Logistics Regression

- When a player is a batsman (1) or not (0), we don't have continuous response variable.

- Solution: transformations:

1. We model on the **probability** of a player being a batsman, .

2. We transform the probabilities so they can be modelled over :

$$p_i \in [0,1]$$

$$\log\left(\frac{p}{1-p}\right) = X\boldsymbol{\beta} + \boldsymbol{\epsilon}$$

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- Solution: transformations:

1. We model on the **probability** of a player being a batsman, $p_i \in [0,1]$.
2. We transform the probabilities so they can be modelled over $\mathbb{R}$:

$$\log\left(\frac{p}{1-p}\right) = X\boldsymbol{\beta} + \boldsymbol{\epsilon}$$

Interpretations