Week Five

Help Center

Interactions and Confounding

Last week, we introduced methods of fitting a model with several independent variables in order to generate adjusted odds ratios. This week we will continue to examine statistical adjustment through multivariable logistic regression, and then begin to consider interactions and confounding between the independent variables in a model.

By learning to identify and control for interactions and confounding, you will be able to calculate true, adjusted odds ratios for variables of interest in a multivariable logistic model.

Lectures

Please click on the links below to access the video lectures for this fifth week

- **Statistical Adjustment**
- **Adjusting Odds Ratios for Confounding**
- **Interaction and Confounding - Part 1**
- **Interaction and Confounding - Part 2**
- **Estimating Odds Ratios and Week Five Homework**

Lecture Material

Please click on the link below to download the slides of the fifth week

Week Five: "Interactions and Confounding"

Conversations

Please join in the conversations around regression analysis in our **community forums** area. You can ask and answer questions and discover insights and help for yourself and others as we come together to encourage each other in our exploration.

Key Terms

Only one term to define for this week:

- **Confounder**: an extraneous variable that correlates (directly or inversely) with both the dependent variable and the independent variable in a statistical model. If the confounding variable is not controlled for then the validity of the model is under question.

Homework

Please watch the following video, **Homework Highlights from Week Four**, to review the homework from last week.

Navigate to the **Week Five Homework** page to view and download the homework for this week.

Quiz

After you've gone through the materials for this week please be sure to visit the **quizzes area** to complete this week's quiz.

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