

Solutions

Each answer shows the steps, then the **result**.

2.1

- state hypotheses and check conditions; compute t ; find the p-value; compare to α and conclude

2.2

- the slope is significantly different from 0 — a real linear relationship

2.3

- reject H_0 ($0.001 < 0.05$)

3.1 B

3.2 B

3.3

(a)

- reject H_0

(b)

- yes

(c)

- there is convincing evidence of a linear relationship between the variables