Figure 1: Co-Integrated Stock Prices

This is a co-integrated pairs

$$z_t = x_t + \beta y_t + \alpha t + constant, \tag{1}$$

which passed both of the Engle-Granger co-integration test or Johansen co-integration test. From the figure, we can observe that most of the time, the two stocks move together, but deviations can be seen from time to time, which lead trading opportunities. The co-integration vector $[1, -\beta]$ gives the trading strategy.