For the same data set: Use the jackknife method to calculate the bias-corrected estimator and its errorbar for

$$x(\beta) = \frac{\sum_i x_i \, \exp(\beta \, x_i)}{\sum_i \exp(\beta \, x_i)} \ .$$

Choose $0 \leq \beta \leq 10$ and plot 100 estimates of this function with their error bars. E-mail the plot to the instructor.