Introduction to Statistical Modeling MSDS 598

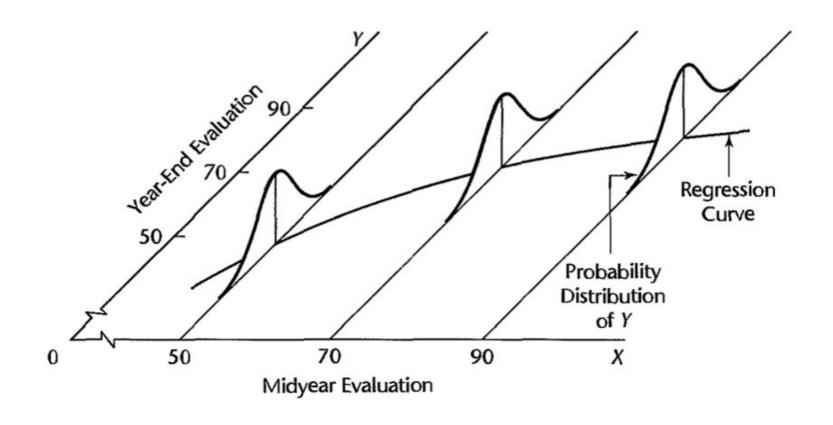
More Linear Regression

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Last Time

- Linear Regression by Least Squares:
 - Find β_0 , β_1 that minimizes the Residual Sum of Squares
- We can evaluate our model using the R^2 statistic.

$$R^2 = rac{TSS {-}RSS}{TSS} \qquad \qquad TSS = \sum_{i=1}^{N} (y_i - ar{y}) \ ag{Total Sum of Squares}$$



From Applied Linear Statistical Models by Kutner, Nachtsheim, Neter, Li