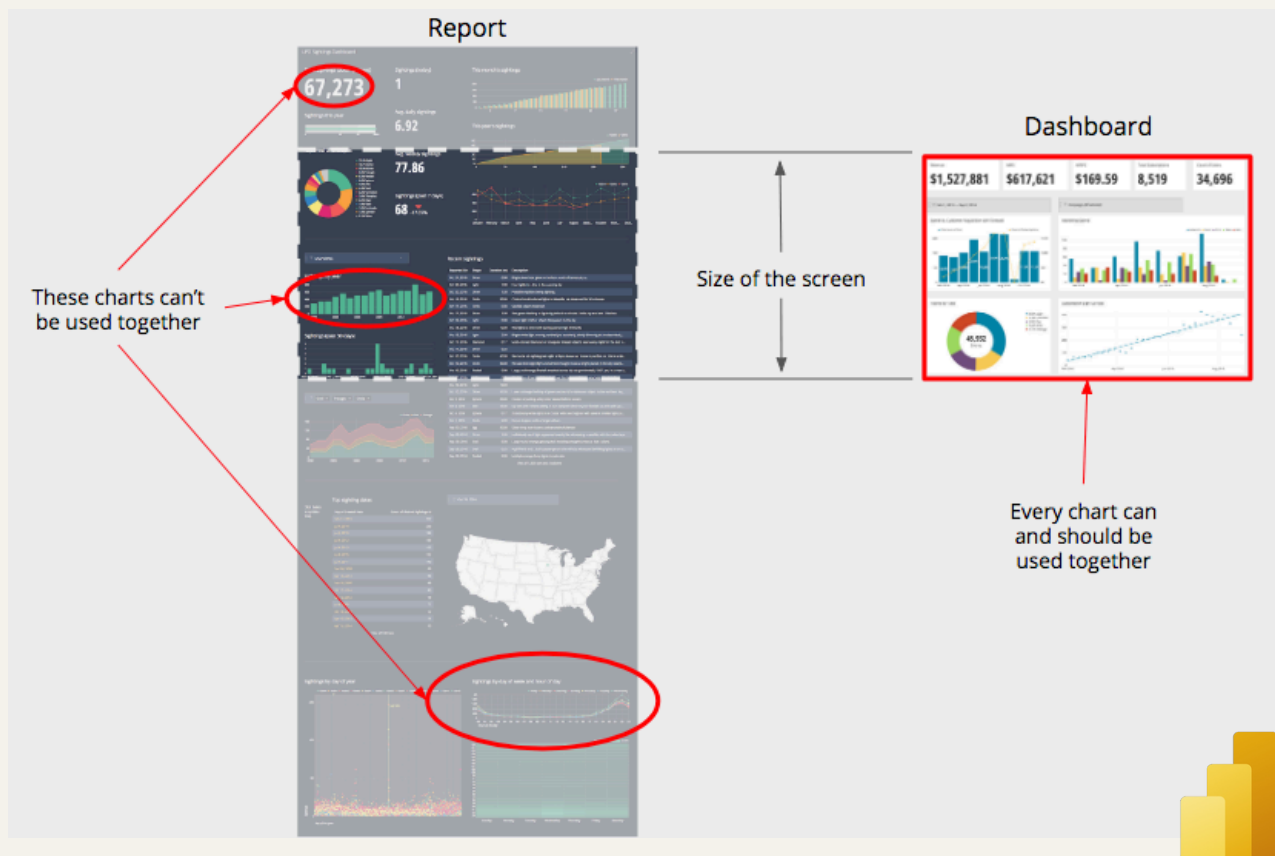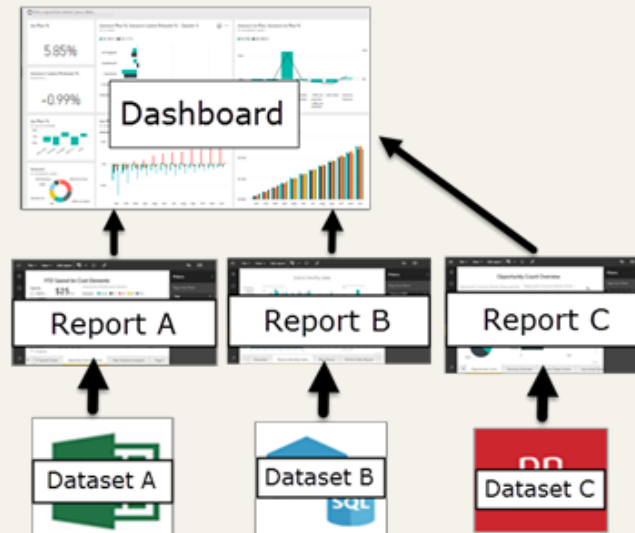
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Power BI Dashboards

Dashboards are more concise, designed to present a high-level view of KPIs and metrics. They are meant to give business users quick insights into the performance of their organization.

Main Features:

- **Single Canvas**: Dashboards are limited to one page, promoting simplicity and clarity.
- **Tiles**: Each tile represents a pinned visualization (like a KPI, chart, or gauge) from a report or dataset.
- **Cross-Source Integration**: Combine visuals from multiple reports into one cohesive view.
- **Basic Interactivity**: Clicking a tile redirects you to the source report for deeper analysis, but direct interaction (like filtering) is limited.
- **Live Data Support**: Dashboards can include real-time streaming tiles to monitor ongoing business activity.

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Dashboard

Report A

Report B

Report C

Dataset A

Dataset B

Dataset C

Report

67,273

Dashboard

$1,527,881 $617,621 $169.59 8,519 34,696

Size of the screen

These charts can't
be used together

Every chart can
and should be
used together

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When to Use What

When to Use Reports:
- You need to analyze large or complex datasets.
- You want users to interact with the data through filters or slicers.
- You need to provide various data views and narratives across multiple pages.
- You want to enable detailed exploration using drill functionalities.

When to Use Dashboards:
- You need to share a quick summary of performance indicators.
- You want to consolidate insights from different reports.
- You need a high-level view for executives or decision-makers.
- You want to monitor real-time data metrics.

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Reports Vs. Dashboards

Aspect	Power BI Report	Power BI Dashboard
Layout	Multi-page layout with numerous visual elements	Single-page overview using pinned visual tiles
User Interaction	Highly interactive with filters, slicers, drill-downs, etc.	Minimal interaction - mostly used for navigating to reports
Visual Variety	Wide range of customizable visualizations on each page	Tiles are pinned visual elements from existing reports
Source of Data	Tied to a single dataset per report	Can integrate visuals from multiple reports or datasets
Live Data Support	Only updates in near real-time if refresh is scheduled	Can reflect live updates using streaming visuals
Primary Purpose	Used for in-depth data analysis and exploration	Best for summarizing key metrics and performance snapshots
Intended Users	Analysts and data professionals	Business users and decision-makers
Drill-Down Capability	Offers drill-through and drill-down features for detail navigation	Not supported directly - tiles redirect to full reports
Custom Metrics	Supports calculated columns and complex measures using DAX	Doesn't support custom calculations directly

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Use Case Comparison

Reports Example: A retail analytics team builds a report with pages dedicated to sales trends, customer insights, profitability analysis, and supply chain metrics. It allows deep filtering, comparison, and trend evaluation.

Dashboards Example: The same company creates a dashboard for senior leadership showing current sales figures, sales goal progress, and top-performing regions - all in one glance, updated live.

Integration of Both

Power BI reports and dashboards are not mutually exclusive - they often complement each other. A dashboard can serve as the entry point, offering a high-level summary. Clicking on a tile then brings the user to a more detailed report for further insights.

THANK YOU!!!

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LATER

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