

# Introduction to Module 1

Johns Hopkins Engineering

## **625.461 Statistical Models and Regression**

Module 1 – Lecture 1A



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# Topics of Module 1

**Welcome** to this course “Statistical Models and Regression” for Spring 2018. Module 1 covers the following topics:

- Introduction to Regression Modeling
- Linear Regression Model
- Two Main Types of Models
- Multiple Linear Regression Model
- Purposes of Regression Analysis
- Regression Model-Building Process
- Simple Linear Regression Model
- Ordinary Least-Squares Estimation and Variances



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