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The questions of the third E-Test are based on the tasks of R-Laboratory 8 and 9. **Please provide numbers in the requested precision within each question. The use of different precision is evaluated as wrong.**

Task 26**3 of 3.5 points**

0.5 of 0.5 points

Fit a probit regression model that predicts **Good.** using **Dist** as explanatory variable. In the following, we will refer to this model as *model 1*. What is the deviance of this model? **(requested precision: 4 digits)**

794.9805 ✓

0.5 points

What is the value of the predicted probability for a good kick when the distance is 47 yards for *model 1*? **(requested precision: 4 digits)**

0.6243 ✗ 0.6942 ✓

0.5 of 0.5 points

What is the 90 % profile confidence interval for the intercept of *model 1*? **(requested precision: 4 digits)**

lower bound of CI

3.3634 ✓

0.5 of 0.5 points

upper bound of CI

4.2432 ✓

0.5 of 0.5 points

Fit a probit model that predicts **Good.** using the attributes **Dist**, **Blk.**, **Pressure**, **Roof.type**, **Altitude** and **Field**. Select the model with smallest AIC using a backward stepwise selection algorithm. In the following, we will refer to this model as *model 2*. What is the number of parameters included in the selected model beyond the intercept? **(requested precision: whole number)**

2 ✓

0.5 of 0.5 points

What are the percentages of correct classified observations for *model 1* and *model 2* when the threshold probability is 0.5? **(requested precision: 4 digits)**

percentage correct classified observations *model 1*

82.3183 ✓

0.5 of 0.5 points

percentage correct classified observations *model 2*

84.0864 ✓

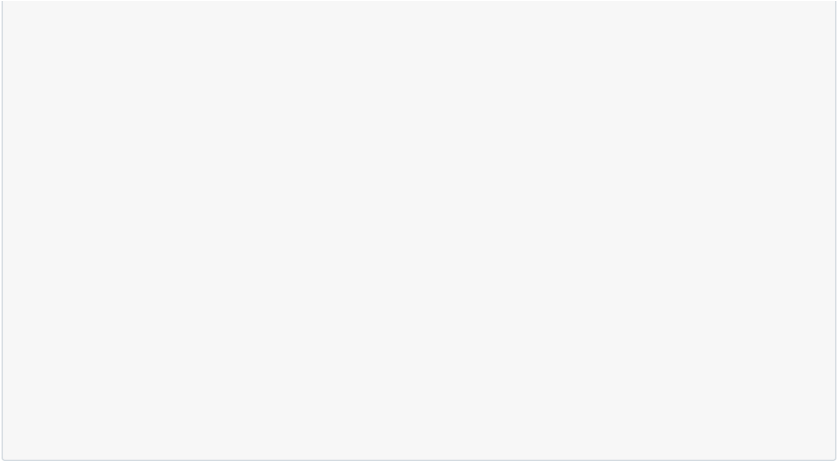
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- Be polite and friendly.
- Describe your rationale as precisely as possible.

Request for correction of this item

Dear sir or madam, ...



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