

2014/2015 FIRST SEMESTER TEST

COURSE CODE: STAT 101, COURSE TITLE: INTRODUCTORY STATISTICS

INSTRUCTION: Answer all questions.

1. Differentiate between primary and secondary data
2. Find the probability of getting a 3 or 5 while throwing a die.
3. A coin is tossed three times. Find the probability that it lands on tail exactly one time.
4. A set S consists of points labeled 1, 2, 3, 4, 5, 6, 7, 8, and 9. If $A=\{1, 2, 3, 4\}$, and $B=\{3, 4, 5, 6\}$. Find $A \cap B$
5. A population consists of the four numbers 3, 5, 7, and 9. Consider all possible samples of size 2 that can be drawn without replacement. Find the mean of the sampling distribution of means