## Selection Sort – Ascending Initialization

- The 11 data points indicate an O(n²)
  relationship between list length and sorting
  time. The quadratic trendline fits the data with
  an R² value of .9979.
- Prediction for the time required for Selection Sort to sort an ascending (pre-sorted) list of length 10,000,000: y(10000000)=59994.8715 seconds or 16.67 hours

