

Figure 13.7. SIMPLE LINEAR REGRESSION: Estimating Model Parameters and Responses

Section headings to provide a content overview

1. The *Study Population* Regression of $\mathbf{Y}$ on $\mathbf{X}$
2. The *Model* Regression of $\mathbf{Y}$ on $\mathbf{X}$
3. The *Estimated* Regression of $\mathbf{Y}$ on $\mathbf{X}$
4. Assessing Model Error
5. Estimating β_1 , the Slope Parameter in the Model
6. Estimating $\mu_Y(x_j)$, the *Mean* of Y in the Model
7. Estimating β_0 , the $\mathbf{Y}$ -Intercept in the Model
8. Estimating $y(x_j)$, the *Value* of Y in the Model
9. Summary

Three diagrams

Forty-six equations