Question 1: Sometimes.

Question 2: Always.

Question 3: ~~Always~~ Sometimes.

Question 4: Always

Question 5: p-value for Brain weight: 0.1160

Response variable: rem_sleep.

Intercept: 3.1517

Categorical Explanatory: Vore.

Adjusted R-squared: 0.3013

Standard Error for slope on omnivores: 0.7421

t-statistic for Omnivores: -0.216.

Slope for omnivores: -0.1605.

Numeric Explanatory: ~~bra~~ brainwt.

Slope for brain weight: -2.3964

Question 6.

What is the difference between Adjusted R squared and Multiple R squared?

~~How do we test~~

How can the p-value of a reference level be known in a model with categorical explanatory variable?

What is the conclusion of the intercept if it is less than zero?

What happens to the confidence interval when the p-value is not significant?