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* KHOONG WEI HAO ST2137 Tutorial 5 T03;
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* Q4(a);
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```
data t5q4;  
    infile "~/data/furniture.txt" firstobs=2;  
    input days;
```

```
proc univariate data=t5q4 mu0=20;  
    var days;  
run;
```

```
* Ans: Since  $H_0: \mu = 20$  against  $H_1: \mu > 20$ , sign test:  $p\text{-value} = 0.0038/2 = 0.0019$ , signed rank test:  
 $p\text{-value} = 0.0012/2 = 0.0006^*$ , we reject  $H_0$ ;
```