Lead IQ data set description

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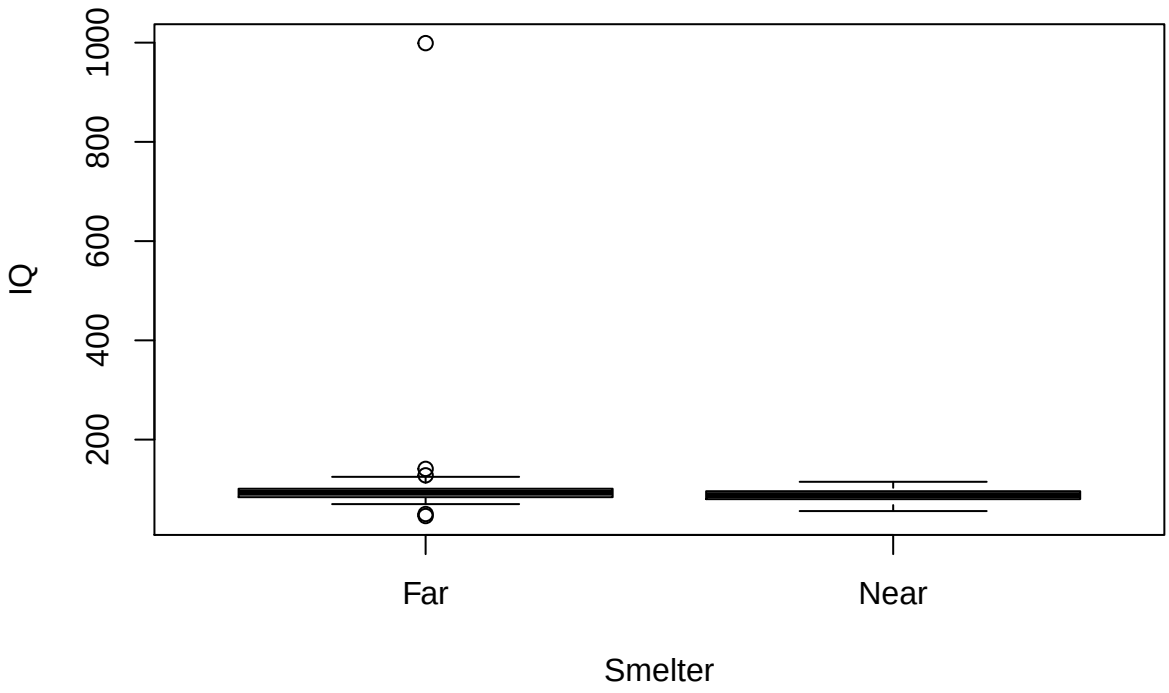
```
library(knitr)
dataset=read.csv('C:/UCHealth/FALL 2022/BIOS 6621 Statistical Consulting I/Week 6/lead-iq-01.csv')
boxplot(IQ ~ Smelter, data = dataset)
```




```
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, however, we can see there is an outlier of IQ score in the

Far group. The table displays the frequency of the IQ levels by location status from the dataset.