

April 26, 2010,
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POSTGRADUATE COURSE IN
LINEAR AND LOGISTIC REGRESSION
Day 5

Today we will consider a study on the possible effect of coffee drinking during pregnancy (here at 3rd trimester) on birth weight.

The data set, *coffee.dta*, contains information on 8000 pregnancies.

You can either choose birth weight (linear regression) or SGA (Small for Gestational Age, logistic regression) as the outcome.

Fit **two** models:

The first should focus on the possible effect of coffee drinking during pregnancy on birth weight/SGA.

The second should focus on the possible modification by smoking on the effect of coffee drinking during pregnancy on birth weight/SGA.

The model building should be based on the strategy you learned today.

Carefully go through every step of the strategy and write down your decisions.

Remember, that you might have to reiterate some of the steps.

After all this : write down the model you want to use and estimate the model.

Finally write a summary of your results and a conclusion on the question you are trying to answer