Imerquarile Range (IAR)

a) the interquartile range. comprae the two.

b.) Any outliers in oftenen set.

the fire number summary for the day and

Minimum Q, Median Q3 horn Maximum

Day 32 56 74.5 82.5 99

Wight 38 81 89 98

Day:

$$10R = 82.5 - 56 = 86.5 , 9 = 301$$

$$10R = 82.5 - 56 = 86.5 , 9 = 301$$

(1.5)(08) = (1.5)(26.5) = 39.75 (1.5)(08) = (1.5)(26.5) $301^{2} = -1.5$ $301^{2} = -1.5$

tolota

 $Q_1' - (1.5)(1QR) = 56 - 39.75 = 16.85$

 $Q_3 + (1.5)(10R) = 82.5 + (4.5)39.75 = 122.25 Monnos$

In Day there is no lesser builler and

greates outlier.

(Any values below 16.25 or above 1222.250

aspuld be considered outless)

Night

IOR = 89-78 = 11

(1.5)(10R) = (1.5)(11) = 16.5

Q,-(1.5)(10R) = 78-(1.5)(11) = 78-16.5 = 61.5

Q3+(1.5)(10R) = 89+16.5 = 70.5 105.5

In Neght,

losser outlier es present.

: 25.5 is an outlier.

lany values below 61.5 or above 105.5 would be considered outhers.