

# Report Test 1

- 0 Report Report Test 1
- 1 Import File:/sdcard/bluetooth/MAR2014\_Visitors.csv Column names:true
- 2 GridOut Columns:0 2
- 3 T-Test Samples:2 3 Mean: Alpha: Type: two-Sample t-test paired, two-sided
- 4 T-Test Samples:1 2 Mean: Alpha: Type: two-Sample t-test paired, two-sided
- 5 T-Test Samples:1 Mean: 47 Alpha: Type: one-sample t-test to a reference mean
- 6 XYPlot Columns:1 2 axis: 10 - 70 / 10 - 70
- 7 Histogram Column:1 range: 0 - 80 intervals: 10 right open
- 8 Histogram Column:2 range: 0 - 80 intervals: 10 right open
- 9 Histogram Column:3 range: 0 - 80 intervals: 10 right open

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Row	date	visitor once
0	803.2014	30.0
1	903.2014	47.0
2	1003.2014	56.0
3	1103.2014	56.0
4	1203.2014	51.0
5	1303.2014	43.0
6	1403.2014	37.0
7	1503.2014	30.0
8	1603.2014	30.0
9	1703.2014	51.0
10	1803.2014	41.0
11	1903.2014	36.0
12	2003.2014	37.0
13	2103.2014	42.0
14	2203.2014	49.0
15	2303.2014	49.0
16	2403.2014	40.0
17	2503.2014	40.0

Row	date	visitor once
18	2603.2014	38.0
19	2703.2014	26.0
20	2803.2014	40.0
21	2903.2014	34.0
22	3003.2014	40.0
23	3103.2014	46.0

## Student's T-Test

### two-Sample t-test paired, two-sided

Column of sample 1: 2 visitor once

sample size: 24  
minimum: 26.0  
maximum: 56.0  
median: 40.0  
mean: 41.20833  
Std.Dev.: 8.20911  
Variance: 67.38949

Column of sample 2: 3 new visitor

sample size: 24  
minimum: 21.0  
maximum: 53.0  
median: 33.0  
mean: 35.375  
Std.Dev.: 8.66684  
Variance: 75.11413

Performs a paired t-test evaluating the null hypothesis that the mean of the paired differences between sample1 and sample2 is 0 in favor of the two-sided alternative that the mean paired difference is not equal to 0, with significance level alpha.

significance level alpha: 0.05

p value: 0.0

null Hypothesis is: true

if true, the null hypothesis can be rejected with confidence 1-alpha 0.95

To perform a 1-sided test, use  $\alpha * 2$

## Student's T-Test

### two-Sample t-test paired, two-sided

Column of sample 1: 1 visits

sample size: 24  
minimum: 28.0  
maximum: 108.0  
median: 45.0  
mean: 46.95833  
Std.Dev.: 15.50169  
Variance: 240.30254

Column of sample 2: 2 visitor once

sample size: 24  
minimum: 26.0  
maximum: 56.0  
median: 40.0  
mean: 41.20833  
Std.Dev.: 8.20911  
Variance: 67.38949

Performs a paired t-test evaluating the null hypothesis that the mean of the paired differences between sample1 and sample2 is 0 in favor of the two-sided alternative that the mean paired difference is not equal to 0, with significance level alpha.

significance level alpha: 0.05  
p value: 0.04656  
null Hypothesis is: true  
if true, the null hypothesis can be rejected with confidence 1-alpha 0.95

To perform a 1-sided test, use  $\alpha * 2$

## Student's T-Test

### one-sample t-test to a reference mean

Column of sample: 1 visits

sample size: 24  
minimum: 28.0  
maximum: 108.0  
median: 45.0  
mean: 46.95833  
Std.Dev.: 15.50169  
Variance: 240.30254

t statistic for comparing the mean of the sample to the reference mean.

reference mean: 47.0  
significance level alpha: 0.05  
p value: 0.98961

the null hypothesis that the mean of the sample population is equals  
to the reference mean is: false  
if true, the null hypothesis can be rejected with confidence 1-alpha 0.95

To perform a 1-sided test, use  $\alpha * 2$



Column: 1 visits

Minimum: 28.0

Maximum: 108.0

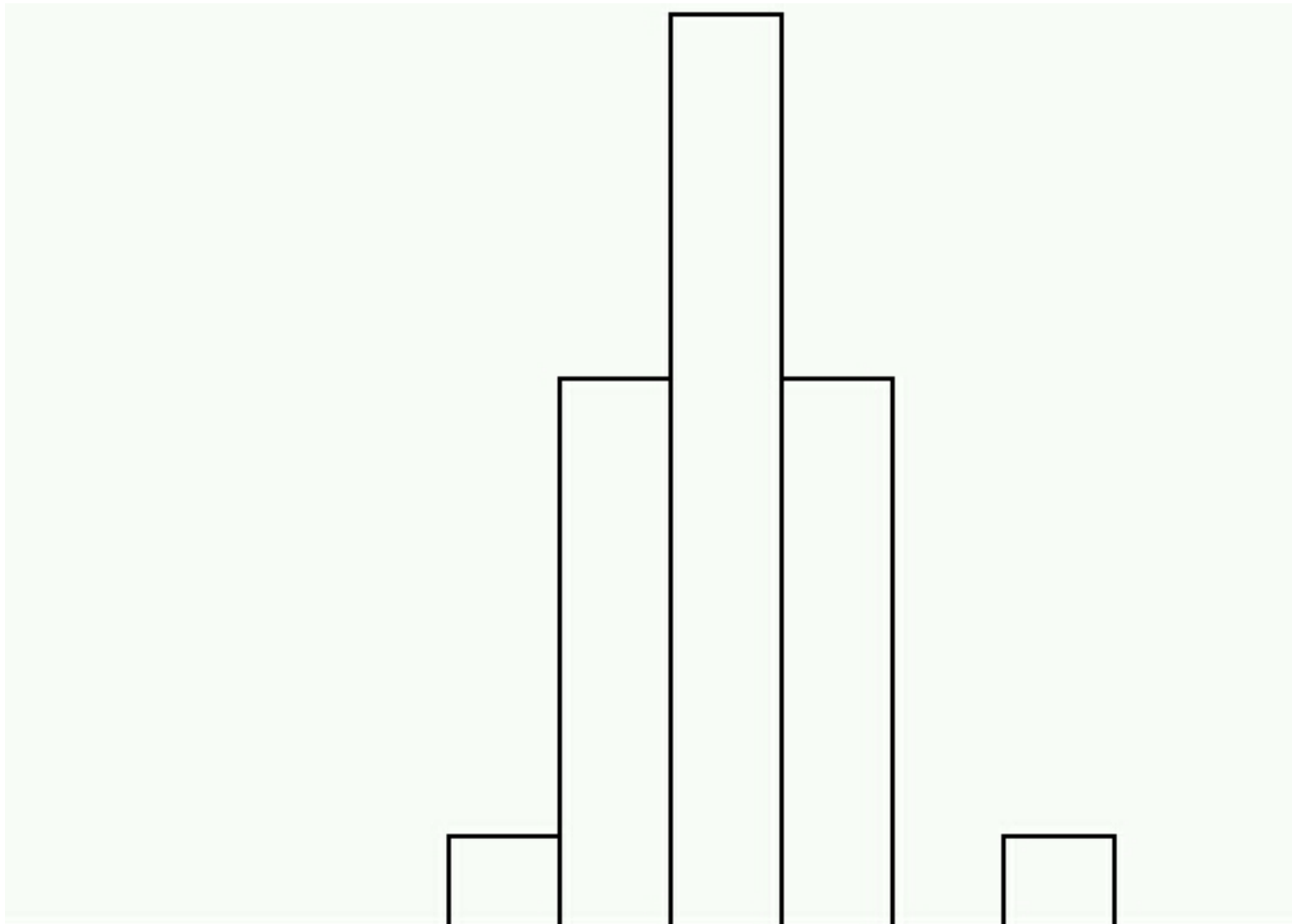
Mean: 46.95833

Median: 45.0

Standard dev.: 15.50169

Number of values: 24

Classes	Bounds	frequencies		cumulative frequencies	
0	0.0 <=	0	0.0	0	0.0
1	10.0 <=	0	0.0	0	0.0
2	20.0 <=	0	0.0	0	0.0
3	30.0 <=	1	0.04167	1	0.04167
4	40.0 <=	6	0.25	7	0.29167
5	50.0 <=	10	0.41667	17	0.70833
6	60.0 <=	6	0.25	23	0.95833
7	70.0 <=	0	0.0	23	0.95833
8	80.0 <=	1	0.04167	24	1.0





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Column: 2 visitor once

Minimum: 26.0

Maximum: 56.0

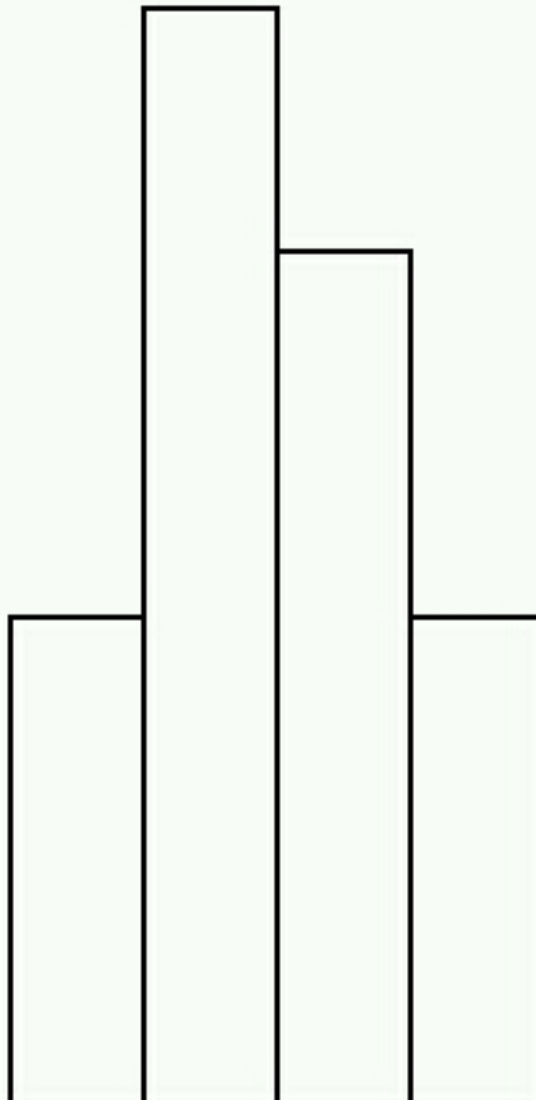
Mean: 41.20833

Median: 40.0

Standard dev.: 8.20911

Number of values: 24

Classes	Bounds	frequencies		cumulative frequencies	
0	0.0 <=	0	0.0	0	0.0
1	10.0 <=	0	0.0	0	0.0
2	20.0 <=	0	0.0	0	0.0
3	30.0 <=	4	0.16667	4	0.16667
4	40.0 <=	9	0.375	13	0.54167
5	50.0 <=	7	0.29167	20	0.83333
6	60.0 <=	4	0.16667	24	1.0
7	70.0 <=	0	0.0	24	1.0
8	80.0 <=	0	0.0	24	1.0



Column: 3 new visitor

Minimum: 21.0

Maximum: 53.0

Mean: 35.375

Median: 33.0

Standard dev.: 8.66684

Number of values: 24

Classes	Bounds	frequencies		cumulative frequencies	
0	0.0 <=	0	0.0	0	0.0
1	10.0 <=	0	0.0	0	0.0
2	20.0 <=	0	0.0	0	0.0
3	30.0 <=	7	0.29167	7	0.29167
4	40.0 <=	11	0.45833	18	0.75
5	50.0 <=	4	0.16667	22	0.91667
6	60.0 <=	2	0.08333	24	1.0
7	70.0 <=	0	0.0	24	1.0
8	80.0 <=	0	0.0	24	1.0

