**Project: Data Analysis and Visualization**

**Problem Statement:**

You have been provided with a dataset that contains information about monthly sales of a store for different products. The dataset is in CSV format (**sales\_data.csv**) and has the following columns:

* **Month**: The month of the sale (e.g., January, February).
* **Product\_A**: Sales data for Product A.
* **Product\_B**: Sales data for Product B.
* **Product\_C**: Sales data for Product C.

Tasks:

1. **Data Loading:**
   * Load the CSV file into a NumPy array using the appropriate NumPy function.
2. **Data Exploration:**
   * Print the shape of the array to understand the dimensions.
   * Display the first few rows of the dataset to get a sense of the data.
3. **Data Cleaning:**
   * Check for missing values and handle them appropriately.
   * Ensure that data types are appropriate for each column.
4. **Data Analysis:**
   * Calculate the total sales for each product.
   * Find the month with the highest total sales.
5. **Data Visualization:**
   * Use Matplotlib or Seaborn to create visualizations:
     + Plot the monthly sales trends for each product.
     + Create a bar chart to compare total sales for each product.
6. **Advanced Analysis (Optional):**
   * Calculate the percentage growth of sales from one month to the next.
   * Identify the product with the highest percentage growth in a specific month.

Tips:

* You can use the **np.genfromtxt** function to load data from a CSV file into a NumPy array.
* For data visualization, consider using Matplotlib or Seaborn. Matplotlib is a versatile plotting library, and Seaborn provides a high-level interface for statistical graphics.

Note:

Make sure to break down the tasks into smaller steps, and don't hesitate to refer to the NumPy documentation or online resources if you encounter any challenges. This project will not only help you practice NumPy but also strengthen your skills in data analysis and visualization.