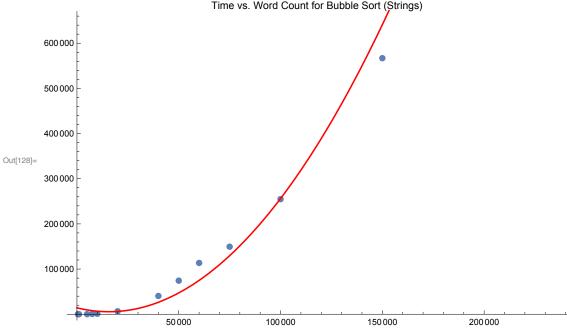
```
In[122]:= (* processing selection sort times *)
      data = Import["/Users/john/structures/assignment2/bubble.csv", "CSV"];
     wordCounts = data[[All, 1]];
     comparisons = data[[All, 2]];
      swaps = data[[All, 3]];
     times = data[[All, 4]];
In[127]:=
     time[words ] = Fit[Transpose[{wordCounts, times}], {1, words, words^2}, words]
      Show[ListPlot[Transpose[{wordCounts, times}]],
       Plot[time[words], {words, 0, 200000}, PlotStyle → Red],
       PlotLabel → "Time vs. Word Count for Bubble Sort (Strings)"]
      comparisons[words_] =
       Fit[Transpose[{wordCounts, comparisons}], {1, words}, words]
      Show[ListPlot[Transpose[{wordCounts, comparisons}]],
       Plot[comparisons[words], {words, 0, 200000}, PlotStyle → Red],
       PlotLabel → "Comparisons vs. Word Count for Bubble Sort (Strings)"]
Out[127] = 14164.6 - 1.1004 words + 0.0000351943 words^2
                             Time vs. Word Count for Bubble Sort (Strings)
     600 000
      500 000
```



Set::write: Tag List in {499500, 499950000, 11249925000, 199990000, 27820984555, 799980000, 124750, 12497500, 1249975000, 1799970000, 28121250, 2812462500}[words\_] is Protected. ≫

Out[129]=  $-2.26477 \times 10^9 + 106594$ . words



