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Forecasting Methods

Problem Set V

Problem Set for Exercise 5

For feedback to your solutions of the problem set, please hand the R script file in by December 22th, 2023. Please send them by email to *abigail.asare@uol.de* with the subject "Forecasting: Problem Set V".

1. Create a R script file library required packages and use R data set called austourists

2. Create a time series object beginning 2005. Hint: use window command.

3. Graph and explain with respect to the components of a time series.

4. Which model would be appropriate.

5. Use both additive and multiplicative Holt's Winter approach.

6. Compare the two models using RMSE, which model is the best fit.

7. Compute by R (using the formula) forecast for 2016-2017