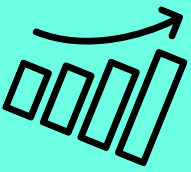


# DIAGNOSTIC PLOTS FOR LINEAR REGRESSION



Whenever a researcher uses linear regression, the results must include an assessment of whether the assumption of linear response is justified.



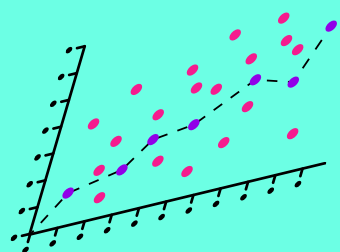
Follow this simple checklist to ensure your project contains all of the vital information to prove the linear assumption.

## Simple Regression

- ☐ Scatter Plot
- ☐ Scatter Plot with Fitted Line
- ☐ Residuals versus X
- ☐ Residuals versus Fitted Value
- ☐ Fitted versus Observed Value
- ☐ Normal Plot of Residuals
- ☐ Goodness of Fit Test

## Multiple Regression

- ☐ ~~Scatter Plot~~
- ☐ ~~Scatter Plot with Fitted Line~~
- ☐ Residuals versus X (each X)
- ☐ Residuals versus Fitted Value
- ☐ Fitted versus Observed Value
- ☐ Normal Plot of Residuals
- ☐ Goodness of Fit Test



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