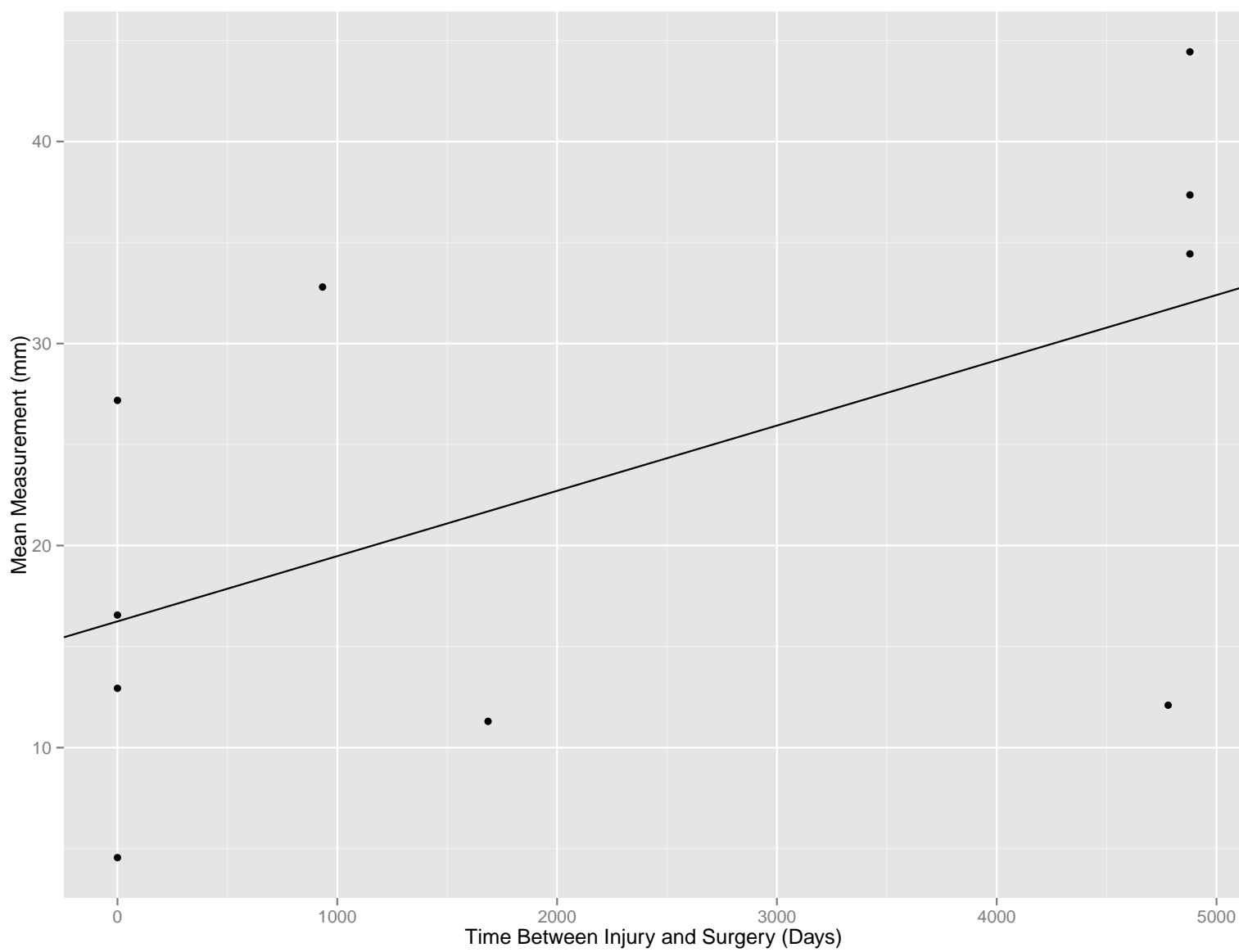Figure 1: The correlation coefficient = -0.62

Figure 2: The correlation coefficient = 0.56