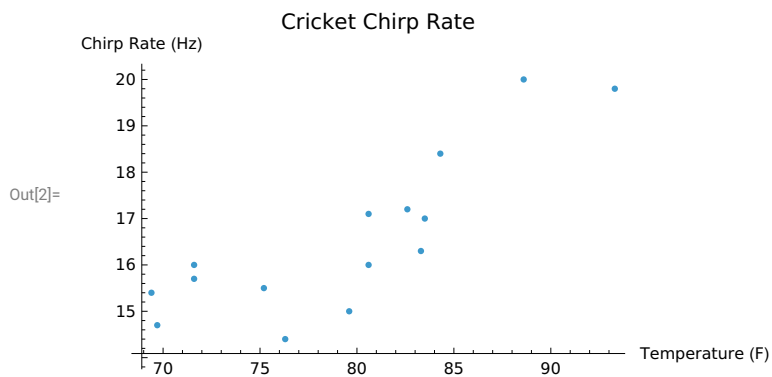


```
In[1]:= crickets = Import["http://www1.lasalle.edu/~blum/c152wks/Crickets.csv", HeaderLines -> 1]
```

```
Out[1]:= {{88.6, 20.}, {71.6, 16.}, {93.3, 19.8}, {84.3, 18.4}, {80.6, 17.1},  
          {75.2, 15.5}, {69.7, 14.7}, {71.6, 15.7}, {69.4, 15.4}, {83.3, 16.3},  
          {79.6, 15.}, {82.6, 17.2}, {80.6, 16.}, {83.5, 17.}, {76.3, 14.4}}
```

```
In[2]:= cricket_listplot = ListPlot[crickets, PlotLabel -> "Cricket Chirp Rate",  
                                   AxesLabel -> {"Temperature (F)", "Chirp Rate (Hz)"}]
```



```
In[4]:= cricketFit1 = LinearModelFit[crickets, {x}, x]
```

```
Out[4]= FittedModel[0.459 + 0.203 x]
```

```
In[5]:= cricketFit2 = LinearModelFit[crickets, {x}, x, IncludeConstantBasis -> False]
```

```
Out[5]= FittedModel[0.209 x]
```

```
In[6]:= cricketFit1["RSquared"]
```

```
Out[6]= 0.692295
```

```
In[7]:= cricketFit2["RSquared"]
```

```
Out[7]= 0.996955
```

```
In[8]:= cricketFit1["ParameterTable"]
```

```
Out[8]=
```

	Estimate	Standard Error	t-Statistic	P-Value
1	0.459315	2.9892	0.153658	0.880239
x	0.203	0.0375358	5.40816	0.000119461