Note: Use just the first element in the vector of functions if you wish genfit to calculate the derivatives numerically. Choose "Optimized Levenberg-Marquardt" for the **genfit** method to use this option.

Define a vector of guesses.

$$guess := \begin{pmatrix} 2 \\ 2 \end{pmatrix}$$

Use **genfit** to find the parameters in the model function.

$$cg := genfit(X, Y, guess, f)$$

Here are the values for the coefficients of the power function.

$$cg = \begin{pmatrix} 2.746 \\ 1.487 \end{pmatrix}$$

Define a function using these coefficients

$$h1(x) := cg_0 \cdot x^{cg_1}$$