Advanced Linear Models for Data Science 1: Least Squares

by Johns Hopkins University

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Welcome to the **Advanced Linear Models for Data Science Class 1: Least Squares**. This class is an introduction to least squares from a linear algebraic and mathematical perspective. Before beginning the class make sure that you have the following:

More

1. A basic understanding of linear algebra and multivariate calculus.
2. A basic understanding of statistics and regression models.
3. At least a little familiarity with proof based mathematics.
4. Basic knowledge of the R programming language.

For many of these prerequisites, there are existing Coursera classes to cover them. These include Roger Peng's R course and my own courses on Statistical Inference and Regression Models.

Be sure to take a look at the readings before starting the course for information and Enjoy Advanced Linear Models for Data Science Class 1: Least Squares!

Brian

Congratulations!

You've successfully completed **Advanced Linear Models for Data Science 1: Least Squares**

View your certificate

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✓ **WEEK 1**

✓ **WEEK 2**

✓ **WEEK 3**

✓ **WEEK 4**

✓ **WEEK 5**

✓ **WEEK 6**

Bases and residuals

Videos Done

REQUIRED	GRADE	DUE
Quiz Bases Quiz **8 min**	100%	Mar 5
Quiz Residuals Quiz **10 min**	100%	Mar 5

No, I don't want to receive email about other programs from **Johns Hopkins University**.

No