**Practical 1- Logistic Regression**

**Use the cad-cesme.sav data set. This data set contains a population based sample of people above the age of 18 with risk factors and information on coronary artery disease (CAD). We would like you to build a model to analyze the association of the risk factors to CAD.**

1. How do you choose the variables to be included in the model?
2. Are the categorical variables appropriate to fit the model ? Use ENTER to make a first model.
3. How many people are in the data set ? How many are used in your model?
4. Interpret the Hosmer & Lemeshow test?
5. How many patients are predicted correctly by the model?
6. Which variables are significantly associated with CAD?
7. What is the risk of CAD in hypercholesterolemia ?