

Analysis of the Data: Histogram: The histogram shows the distribution of the room temperature values. Room temperature in Amman during the summer might vary due to several factors, such as building materials, sunlight exposure, and room orientation. A symmetric box with whiskers of equal length and no extreme outliers suggests normality. If the curve is roughly bell-shaped and symmetric, it suggests that the data may be normally distributed. Here, they are relatively close but not identical, indicating some slight skewness in the data. The mean, median, and mode are not identical but are fairly close, indicating that the data might be close to normal but with some deviations. These factors could lead to some rooms being significantly warmer, causing slight skewness in the data. Box and Whisker Plot: The box plot helps visualize the spread and symmetry of the data. Any visible skewness or outliers would suggest otherwise. Mean, Median, and Mode: Mean: 35.00°C Median: 35.17°C Mode: 34.25°C In a normal distribution, these three values should be quite close. The histogram and box plot suggest that the data is slightly skewed rather than perfectly normal. However, if the curve appears skewed, the data might not be normal. Conclusion: Is the data normally distributed? Should this data be normal? It's possible that this data is not perfectly normal. Therefore, a perfectly normal distribution is not necessarily expected for this type of data.