

Solutions

For each of the following Test Statistics and Critical Regions, choose if we should ACCEPT or REJECT H_0 .

Test Statistic = 8+

☒ ACCEPT H_0

Critical Region = $P(X \geq 9) = 0.0107$

☐ REJECT H_0

Test Statistic = 9+

☐ ACCEPT H_0

Critical Region = $P(X \geq 8) = 0.0192$

☒ REJECT H_0

Test Statistic = 14+

☒ ACCEPT H_0

Critical Region = $P(X \geq 15) = 0.0206$

☐ REJECT H_0

Test Statistic = 5-

☐ ACCEPT H_0

Critical Region = $P(X \leq 5) = 0.0481$

☒ REJECT H_0

Test Statistic = 3-

☒ ACCEPT H_0

Critical Region = $P(X \leq 2) = 0.0327$

☐ REJECT H_0

Test Statistic = 5-

☐ ACCEPT H_0

Critical Region = $P(X \leq 7) = 0.0465$

☒ REJECT H_0

Test Statistic = 10+

☒ ACCEPT H_0

Critical Region = $P(X \geq 11) = 0.0286$

☐ REJECT H_0

Test Statistic = 15+

☐ ACCEPT H_0

Critical Region = $P(X \geq 15) = 0.0391$

☒ REJECT H_0

Test Statistic = 2-

☒ ACCEPT H_0

Critical Region = $P(X \leq 1) = 0.0351$

☐ REJECT H_0

Test Statistic = 5-

☒ ACCEPT H_0

Critical Region = $P(X \leq 4) = 0.0384$

☐ REJECT H_0