

Practice Exercise: Introduction to Power BI

The following is a post-class exercise for practicing Power BI functionalities.

Note: This is neither a graded assessment nor has any time restraints for completion.

Case Study Number & Title	5. Analyzing turnover in a company
Background Information	A company has been operational since January 2018. At the end of roughly one year, the HR analytics team is analyzing turnover across departments
Problem Statement/ Business objectives	Create some initial insights on the turnover in the company
Data, Information for case analysis	<p>Data is provided as a Excel file. Below is the source and attribute information.</p> <p>Source link: https://chandoo.org/wp/employee-turnover-dashboard-powerbi/</p> <p><u>Data Description</u></p> <p>Name – name of employee gender – gender of employee Department – the department of the employee Branch – the branch of the employee Date of join – joining date of the employee Date of leaving – leaving date of the employee Designation – job role of the employee</p>
Questions	<ol style="list-style-type: none"> 1. In the power query editor, merge the staff and leavers tables based on the column Name 2. Create a new table called Calender which has the first date as 01/01/2018 and the last date as 02/28/2019 (Power BI used the U.S. date notation). Create a relationship between this table and the staff table 3. Using the staff table Create the following measures <ol style="list-style-type: none"> a. Joinee Count b. Leaver Count c. Total Staff to Date (use the quick measure on Joinee Count; add Date as the field; change the formular to reflect Joinee Count – Leaver Count) d. Turnover% (Leaver Count / Joinee Count) 4. Create a one-page interactive dashboard with the following elements

	<ul style="list-style-type: none"> a. Slicer for department b. Line chart showing Joinee Count and Leaver Count by Date (show month level) c. Line chart showing Total Staff Count by Date (show month level); if possible show a forecast for the next 6 months d. Stacked bar-chart showing Leaver Count by Gender and Branch e. Table showing the Top 10 designations by Turnover% f. Three multi row cards showing Joinee Count, Leaver Count, and Total Staff to Date <ul style="list-style-type: none"> i. Entire dataset timeline i.e 01/01/2018-02/28/2019 ii. Last one month assuming analysis is happening on 02/28/2019 iii. Last three months assuming analysis is happening on 02/28/2019
Solution	A solution workbook is provided with the dataset
Deliverables for Solution and Rubric	Non-graded assessment
Key Takeaways/Results	Analyzing data using Power BI and deriving meaningful insights, which aids in decision-making.