



Figure 5: The 4 models above were used to build on life expectancy with different amounts of parameters. The models had to be adjusted because they all contain more than one predictor variable, so the figures above are showing the correlation between life expectancy and the predictors. To determine if the predictions are good, the points in the models must fall along the diagonal axis of the scatter plot. The AIC values determine a goodness-of-fit measure for each model. In the 1st model, I used the following predictors: Alcohol, BMI, Hepatitis B, Thinness (10-19 years), Polio, & Schooling. In model 2, I used Alcohol, Hepatitis B, Thinness (10-19 years), Polio, & Schooling. In model 3, I used the following: Alcohol, Hepatitis B, Polio, & Schooling. Lastly, in model 4, I used Alcohol, Polio, & Schooling.