Lead IQ data set description

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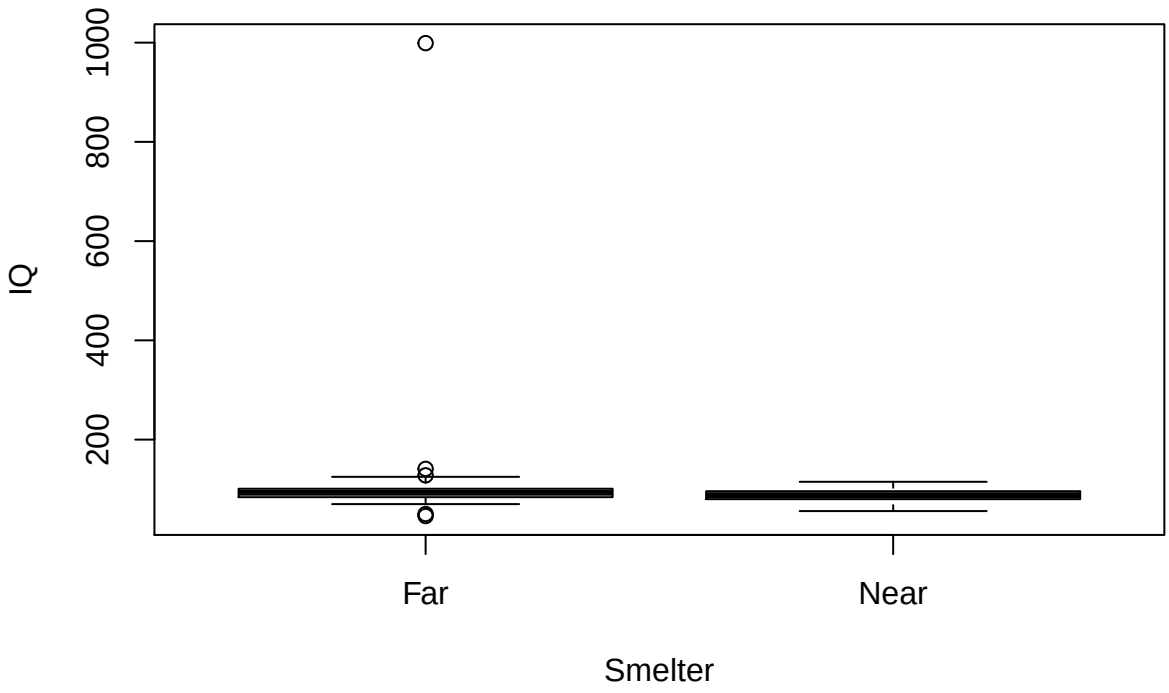
```
library(knitr)
dataset=read.csv('C:/UCHealth/FALL 2022/BIOS 6621 Statistical Consulting I/Week 6/lead-iq-01.csv')
boxplot(IQ ~ Smelter, data = dataset)
```




```
kable(table(dataset$IQ, dataset$Smelter))
```

	Far	Near
46	1	0
50	1	0
56	0	1
70	1	0

	Far	Near
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.