

## Power BI Online Service – Homework Notes

- **Power BI Desktop vs Power BI Service**

Desktop → local app for building reports. Service → online for sharing, dashboards, collaboration.

- **Publishing Reports**

In Desktop: Home → Publish → select workspace in Service.

- **Workspaces**

Shared environment in Service. Types: My Workspace (personal) and App Workspaces (team).

- **Workspace vs App**

Workspace = editing space. App = packaged, read-only distribution of reports/dashboards.

- **Power BI Licenses**

Free (limited), Pro (sharing, collaboration), Premium (bigger models, enterprise, AI, paginated reports).

- **Sharing without Pro**

Requires Premium capacity. Otherwise, recipient must also have Pro.

- **Semantic Model (Dataset)**

Dataset stores tables, relationships, measures. Saved in the Service workspace.

- **Scheduled Refresh**

Auto-refresh datasets from source. May require gateway for on-prem sources.

- **Dataset vs Dataflow**

Dataset = model inside report. Dataflow = reusable Power Query in Service.

- **When to use Dataflows**

Use when multiple datasets need same data prep logic or to centralize ETL in cloud.

- **Dashboards vs Reports**

Dashboard = single-page, KPI summary from multiple reports. Report = detailed, multi-page.

- **Pinning Visuals**

From a report, click ■ Pin on a visual → choose dashboard.

- **Mobile View**

Optimized view for phones. Useful for executives checking KPIs quickly.

- **Paginated Reports**

Pixel-perfect, printable reports. Used for invoices, statements.

- **Exporting**

From Service, export reports to PDF or PPTX.

- **Live Connection**

Direct connection to Analysis Services/datasets, real-time queries, no import.

- **Row-Level Security (RLS)**

Restrict data visibility per user. Defined in roles and applied in Service.

- **Testing RLS**

In Service, dataset → Security → 'View as role' to test.

- **Apps in Power BI**

Packaged content from workspace. Publish to users for easy access.

- **Benefits of Power BI Service**

Centralized datasets, collaboration, scheduled refresh, RLS, dashboards, mobile access.