

Assignment

1. Submit a writeup on metrics derived from confusion matrices.
2. P-value method - Solve

2. A factory manufactures cars with a warranty of 5 years on the engine and transmission. An engineer believes that the engine or transmission will malfunction in less than 5 years. He tests a sample of 40 cars and find the average time to be 4.8 years with a standard deviation of 0.50. (a) State the null and alternative hypotheses. (b) At a 2% significance level, is there enough evidence to support the idea that the warranty should be revised?