Introduction to Binary Logistic Regression: Week 5 Program Transcript

[MUSIC PLAYING]

DR. ANNIE PEZALLA: Last week, you explored fairly simple logistic regression models using a crosstab analysis. This week, you start to fit models using multiple predictive variables that are continuous and categorical. As you learned with regression, you often need to construct models that move beyond bivariate area analysis to control for other variables. In this sense, logistic regression is very similar, except that you use a dichotomous outcome variable. And your outcome informs you about the odds of something happening or not happening.

The example question that Doctor Jones will illustrate for you this week is, how do the variables of gender an age predict the dichotomous variable of fear of asking for help, which is a dichotomous variable-- either yes or no. Logistic regression will allow you to answer such a question, where you can predict the odds that someone will say, yes, I am afraid of asking for help, based on a person's gender and age. Note that gender is a categorical variable and age is a continuous variable.

If you've ever heard the expression, what are the odds of that happening, then logistic regression will resonate with you in terms of its ability to inform you about those odds.

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