In this assignment you will be asked to visualize, process, and analyze the series provided, only.

Exercise A. The first series of the dataset presents the daily sales of a retail store, expressed in Rupees. You are asked:

1. To visualize the original series.
2. To identify the missing values and fill them using an appropriate method.
3. To identify the outliers present and normalize their values.
4. To create and visualize the respective weekly and monthly series.
5. To decompose the monthly series and visualize its trend and seasonal components.
6. To compute the average sales per weekday and month

Exercise B. The second series of the dataset presents the daily sales of a product sold in the store,

expressed in units. You are asked:

1. To visualize the series.
2. To compute the average daily demand of the product, the coefficient of variation of non-zero demands (CV²), and the average number of time periods between two successive non-zero demands (ADI).
3. To visualize the empirical distribution of the demand of the product and compute its 5%, 50% and 95% percentiles.
4. To create and visualize the respective monthly series and comment on its seasonal pattern, if present.