# Lead IQ data set description

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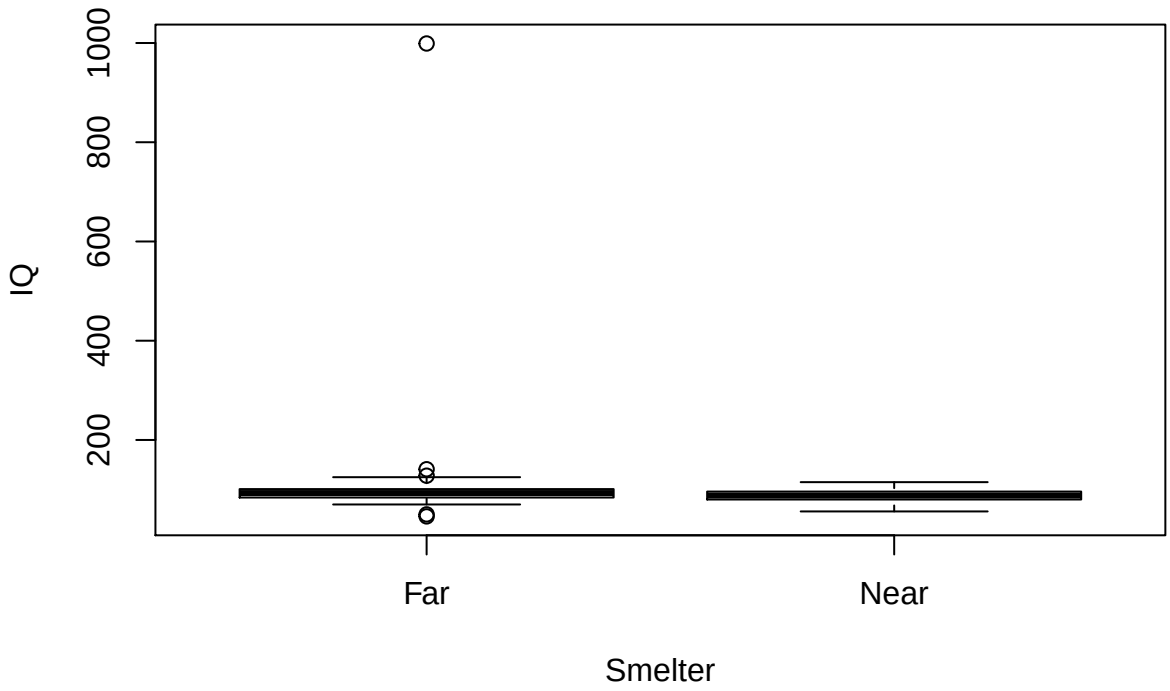
```
library(knitr)
dataset=read.csv('C:/UCHealth/FALL 2022/BIOS 6621 Statistical Consulting I/Week 6/lead-iq-01.csv')
boxplot(IQ ~ Smelter, data = dataset)
```




```
kable(table(dataset$IQ, dataset$Smelter), format = "html")
```

Far

Near

46

1

0

50
1
0
56
0
1
70
1
0
71
0
1
72
2
0
73
0
1
74
0
1
75
1
2
76
3
3
77
1
2
78
1
1
79
2
0

80
2
4
82
1
1
83
1
1
84
0
1
85
3
4
86
3
2
87
1
1
88
1
5
89
2
2
90
1
0
91
1
3
92
3
1

93
2
1
94
3
1
95
0
1
96
4
4
97
3
0
98
1
1
99
2
1
100
2
0
101
3
1
102
1
0
104
2
2
105
1
1

106
0
1
107
2
2
108
1
0
111
1
1
112
0
1
114
0
1
115
1
1
118
1
0
120
1
0
125
1
0
128
1
0
141
1
0

999

1

0

```
mean(dataset$IQ)
```

```
## [1] 98.33871
```

The boxplot shows the IQ levels by location status, where we can see that there is an outlier of the IQ score in the Far group. The table displays the frequency of the IQ levels by location status from the dataset.