

Forthcoming Classes:

Linear Models (weeks 2 and 3)

- Simple Linear Regression
 - Regression Equation
 - Intercept and Slope estimate
- Correlation
- Formal Tests of Parameter values
 - Formal Testing of Slope and Intercept.
 - Formal Testing of Correlation coefficient.
- Multiple Linear Regression
 - Multiple Independent Variables
- Variable Selection Techniques
 - Akaike's Information Criterion
 - Coefficients of Determination (R- squared estimates)
 - Backward Elimination
 - Forward Selection
 - Stepwise Selection
- Regression through the Origin
 - Relevance of the Intercept in certain models