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QUESTION 1

Which statistic is based on the maximum vertical distance between the primary event EDF and the secondary event EDF?

A. KS

B. SBC

C. Max EDF

D. Brier Score

Correct Answer: A

Reference: https://support.sas.com/documentation/onlinedoc/ets/132/severity.pdf

QUESTION 2

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 3

Refer to the REG procedure output:

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	31848	15924	13.42	<.0001
Error	97	115082	1186.40833		
Corrected Total	99	146930			

Root MSE	34.44428	R-Square	0.2168
Dependent Mean	606.38715	Adj R-Sq	0.2006
Coeff Var	5.68025		

An analyst has selected this model as a champion because it shows better model fit than a competing model with more predictors. Which statistic justifies this rationale?

A. R-Square

B. Coeff Var

C. Adj R-Sq

D. Error DF

Correct Answer: C

QUESTION 4

Refer to the REG procedure output:

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Standardized Estimate
Intercept	1	618.44051	40.03665	15.45	<.0001	0
overhead	1	4.99845	0.00157	3181.24	<.0001	0.99993
scrap	1	2.02667	0.71501	3.95	<.0001	0.00124
training	1	-50.95436	2.82069	-18.06	<.0001	-0.00568

The Intercept estimate is interpreted as:

A. The predicted value of the response when all the predictors are at their current values.

B. The predicted value of the response when all predictors are at their means.

C. The predicted value of the response when all predictors = 0.

D. The predicted value of the response when all predictors are at their minimum values.

Correct Answer: C

QUESTION 5

A researcher has several variables that could be possible predictors for the final model. There is interest in checking all 2-way interactions for possible entry to the model. The researcher has decided to use forward selection within PROC LOGISTIC. Fill in the missing code option that will ensure that all 2-way interactions will be considered for entry.

```
proc logistic data=finances;
    class gender branch;
    model default = gender branch income debt
                    gender|branch|income|debt @2
            / selection=forward slentry=0.01 <insert option here> ;
run;
```

A. start = 5

B. include = 4

C. include = 5

D. start = 4

Correct Answer: C