Congratulations! You passed!

Next Item

1 / 1 point

1. What do generalized linear models (GLMs) generalize?

- [x] The linear model, which encompasses the ANOVA

Correct

- [ ] The linear model, which is a subset of the ANOVA
- [ ] The general model, which supersedes the ANOVA
- [ ] The general model, which is a subset of the ANOVA
- [ ] None of the above.

1 / 1 point

2. Generalized linear models (GLMs) handle only between-subjects factors.

- [x] True

Correct

- [ ] False

1 / 1 point

3. Poisson regression is an example of a generalized linear model (GLM) with a Poisson distribution for the response and a log link function.

- [x] True

Correct

- [ ] False

1 / 1 point

4. Which of the following is not an example of a generalized linear model (GLM)?

- [ ] Poisson regression
- [ ] Binomial regression
- [ ] Gamma regression
- [ ] Ordinal logistic regression
- [x] All are GLMs.

Correct

1 / 1 point

5. The link function in a generalized linear model (GLM) most precisely relates what to what?

- [ ] Factors to each of the responses
- [x] Factors to the mean of the response

Correct

- [ ] Factors to the distribution of the response
- [ ] Factors to the error in the response
- [ ] None of the above.

1 / 1 point

6. Nominal logistic regression is also known as multinomial regression.

- [x] True

Correct

- [ ] False

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1 / 1 point

7. Multinomial regression with the cumulative logit link function is also known as:

- [ ] Nominal logistic regression
- [x] Ordinal logistic regression

Correct

- [ ] Poisson regression
- [ ] Binomial regression
- [ ] None of the above.

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1 / 1 point

8. Poisson regression is often appropriate for analyzing which kind of data?

- [ ] Error rates
- [ ] Success percentages
- [ ] Logarithmic distributions
- [x] Rare event counts

Correct

- [ ] None of the above.

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1 / 1 point

9. Exponential regression is a special case of which generalized linear model (GLM)?

- [ ] Poisson regression
- [ ] Binomial regression
- [ ] Ordinal logistic regression
- [x] Gamma regression

Correct

- [ ] None of the above.

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1 / 1 point

10. The generalized linear model (GLM) can be used in place of the linear model (LM) for between-subjects designs.

- [x] True

Correct

- [ ] False
