📘 Power BI Dataset Dictionary

This document provides a detailed overview of the datasets used in the Power BI dashboard assignment for Daily Brew Coffee Ltd. It explains the tables and their respective columns to help students understand the structure and purpose of each dataset.

# Sales by Store

|  |  |
| --- | --- |
| Column Name | Description |
| transaction\_id | Unique ID for each sales transaction |
| transaction\_date | The date when the sale occurred |
| transaction\_time | Exact time of transaction |
| store\_id | Store where the sale occurred |
| staff\_id | Employee handling the transaction |
| customer\_id | Customer involved in the transaction |
| instore\_yn | Whether the purchase was in-store (Y/N) |
| Order | Order number in a transaction |
| line\_item\_id | Line-level identifier in a transaction |
| product\_id | ID of the product sold |
| quantity\_sold | Number of product units sold |
| unit\_price | Unit price of the product |
| promo\_item\_yn | Was the item on promotion? (Y/N) |

# Product Lookup

|  |  |
| --- | --- |
| Column Name | Description |
| product\_id | Unique ID for each product |
| product\_group | High-level grouping like Beans/Teas |
| product\_category | Specific category like Coffee Beans |
| product\_type | Type of product (e.g., Organic Beans) |
| Product | Name of the product |
| product\_description | Marketing description of the product |
| unit\_of\_measure | Measurement unit (e.g., 12 oz, 1 lb) |
| current\_cost | Product cost to company |
| current\_wholesale\_price | Wholesale price of product |
| current\_retail\_price | Retail price for customers |
| tax\_exempt\_yn | Is the product tax-exempt? (Y/N) |
| promo\_yn | Currently under promotion? (Y/N) |
| new\_product\_yn | Is it a newly launched product? (Y/N) |

# Customer Lookup

|  |  |
| --- | --- |
| Column Name | Description |
| customer\_id | Unique ID for each customer |
| home\_store | Customer’s default store location |
| customer\_first-name | Customer's first name |
| customer\_email | Email of the customer |
| customer\_since | When the customer joined |
| loyalty\_card\_number | Loyalty program ID |
| Birthdate | Birth date of the customer |
| Gender | Gender of the customer |
| birth\_year | Year of birth |

# Store Lookup

|  |  |
| --- | --- |
| Column Name | Description |
| store\_id | Unique identifier for each store |
| store\_type | Type of store (retail/warehouse) |
| store\_square\_feet | Size of the store |
| store\_address | Address of the store |
| store\_city | City of the store |
| store\_state\_province | State or province |
| store\_postal\_code | ZIP or postal code |
| store\_longitude | Longitude for map visuals |
| store\_latitude | Latitude for map visuals |
| Manager | Store manager’s staff ID |
| Neighorhood | Local neighborhood |

# Employee Lookup

|  |  |
| --- | --- |
| Column Name | Description |
| staff\_id | Unique employee ID |
| first\_name | First name of employee |
| last\_name | Last name of employee |
| Position | Job title (e.g., Barista) |
| start\_date | Date of joining |
| Location | Workplace (HQ/WH) |

# Calendar

|  |  |
| --- | --- |
| Column Name | Description |
| Transaction\_Date | Calendar date of transaction |
| Date\_ID | Formatted as YYYYMMDD |
| Week\_ID | Week number in year |
| Week\_Desc | Label for the week |
| Month\_ID | Numeric month value |
| Month\_Name | Full month name |
| Quarter\_ID | Quarter number (1-4) |
| Quarter\_Name | Label (Q1, Q2...) |
| Year\_ID | Year (e.g., 2023) |
| Week\_Year | Week and year combined |

# Food Inventory

|  |  |
| --- | --- |
| Column Name | Description |
| store\_id | Store where inventory was held |
| baked\_date | Date product was baked |
| transaction\_date | Date of transaction related to item |
| product\_id | ID of food product |
| quantity\_start\_of\_day | Opening stock |
| quantity\_sold | How much sold that day |