A00-240^{Q&As}

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QUESTION 1

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A linear model has the following characteristics:

1.

A dependent variable (y)

2.

One continuous variable (x1)

3.

One categorical (?1 with 3 levels) predictor variable and an interaction term (?1 by x1)

How many parameters, including the intercept, will be estimated for this model?

Enter your numeric answer in the space below.

Correct Answer: 7

Section: (none)

QUESTION 2

Which SAS program will divide the original data set into 60% training and 40% validation data sets, stratified by county?

```
C A. proc surveyselect data=SASUSER.DATABASE samprate=0.6 out=sample;
        strata county;
    run;


C B. proc sort data=SASUSER.DATABASE;
        by county;
    run;
    proc surveyselect data=SASUSER.DATABASE samprate=0.6 out=sample outall;
    run;


C C. proc sort data=SASUSER.DATABASE;
        by county;
    run;
    proc surveyselect data=SASUSER.DATABASE samprate =0.6 out=sample outall;
        strata county;
    run;


C D. proc sort data=SASUSER.DATABASE;
        by county;
    run;
    proc surveyselect data=SASUSER.DATABASE samprate =0.6  out=sample;
        strata county;
    run;
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

QUESTION 3

An analyst generates a model using the LOGISTIC procedure. They are now interested in getting the sensitivity and specificity statistics on a validation data set for a variety of cutoff values. Which statement and option combination will generate these statistics?

A. Score data=valid1 out=roc;

B. Score data=valid1 outroc=roc;

C. mode1 resp(event= \\'1\\') = gender region/outroc=roc;

D. mode1 resp(event"1") = gender region/ out=roc;

Correct Answer: B

QUESTION 4

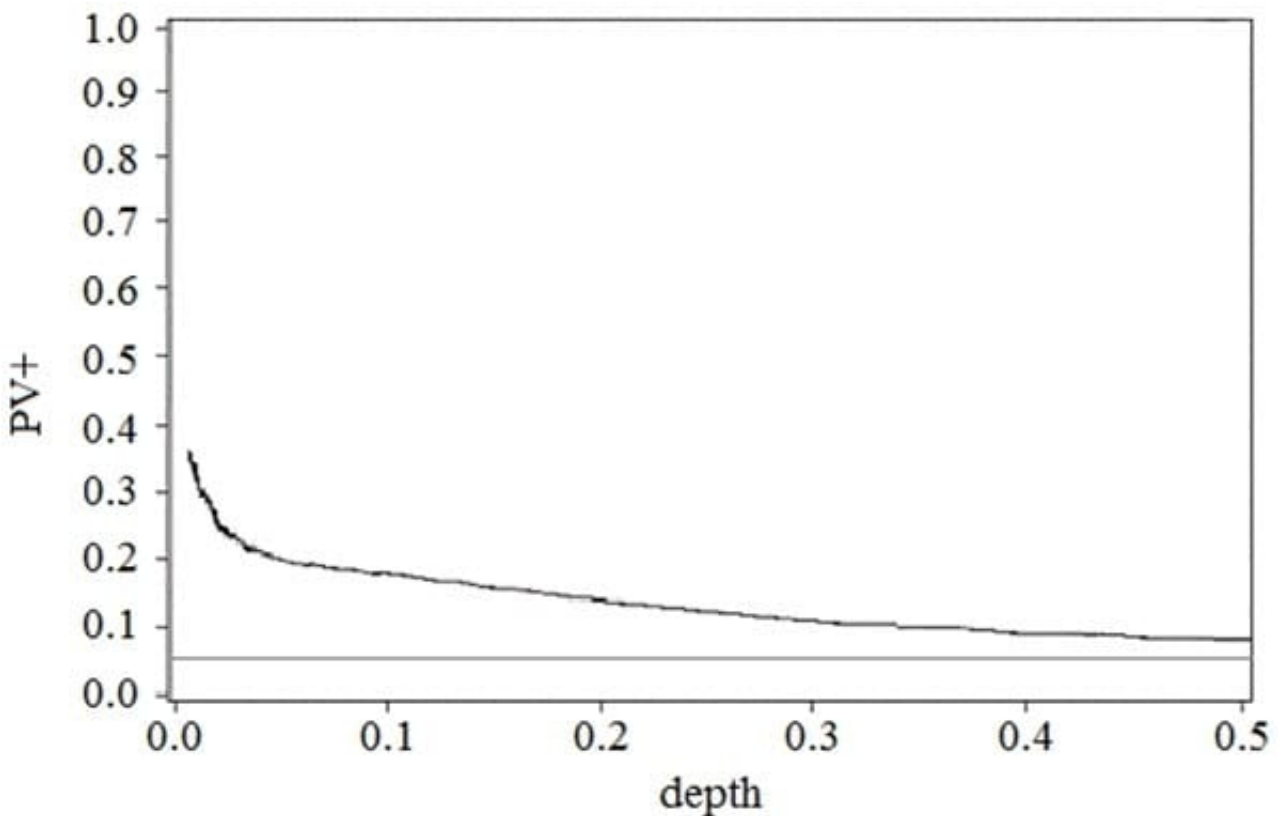What does the Pearson product moment correlation coefficient measure?

A. nonlinear and nonmonotonic association between two variables

B. linear and monotonic association between two variables

C. linear and nonmonotonic association between two variables

D. nonlinear and monotonic association between two variables

Correct Answer: B

Reference: http://d-scholarship.pitt.edu/8056/1/Chokns_etd2010.pdf

QUESTION 5

Refer to the exhibit:

On the Gains Chart, what is the correct interpretation of the horizontal reference line?

A. the proportion of cases that cannot be classified

B. the probability of a false negative

C. the probability of a false positive

D. the prior event rate

Correct Answer: B