

[Dashboard](#)[My courses](#)[In18-S7-EN4553 \(116751\)](#)[9 Dec 2022 - Semantic Segmentation & SLT Part I](#)[Quiz 09](#)

<b>Started on</b>	Friday, 16 December 2022, 11:42 AM
<b>State</b>	Finished
<b>Completed on</b>	Friday, 16 December 2022, 11:44 AM
<b>Time taken</b>	2 mins 33 secs
<b>Marks</b>	5.00/5.00
<b>Grade</b>	10.00 out of 10.00 (100%)

## Question 1

Correct

Mark 1.00 out of 1.00

The mean of a sample means of a population is equal to the mean of the population.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

## Question 2

Correct

Mark 1.00 out of 1.00

If the Population is not normally distributed, the mean of sample means will not be normally distributed even when the sample is of sufficient size.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

## Question 3

Correct

Mark 1.00 out of 1.00

The Mean Squared Error of an estimator is a sum of

- ☐ a. Square of Variance
- ☒ b. Variance
- ☐ c. Bias
- ☒ d. Square of Bias



Your answer is correct.

The correct answers are:  
Square of Bias, Variance

## Question 4

Correct

Mark 1.00 out of 1.00

What is desirable in an estimator ?

- ☒ a. Low Bias
- ☐ b. High Variance
- ☒ c. High Bias
- ☒ d. Low Variance



Your answer is correct.

The correct answers are:  
Low Bias,  
Low Variance

## Question 5

Correct

Mark 1.00 out of 1.00

Consider a fair coin which is tossed "n" times. All outcomes are recorded for analytic purposes. If the result of the coin toss is considered to be consistent, what will be the probability of the coin toss being "Heads" in the experiment conducted, if it is done for  $n = +\infty$  times.

Answer:

The correct answer is: 0.5

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[◀ 06 - Semantic Segmentation](#)



Next activity

[07 – Statistical Learning Theory – Part I ►](#)

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