

- Forward selection
- Backward elimination

Advanced Techniques

In addition to the techniques listed above that will be covered in-depth in this course, there are more advanced techniques that you may come across in your career as a data professional, such as:

- Ridge regression
- Lasso regression
- Principal component analysis (PCA)

These techniques can result in more accurate and predictive models, but can complicate the interpretation of regression results.

Key Takeaways

- Many of the assumptions of simple linear regression extend readily to multiple linear regression.
- You can use scatterplots and variance inflation factors to check for multicollinearity in a regression model.
- There are different techniques for variable selection to remove multicollinearity in a model.

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