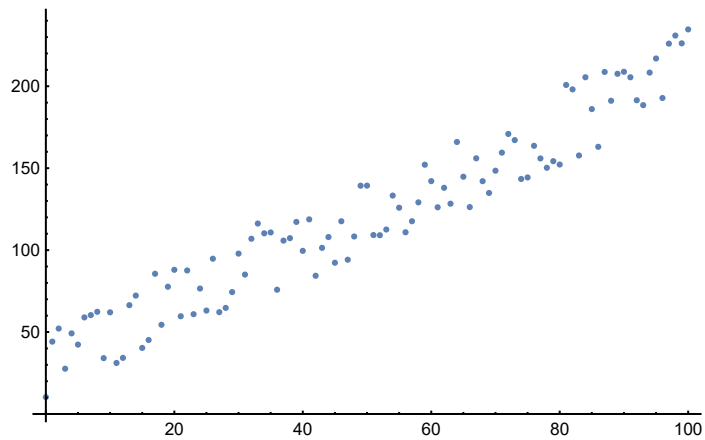```
In[ ]:= points = Table[{i, i * 9 / 5.0 + 32 + RandomReal[] * 50 - 25}, {i, 0, 100}];
```

```
In[ ]:= ListPlot[points]
```

Out[ ]=


```
In[ ]:= X = Table[{1.0, p[[1]]}, {p, points}];
```

```
In[ ]:= Y = Table[{p[[2]]}, {p, points}];
```

```
In[ ]:= W = (Inverse[Transpose[X].X].Transpose[X]).Y
```

Out[ ]=

{{31.4271}, {1.79569}}

```
In[ ]:= Show[
        ListPlot[points],
        Plot[W[[1]] + W[[2]] * x, {x, 0, 100}, PlotStyle → Red]
       ]
```

Out[ ]=