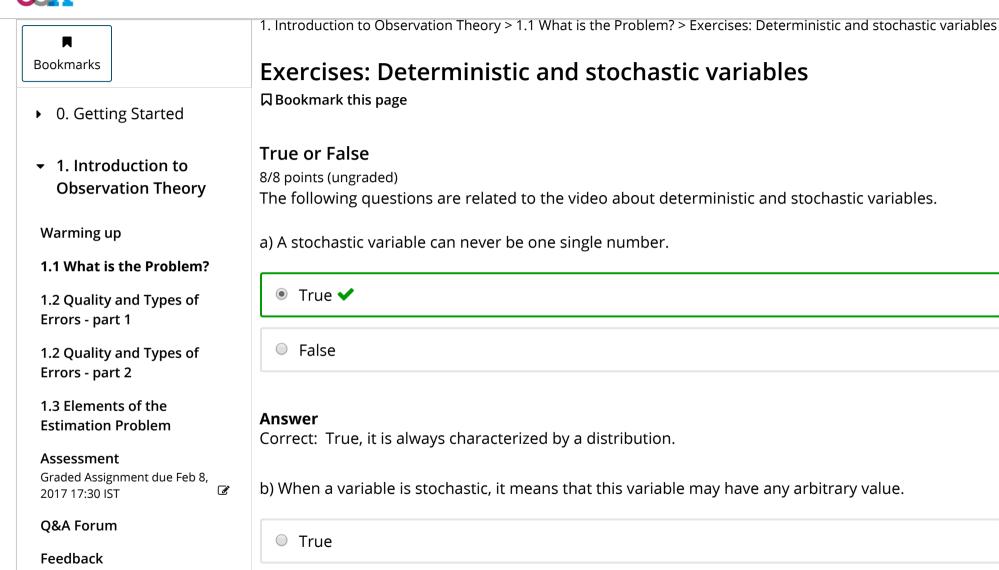


DelftX: OT.1x Observation theory: Estimating the Unknown

Help



● False ✓

2. Mathematical model

- 3. Least Squares Estimation (LSE)
- 4. Best Linear Unbiased Estimation (BLUE)
- Pre-knowledgeMathematics
- MATLAB Learning Content

Answer

Correct: False, this depends on the domain of the distribution.

c) A deterministic variable does not have a probability distribution.





Answer

Correct: True, a deterministic variable is a single number, that we may or may not know.

d) In an estimation problem, the 'unknown' is a number that we can find by calculation.





Answer

Correct: False, we will never know the value of the unknown, we may only estimate it.

•	True 🗸
0	False
0	oservations (i.e., the actually observed values, or realizations) are always deterministic.
	True ✔
0	False
	wer
rue	ect: e, but tricky: once the observations are actual numbers obtained from the observing process, e numbers are deterministic. The observations are the "realisations" of the stochastic variable th we will call 'observables': the quantities which are not yet actually measured.
) lc	ealization accuracy is not related to the quality of the observation technique.
•	True ✔
0	False

Answer Correct: True, it tells us whether we really measure the quantity we're really interested in.		
h) In our model of observation equations, the unknown parameters are indicated with the letter 'y'.		
O True		
● False ✔		
Answer Correct: False, the parameters are the unknowns, which we indicate with the letter (vector) x.		
Submit		

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