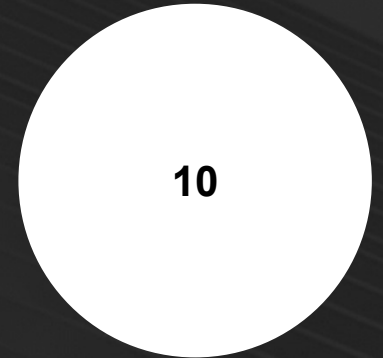


# Data Transformation & Regression

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Project 10





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**The strength and weakness of  
different data transformation.**

## /About Our Shiny App

### Five different transformations

1. Log transformation
2. Reciprocal transformation
3. Squared transformation
4. Square-root transformation
5. Box-cox power transformation



## /Linear Regression

$$Y = B * X + e$$

$$B = 0.2$$

$$X \sim N(100, 15)$$

$e \sim$  skewed normal distribution

alpha – skewness – controlled by user