

MINITAB Version of Wednesdays R operations (Histograms, SDs, etc)

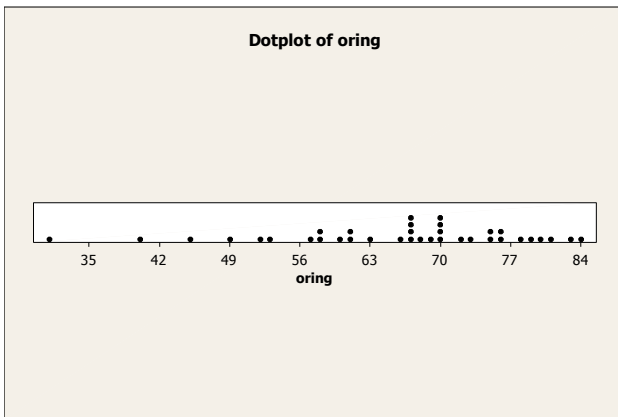
MTB > print oring

Data Display

```
oring
 84  49  61  40  83  67  45  66  70  69  80  58  68  60  67
 72  73  70  57  63  70  78  52  67  53  67  75  61  70  81
 76  79  75  76  58  31
```

MTB > dotplot oring

Dotplot of oring



MTB > stem oring

Stem-and-Leaf Display: oring

Stem-and-leaf of oring N = 36
Leaf Unit = 1.0

```

1  3  1
1  3
2  4  0
4  4  59
6  5  23
9  5  788
13 6  0113
(7) 6  6777789
16 7  000023
10 7  556689
4  8  0134
```

```
MTB > stem oring;
SUBC> increment 5.
```

Stem-and-Leaf Display: oring

```
Stem-and-leaf of oring N = 36
Leaf Unit = 1.0
```

```

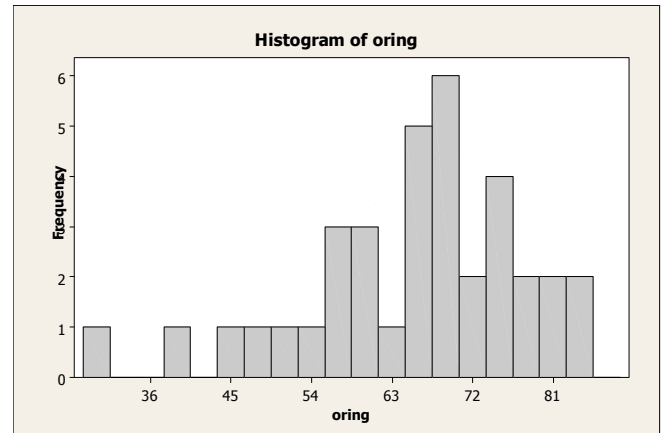
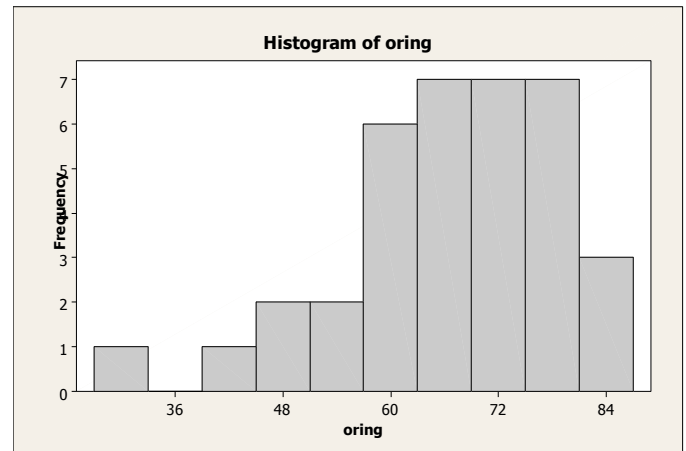
1  3  1
1  3
2  4  0
4  4  59
6  5  23
9  5  788
13 6  0113
(7) 6  6777789
16 7  000023
10 7  556689
4  8  0134
```

```
MTB > hist oring
```

```
MTB > hist oring;
SUBC> nintervals 20.
```

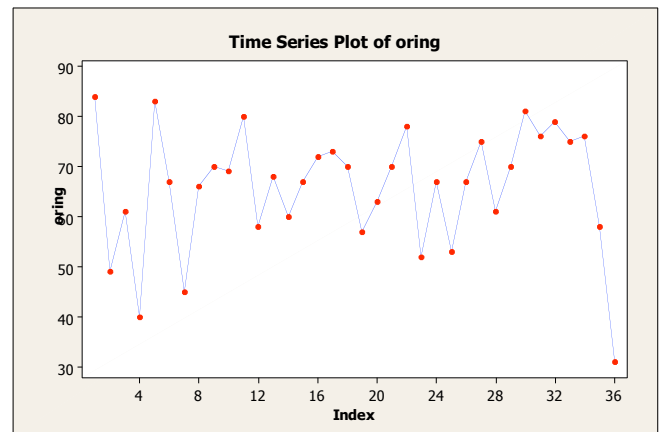
Histogram of oring

Histogram of oring



```
MTB > tsplot oring
```

Time Series Plot of oring



```
MTB > mean(oring)
```

```
* ERROR * 0 is too few arguments.
```

```
MTB > mean oring
```

```
* ERROR * Unrecognized variable name.  
* Possible cause: extra text.
```

```
MTB > mean temp
```

Mean of temp

```
Mean of temp = 65.8611
```

```
MTB > name c1 'oring'
```

```
MTB > mean oring
```

Mean of oring

```
Mean of oring = 65.8611
```

```
MTB > sd oring
```

```
* ERROR * Unknown MINITAB command: SD
```

```
MTB > stdev oring
```

Standard Deviation of oring

```
Standard deviation of oring = 12.1588
```

```
MTB > max oring
```

Maximum of oring

```
Maximum of oring = 84
```

```
MTB > min oring
```

Minimum of oring

```
Minimum of oring = 31
```

```
MTB > help(quartiles)
```

```
MTB > q1 oring
```

```
* ERROR * Unknown MINITAB command: Q
```

```
MTB > desc oring
```

Descriptive Statistics: oring

Variable	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
oring	36	0	65.86	2.03	12.16	31.00	58.50	67.50	75.00	84.00

```
MTB > iqr oring
```

* ERROR * Unknown MINITAB command: IQR

MTB > help(iqr)

MTB > help(percentile)

MTB > dotplot oring

Dotplot of oring

MTB > boxplot oring

Boxplot o

```
MTB > read c2
DATA> 2
DATA> 12
DATA> 7
DATA> 8
DATA> 2
DATA> 9
DATA> 0
DATA> 3
DATA> 7
DATA> 5
DATA> 2
DATA> end
11 rows read.
```

```
MTB > print choice app
```

Data Display

Row	choice	app
1	2	1
2	12	2
3	7	3
4	8	4
5	2	5
6	9	6
7	0	7
8	3	8
9	7	9
10	5	10
11	2	11

```
MTB > Chart Mean( choice ) * c3;
SUBC> Bar.
```

