Transfer Function Modeling with R

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Introduction

In this report, we will demonstrate how to implement a transfer function model in R using the forecast package. Transfer functions model the relationship between an output time series and one or more input time series, accounting for potential lags and other dynamics...

Exploratory Analysis

This warning is displayed once every 8 hours.

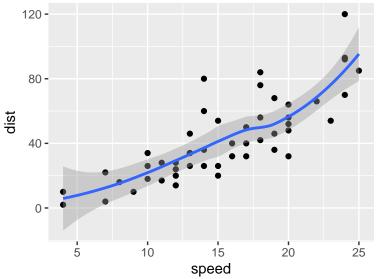
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```
summary(cars)
```

generated.

```
##
        speed
                         dist
##
    Min.
           : 4.0
                    Min.
                           :
                              2.00
    1st Qu.:12.0
                    1st Qu.: 26.00
##
   Median:15.0
                   Median : 36.00
           :15.4
                           : 42.98
##
    Mean
                    Mean
                    3rd Qu.: 56.00
##
    3rd Qu.:19.0
           :25.0
   {\tt Max.}
                    Max.
                           :120.00
qplot(speed, dist, data=cars) + geom_smooth()
## Warning: 'qplot()' was deprecated in ggplot2 3.4.0.
```

Call 'lifecycle::last_lifecycle_warnings()' to see where this warning was



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Baseline Model

Model Implementing Transfer Functions

Results and Comparisons

Here are some key results that might be very insightful. Here are some key results that might be very insightful. Here are some key results that might be very insightful. Here are some key results that might be very insightful. Here are some key results that might be very insightful. Here are some key results that might be very insightful. Here are some key results that might be very insightful. Here are some key results that might be very insightful. Here are some key results that might be very insightful. Here are some key results that might be very insightful.

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Conclusion

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