meat1.sas: Explanation of code

Goals of code:

- Fitting a regression line
- Estimating mean Y at a specified X

The initial commands read the meat.txt file and create a new variable called logtime.

Fitting a regression line: `lm()`
The lm() function is the workhorse R model fitting function. When the X variable (right hand side of the `~` **is not** a factor, lm() fits a regression line.

The command `meat.lm <- lm(ph~logtime, data=meat)` will fit a regression model to predict y = ph from x = logtime, where both variables are in the data frame called meat. The result is stored in the meat.lm object.

If you print the object (meat.lm), you see what was done to create meat.lm and the estimated coefficients. Intercept is the intercept (β_0) and logtime is the regression slope (β_1).

The rest of the code will be discussed after break.