1a. Least Squares Estimates of the regression coefficients for each Model

Where B0 = intercept, B1 = rain, B2

Model 1: y = 23.55 + .77rain

Model 2: y = -5.01 +6.00rain -.23rain^2

Model 3: B0 = -252.96 B1 = .76 B2 = -0.23