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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Data Science for Engineers (course)

Announcements (announcements) About the Course (https://swayam.gov.in/nd1_noc20_cs28/preview)

Ask a Question (forum) Progress (student/home) Mentor (student/mentor)

Unit 8 - Week 6

Course outline	Practice Assignment 6	
How does an NPTEL online course work?	The due date for submitting this assignment has passed. Due on 2020-03-11, 23:5 As per our records you have not submitted this assignment.	59 IST.
Week 0	Note: This assignment is only for practice purpose and it will not be counted towards the score	e Final
Week 1	1) The higher the value of R ² for a model, the observations are more closely grouped around:	1 point
Week 2	the origin	
Week 3	the best fit lineaverage values of the predicted variable	
Week 4	the intercept	
Week 5	No, the answer is incorrect. Score: 0 Accepted Answers:	
Week 6	the best fit line	
Module : Predictive Modelling (unit? unit=43&lesson=44)	The standard assumption of ordinary least squares regression is that: there are no errors in measurements of independent and dependent variables there are errors only in measurement of independent variable	1 point
C Linear Regression (unit? unit=43&lesson=45)	there are errors only in measurement of dependent variable there are errors both in measurements of independent and dependent variables No, the answer is incorrect. Score: 0	
Model Assessment (unit?	Accepted Answers: there are errors only in measurement of dependent variable 3) The relationship between the dependent and independent variables in a simple linear	1 point
unit=43&lesson=46)	regression is described by	,

 Diagnostics to 	F-statistic	
Improve Linear	predicted value and error	
Model Fit (unit?	As a dendined verificate	
unit=43&lesson=47		
 Simple Linear 	ocefficient and intercept	
Regression	No, the answer is incorrect.	
Model Building	Score: 0	
(unit? unit=43&lesson=48	Accepted Answers: coefficient and intercept	
unit-4001633011-40) coemoient and intercept	
Simple Linear	4) The Pearson's correlation coefficient between two parameters is calculated to be 0.10. What	1 point
Regression Model	can be inferred from the correlation coefficient regarding	
Assessment	the relationship between the two parameters?	
(unit?	There exists a weak negative relationship between two variables	
unit=43&lesson=49	There exists a strong negative relationship between two variables	
Simple Linear	There exists a weak positive relationship between two variables	
Regression	Correlation coefficient cannot possess this value	
Model Assessment (
Continued)	No, the answer is incorrect. Score: 0	
(unit?	Accepted Answers:	
unit=43&lesson=50	There exists a weak positive relationship between two variables	
Muliple Linear	5) Standardised residuals have:-	1 point
Regression	o) Startadi dissa residuale riave.	. pome
(unit?	binomial distribution with n degrees of freedom	
unit=43&lesson=51	t distribution with n-2 degrees of freedom	
Dataset (unit?	log-normal distribution with n-2 degrees of freedom	
unit=43&lesson=52	chi-square distribution with n degrees of freedom	
FAQ (unit?		
unit=43&lesson=53	No, the answer is incorrect. Score: 0	
Quiz : Practice	Accepted Answers:	
Assignment 6	t distribution with n-2 degrees of freedom	
(assessment?		
name=95)		
O Quiz :		
Assignment 6		
(assessment? name=119)		
,		
• Week 6		
Feedback (unit? unit=43&lesson=12	 31	
Solution -Assignment 6		
(unit?		
unit=43&lesson=12	(8)	
Week 7		
Week 8		
Text Transcripts		

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