Chapter 15 Notes

Daxiang Na

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Plan for Today

1. Learn to evaluate how good our linear regreession is

Evaluating Model Fit

Coefficient of Deetermination

1. Extremes:

    1. $R^2 = 1$, perfect
    2. $R^2 = 0$, not linear at all

Residual plot

1. residuals = actual - predicted
2. a residual plot is a scatterplot of the residuals over the fitted values $\hat{y}$
3. if there is no trend in residual plot

    1. relationship is non-linear