

Answer on Question #38776 – Math - Statistics and Probability

Inspector Significance wanted to find out if the mean weight of the eggs differs from 50 grams. He tested the hypotheses $H_0: \mu = 50$ versus $H_a: \mu \neq 50$ and got a P-value of 0.0192. At $\alpha = 0.05$, what should he conclude from his test of significance?

Answer

Since P-value

$$P = 0.0192 < \alpha = 0.05$$

we reject the null hypothesis at the significance level 0.05. So the mean weight of the eggs differs from 50 grams at the significance level 0.05.