

Introduction to Module 2

Johns Hopkins Engineering

625.461 Statistical Models and Regression

Module 2 – Lecture 2A

Topics of Module 2

Module 2 continues to cover the remaining topics of simple linear regression model as listed below:

- Statistical Hypothesis for Slope
- Test Statistic and Critical Region for Slope
- ANOVA for Testing Slope
- Interval Estimation and Confidence Interval
- Estimation of Mean Response, Prediction of New Response
- Maximum Likelihood Estimation of Model Parameters
- When Regressor is Random
- Correlation Coefficient, Estimation and Statistical Testing



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