

# Power BI Workshop – Assignment Instructions

This document explains **what you need to submit, how to submit it, and by when** for the Power BI Workshop assignment.

Please read this carefully before starting your submission.

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## Objective of the Assignment

The goal of this assignment is to ensure that you can:

- Load data into **Power BI Desktop**
- Perform basic **data transformation using Power Query**
- Build a **simple data model** (fact & dimension tables)
- Create **interactive visuals**
- Use **basic DAX measures**

This assignment is aligned with everything demonstrated during the workshop.

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## What You Need to Create

You are required to use the dataset provided (the one not used during sessions) and build **one Power BI report (.pbix)** that includes:

### 1. Data Preparation (Mandatory)

- Load the provided dataset into Power BI Desktop
- Perform at least **2 transformations** in Power Query (examples):
  - Remove unnecessary columns
  - Change data types
  - Split or rename columns
  - Create reference tables (Customer / Product / Date)

### 2. Data Model (Mandatory)

- Have **at least 1 Fact table and 2 Dimension tables**
- Relationships should be correctly created (Star Schema preferred)
- Take a **screenshot of the Model View**

### 3. DAX Measures (Mandatory)

Create **at least 2 DAX measures**, for:

- Row context
- Filter context

### 4. Report & Dashboard (Mandatory)

- Minimum **1 report page** with:
  - At least **3 visuals** (charts, tables, or cards)
  - At least **1 slicer** for interactivity
  - The report should be clean and readable
  - Take **screenshots of the final report page(s)**
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## Submission Method (Very Important)

All submissions must be done via **GitHub Issues** in the workshop repository.

### Issue Title Format (Strictly Enforced)

Power BI Assignment - 2xfx00xxxx

- Replace 2xfx00xxxx with **your Student ID**
- Example:
- Power BI Assignment - 21f3001234

Incorrect titles will be **automatically rejected** by the system.

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## What to Include in the GitHub Issue

Your issue must contain:

### 1. PBIX File

Choose **one**:

- Upload the .pbix file directly **OR**
- Share a Google Drive / OneDrive link (with access enabled)

## 2. Screenshots (Mandatory)

Upload the following screenshots **inside the issue**:

1. **Final Report Page** (dashboard view)
2. **Model View** (relationships)

## 3. Short Description

- 2–5 lines explaining:
  - What your dashboard shows
  - What insights can be derived
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## Submission Window (Strict Deadlines)

Submissions are accepted **only within this window**:

- **Opens: 23rd January, 10:00 AM (IST)**
- **Closes: 26th January, 11:59 PM (IST)**

Submissions created **before or after this window** will be **automatically closed** by the system.

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## Automated Checks (What the System Verifies)

When you submit your issue, an automated check will:

- Validate the **issue title format**
- Check for **screenshots**
- Check for **PBIX file or link**
- Confirm submission is within the **allowed time window**

You will receive:

- A confirmation comment if everything is correct
  - A fix request if something is missing
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## Evaluation Criteria (High Level)

Your assignment will be reviewed based on:

- Correct use of Power BI concepts
- Proper data modeling
- Clarity and usefulness of visuals

- Clean and professional presentation

This assignment is meant for **learning**, not perfection.

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## Need Help?

If you face issues:

- Re-watch the workshop sessions
  - Check the examples shared during the workshop
  - Ask questions during the follow-up discussion on the G-space
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Best of luck, and enjoy building your Power BI dashboard!