```
/* Khoong Wei Hao   A0140425U   ST2137  Tutorial 3 Q2 T03 */

* Q2a;
data q2a;
    infile '~/wip.txt' firstobs=2;
    input time plant;
run;

proc univariate data=q2a;
    class plant;
    var time;

* From the descriptive statistics outputs, we have for Plant 1: mean=9.382,
median=8.515, Q1=7.395, Q3=11.170, minimum=4.42, maximum=21.62, range=17.20,
IQR=3.775, variance=15.9812, standard deviation=3.9977.

For Plant 2, mean=11.3535, median=11.96, Q1=7.71, Q3=13.98, minimum=2.33,
maximum=27.75, range=23.42, IQR=6.27, variance=26.2774, standard deviation=5.1262.;

* Q2b;
proc univariate data=q2a;
    class plant;
    var time;
    histogram time/ midpoints=1 to 25 by 2;

proc boxplot data=q2a;
    plot time*plant;

* Q2c;
* Yes, there are differences. Plant 1 has a lower mean and median time than Plant 2.
In particular, the spread of the data for Plant 1 is also lower than that of Plant 2,
and also its interquartile range.
```