Econometrics

Lecture 4: Central Limit Theorem, Probability and Probability Density Function

Quiz

1. What is the full form of PDF?

a) Probability Distribution Function

b) Probability Density Function

c) Probability Differential Function

d) Both b and c

2. A measurable characteristics about an entire population isa. a parameter;b. a populationc. a statistic;d. a sample

3. The larger the sample, the smaller the spread in the sampling distribution. True / False

4. Coefficient of determination is denoted as:

a.	r	b. r _s
b.	R	d. r ²

5. Normal distribution follows the standard normal distribution when the following condition holds good:

a) Xi \sim N(μ , σ^2) b) Xi \sim N(0, 1) c) Xi \sim N(\bar{x} , s) d) Xi \sim N(μ , 1)

- 6. Probability defines the ----- of occurrence of an event.
- 7. What are the two categories of probability density functions?