Bubble Sort – Random 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 .9999.
- Prediction for the time required for Insertion
 Sort to sort a randomly initialized list of length
 10,000,000: y(10000000)=99970.2137 seconds
 or 27.77 hours

