Master of Data Science,

Statistics Basics

Additional exam

1. A box contains 4 marbles, theta of which are white and the rest are black. A sample of size 2 is drawn to test : θ= 2 versus : θ ≠ 2. If the null hypothesis is rejected both marbles are the same color, find the significance level of the test.
2. A random sample of 9 observations from a normal population yields the observed statistics = 5 and = 36. What is the 95% confidence interval for μ ?