

Multiple linear regression – Lesson overview



Learning objectives:

- Implement multiple linear regression models using sklearn and statsmodels.
- Check for violations of multiple linear regression assumptions and interpret their implications.
- Visualise relationships between variables and residuals to identify patterns.
- Use diagnostic plots and statistical tests to assess the validity of regression models.
- Apply techniques to handle multicollinearity and influential outliers in regression analysis.
- Interpret regression model outputs and make informed decisions based on the results.



Video



Knowledge questions



Examples



Exercise

