**Summary of the Presence Insights Dashboard**

The Presence Insights Dashboard provides a comprehensive analysis of employee attendance over a three-month period. The dashboard focuses on key metrics such as overall presence percentage, work-from-home (WFH) percentage, and sick leave (SL) percentage. It showcases the trends in employee presence by dates and days of the week, enabling HR to monitor attendance patterns effectively.

**Key Components:**

* **Presence Metrics:** The dashboard highlights a 91.83% overall presence rate, with 10.00% of employees working from home and 1.10% on sick leave.
* **Visual Trends:** Line charts illustrate trends in presence, WFH, and SL percentages over the three months, with daily and weekly breakdowns.
* **Employee-Specific Data:** A detailed table provides individual employee presence insights, including specific days and types of leave taken.
* **Day-of-Week Analysis:** The dashboard compares presence, WFH, and SL percentages by each day of the week, revealing patterns in employee attendance behavior.

**Learnings from the Project**

1. **Data Transformation is Crucial:**
   * Initial data was unstructured, requiring significant transformation. This experience underscored the importance of cleaning and restructuring data for meaningful analysis.
   * Consolidating date columns into a single column allowed for efficient analysis and visualization.
2. **DAX Proficiency:**
   * Creating metrics using DAX queries enhanced the analysis by providing precise insights into various attendance aspects.
   * This exercise improved my skills in writing DAX queries for dynamic and insightful reporting.
3. **Visualization Insights:**
   * Visualizing data through charts and KPIs helped uncover trends and patterns that were not immediately evident in raw data.
   * The use of different visual elements (line charts, tables, KPIs) provided a comprehensive view of employee attendance, aiding decision-making.
4. **Trends and Patterns:**
   * The analysis revealed specific days with lower or higher presence rates, indicating potential patterns in employee behavior.
   * Understanding these trends can help HR optimize work schedules and address attendance-related issues.
5. **Real-world Application of Data Science Skills:**
   * This project demonstrated the practical application of data science techniques in a real-world HR scenario, blending data transformation, analysis, and visualization.

Overall, this project provided valuable insights into employee attendance, enhanced my data transformation and visualization skills, and emphasized the importance of clear, actionable insights for HR management.