Carl von Ossietzky
Universität
Oldenburg

Forecasting Methods

Problem Set I

Problems for Exercise Introduction to R

The problem sets are not graded. However, it is highly advised to solve the problem sets!

For questions please contact abigail.asare@uol.de. For feedback to your solutions of the problem set, please hand the R script file in by December 19th, 2025. Please send them by email to abigail.asare@uol.de with the subject "Forecasting: Problem Set I".

1. Create a R script file and import the STAN data base.

2. Drop all variables with exception of COUNTRY YEAR VALU WAGE INDUSTRY ISICREV3.

3. Create a new variable which is the growth rate of value added in current prices.

4. Create a new variable which is the growth rate of the wages.

5. Drop all observations where value added and wages have both a missing value.

6. Create a scatter plot between the growth rates of value added and the wages for the Motor Vehicles, Trailers and Semi-Trailers sector in France.

7. Create a line plot of the growth rate of wages over time for the Motor Vehicles, Trailers and Semi-Trailers sector in France.

8. Get the means of the growth rates of value added and wages for all observations and for the Motor Vehicles, Trailers and Semi-Trailers sector in France.