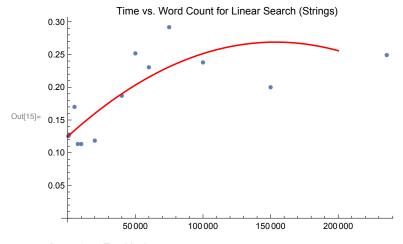
```
In[5]:= (* processing selection sort times *)
data =
    Import["/Users/john/structures/assignment2/csv_outputs/linear.csv", "CSV"];
wordCounts = data[[All, 1]];
comparisons = data[[All, 2]];
swaps = data[[All, 3]];
times = data[[All, 4]];
```

```
In[14]:=
```

```
time[words_] = Fit[Transpose[{wordCounts, times}], {1, words, words^2}, words]
Show[ListPlot[Transpose[{wordCounts, times}]],
 {\tt Plot[time[words], \{words, 0, 200000\}, PlotStyle \rightarrow Red],}
 PlotLabel → "Time vs. Word Count for Linear Search (Strings)"]
comparisons[words_] =
 Fit[Transpose[{wordCounts, comparisons}], {1, words}, words]
Show[ListPlot[Transpose[{wordCounts, comparisons}]],
 {\tt Plot[comparisons[words], \{words, 0, 200000\}, PlotStyle \rightarrow Red],}
 PlotLabel → "Comparisons vs. Word Count for Linear Search (Strings)"]
```

 $\texttt{Out[14]= 0.124765 + 1.87601 \times 10^{-6} words - 6.10365 \times 10^{-12} words^2}$



Set::write: Tag List in {8718, 120463, 1536458, 2392228, 260969, 3914910, 561860, 3858, 55237, 718243, 877144, 87195, 1121154}[words_] is Protected. ≫

