ANACOVA in SPSS

- Create dummy variables that indicate which treatments go with which experimental units.

- Define the new independent variables \( xx_i, i = 2, \ldots, t \), where \( x \) is the covariate, \( t \) is the number of treatments and \( x_2, \ldots, x_t \) are the dummy variables. You may create these variables by clicking Transform → Compute Variable.

- Use Analyze → Regression → Linear three different times to obtain the necessary output. The three models have variables as follows:

  - Model 1: \( x, x_2, \ldots, x_t, xx_2, \ldots, xx_t \)
  - Model 2: \( x, x_2, \ldots, x_t \)
  - Model 3: \( x \)