

**Exploring Daily Minimum Temperatures Dataset**

Course Name: Advanced Programming Skills

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**Data Analysis Summary**

In this analysis, we worked with a dataset containing daily minimum temperatures over a 10-year period. After cleaning and preparing the data, we extracted useful time-based features such as year, month, and day of the week to support deeper analysis. When focusing on the year 1985, we found that 86 days had minimum temperatures below 10°C, indicating several notably cold days throughout that year.

We then grouped the data by year to calculate the average minimum temperature for each year. Our findings showed that the warmest year in terms of average daily minimum temperature was 1998, while the coldest year was 1983. This comparison highlights how temperatures fluctuated annually and gives insight into potential trends in climate over the years. The results could be useful for studies in environmental science or to understand seasonal variations in a specific region.