

习题 8.1

1. $\hat{Y} = 24.6287 + 0.058x$.

2. $\hat{Y} = 0.1426 + 0.8662x$.

3. (1) $\hat{a} = 480.2015$, $\hat{b} = -3.7511$, $\hat{Y} = 480.2015 - 3.7511x$; (2) $\hat{\sigma}^2 = 19.1571$.

4. (1) 回归效果显著; (2) $(-4.2629, -3.2393)$; (3) $(187.1652, 210.5728)$.

5. (1) $\hat{y} = 13.9584 + 12.5503x$; (2) $\hat{\sigma}^2 = 0.0432$; (3) 回归效果显著; (4) $(19.56, 20.$

81).