```
25, 25, 25, 30, 33, 33, 35, 35, 35, 36, 40, 45, 46, 52, 70}
25, 25, 30, 33, 33, 35, 35, 35, 36, 40, 45, 46, 52, 70}
ln[18]:= y = Partition[x, 3]
Out[18]= \{\{3, 15, 16\}, \{16, 19, 20\}, \{20, 21, 22\}, \{22, 25, 25\},
      \{25, 25, 30\}, \{33, 33, 35\}, \{35, 35, 35\}, \{36, 40, 45\}, \{46, 52, 70\}\}
ln[35] = z = Map[Mean, y] // N
Out[35]= {11.3333, 18.3333, 21., 24., 26.6667, 33.6667, 35., 40.3333, 56.}
In[61]:= f1 := Transpose[{Range[Length[x]], x}]
     f2 = Transpose[{Range[Length[z]] * 3, z}]
Out[62] = \{ \{3, 11.3333\}, \{6, 18.3333\}, \{9, 21.\}, \{12, 24.\}, \}
      {15, 26.6667}, {18, 33.6667}, {21, 35.}, {24, 40.3333}, {27, 56.}}
In[60]:= ListPlot[{f1, f2}]
     70
     60
     50
     40
Out[60]=
     30
     20
     10
     This method of binning does a great job at maintaining the curve with considerably less points.
```

```
ln[65] = Quantile[x, {.2, .4, .6, .8, 1}]
Out[65]= \{20, 25, 33, 36, 70\}
In[64]:= InterquartileRange[x] // N
ln[67] = 1 = 14.75
Out[67]= 14.75
In[68]:= Outlier = 1.5 * 1
Out[68]= 22.125
```

Out[70]=
$$58.125$$

Out[71]=
$$2.875$$

It seems that 70 is an outlier.

$$ln[78]:=$$
 minmax = $\frac{35-13}{70-13}$ * (1-0) + 0 // N

Out[78]= **0.385965**

$$In[79]:= zscore = \frac{35 - Mean[x]}{StandardDeviation[x]} // N$$

$$ln[81]:=$$
 decimal = $\frac{35}{100}$ // N