

# Linear Regression Concept

Month 2: Classical Machine Learning | Week 5: Supervised Learning: Regression | Day 1

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## Theory & Concepts

**Watch:** StatQuest's Linear Regression, Clearly Explained (27 min). Concept: Fitting a line, Residuals, Least Squares.

## Practice Exercises

**Python:** Implement Simple Linear Regression using `scikit-learn` on generated dummy data `X = np.array([1,2,3...]), y = 2\*X + noise`.

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Estimated Time: 2h

Completed: [ ]

Notes:

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