Course outline

course work?

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Week 2

Week 3

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Week 6

Week 7

Week 8

Maximum Likelihood

Maximum Likelihood

Important data files

Week 9

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Week 12

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Quiz : Assignment 8

Solution : Assignment 8

LOGISTIC REGRESSION- I

LOGISTIC REGRESSION-II

 Linear Regression Model Vs Logistic Regression Model

Estimation- I

Estimation-II

Announcements

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**Progress** Mentor

1 point

## Unit 9 - Week 8

How does an NPTEL online

NPTEL » Data Analytics with Python

The due date for submitting this assignment has As per our records you have not submitted this	
Likelihood contribution (L_i) is defined as -	
The height of the observed data	
The width of the observed data	
The height of the density function	
The width of the density function	
No, the answer is incorrect. Score: 0	
Accepted Answers: The height of the density function	
2) Likelihood function (L) is defined as -	
O Summation of likelihood contribution to all the	the observation
<ul> <li>Multiplication of likelihood contribution to all</li> </ul>	Il the observation
Both (a) and (b)	
O None of the above	
No, the answer is incorrect.	
Score: 0 Accepted Answers:	
Multiplication of likelihood contribution to all the o	observation
Ο 1/√(2πσ^2 ) e^( 〖-(14-β_0-8β_1)〗 ^2/(2σ^2 )	
O 1/√(2πσ^2 ) e^( 〖(14-β_0-8β_1)〗 ^2/(2σ^2 ))	
Ο 1/√(2πσ^2) e^( 〖-(8-β_0-14β_1)〗 ^2/(2σ^2)	
1/√(2πσ^2) e^( [(8-β_0-14β_1)] ^2/(2σ^2))	))
No, the answer is incorrect. Score: 0	
Score: 0 Accepted Answers: $1/\sqrt{(2\pi\sigma^2)} e^{(-(14-\beta_0-8\beta_1))} ^2/(2\sigma^2)$ 4) Which python module that provides classes a	and functions for the estimation of many different statistical models, as well as for conducting statisti
Score: 0 Accepted Answers:  1/√(2πσ^2) e^( [-(14-β_0-8β_1)] ^2/(2σ^2))  4) Which python module that provides classes a tests, and statistical data exploration –	and functions for the estimation of many different statistical models, as well as for conducting statisti
Score: 0 Accepted Answers:  1/√(2πσ^2) e^( [-(14-β_0-8β_1)] ^2/(2σ^2))  4) Which python module that provides classes a tests, and statistical data exploration –  Statsmodels	and functions for the estimation of many different statistical models, as well as for conducting statisti
Score: 0 Accepted Answers:  1/√(2πσ^2) e^( [-(14-β_0-8β_1)] ^2/(2σ^2))  4) Which python module that provides classes a tests, and statistical data exploration –  Statsmodels Statsmodels.api	and functions for the estimation of many different statistical models, as well as for conducting statisti
Score: 0 Accepted Answers:  1/√(2πσ^2) e^( [-(14-β_0-8β_1)] ^2/(2σ^2))  4) Which python module that provides classes a tests, and statistical data exploration –  Statsmodels Statsmodels.api Both (a) and (b)	and functions for the estimation of many different statistical models, as well as for conducting statisti
Score: 0 Accepted Answers:  1/√(2πσ^2) e^( [-(14-β_0-8β_1)] ^2/(2σ^2))  4) Which python module that provides classes a tests, and statistical data exploration –  Statsmodels Statsmodels.api Both (a) and (b) None of these	and functions for the estimation of many different statistical models, as well as for conducting statisti
Score: 0 Accepted Answers:  1/√(2πσ^2) e^( [-(14-β_0-8β_1)] ^2/(2σ^2))  4) Which python module that provides classes a tests, and statistical data exploration –  Statsmodels Statsmodels.api Both (a) and (b)	and functions for the estimation of many different statistical models, as well as for conducting statisti
Score: 0 Accepted Answers:  1/√(2πσ^2) e^( [-(14-β_0-8β_1)] ^2/(2σ^2))  4) Which python module that provides classes a tests, and statistical data exploration –  Statsmodels Statsmodels.api Both (a) and (b) None of these  No, the answer is incorrect. Score: 0 Accepted Answers:	and functions for the estimation of many different statistical models, as well as for conducting statisti
Score: 0 Accepted Answers:  1/√(2πσ^2) e^( [-(14-β_0-8β_1)] ^2/(2σ^2))  4) Which python module that provides classes a tests, and statistical data exploration –  Statsmodels Statsmodels.api Both (a) and (b) None of these  No, the answer is incorrect. Score: 0	and functions for the estimation of many different statistical models, as well as for conducting statisti
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Score: 0 Accepted Answers:  1/√(2πσ^2) e^( 『-(14-β_0-8β_1) 『 ^2/(2σ^2))  4) Which python module that provides classes a tests, and statistical data exploration –  statsmodels statsmodels.api Both (a) and (b) None of these  No, the answer is incorrect. Score: 0 Accepted Answers: statsmodels	n logistic regression is –

## int int int Score: 0 Accepted Answers: To verify the overall significance of the model and an individual independent variable's significance respectively 6) What does the odds ratio measures? 1 point The impact on the odds of a one-unit increase in only one of the independent variable The impact on the odds of a one-unit increase in the only dependent variable The impact on the odds of a one-unit increase in more than one of the independent variables Both (a) and (c) No, the answer is incorrect. Score: 0 Accepted Answers: The impact on the odds of a one-unit increase in only one of the independent variable Select the correct statement-1 point The odds ratio for each independent variable is computed while holding all the other independent variables constant In logistic regression error term follows the binomial distribution In logistic regression error term follows Normal distribution Both (a) and (b) No, the answer is incorrect. Score: 0 Accepted Answers: Both (a) and (b) 8) The significance of each parameter's contribution is tested with the help of -0 points Z- test Wald Test G-statistics Both (a) and (b) No, the answer is incorrect. Score: 0 Accepted Answers: Wald Test Choose the correct statement 1 point In logistic regression dependent variable must be continuous data In logistic regression dependent variable must be categorical data In logistic regression, both dependent and independent variables must be categorical data None of these No, the answer is incorrect. Score: 0 Accepted Answers:

In logistic regression dependent variable must be categorical data

Maximum Likelihood Estimates (MLE)

Ordinary Least Square methods (OLS)

G - Statistics and Wald test

Maximum Likelihood Estimates (MLE)

No, the answer is incorrect.

Accepted Answers:

Z- test

Score: 0

10) Which estimation technique used by the logistic regression model?