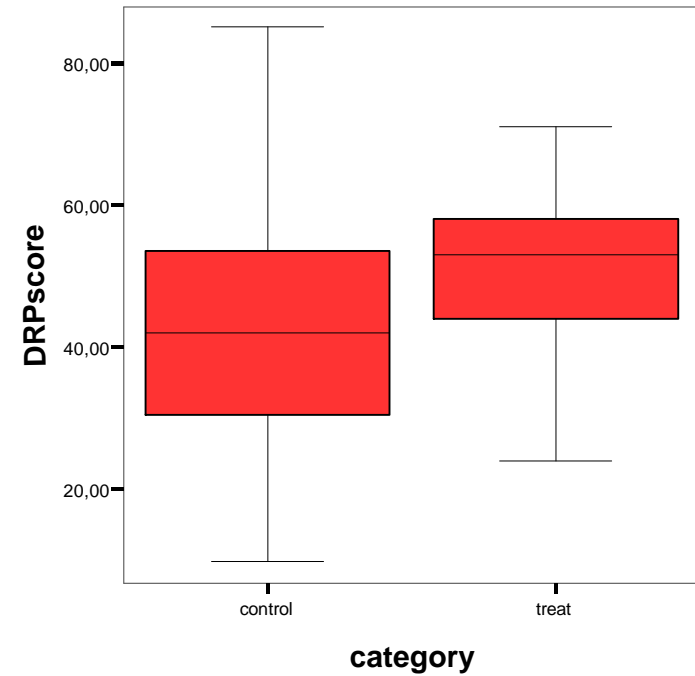
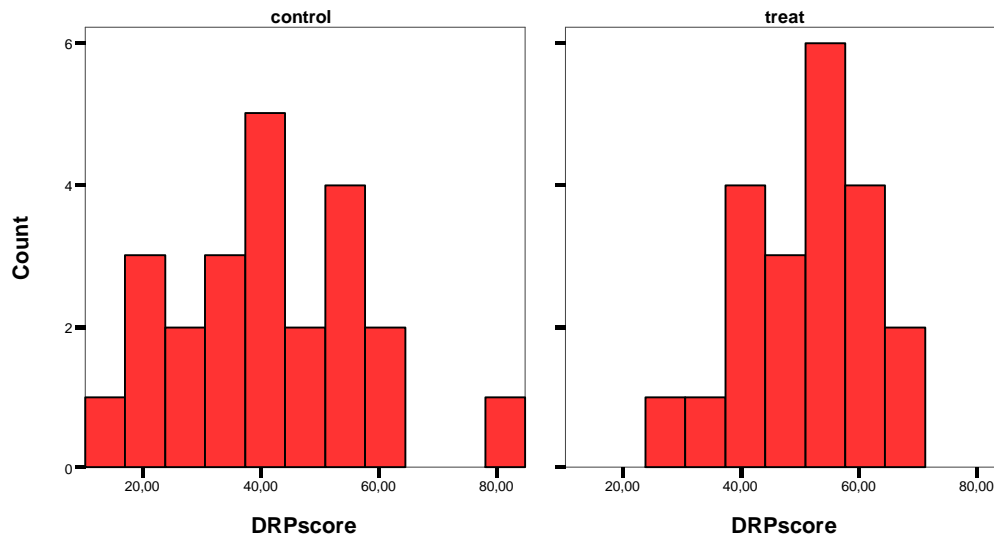


Example 8

Analyze the distribution of sample data (DRP scores for different groups)



Group Statistics

	category	N	Mean	Std. Deviation	Std. Error Mean
DRPscore	treat	21	51,4762	11,00736	2,40200
	control	23	41,5217	17,14873	3,57576

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
DRPscore	Equal variances assumed	2,362	,132	2,267	42	,029	9,95445	4,39189	1,09125	18,81765
	Equal variances not assumed			2,311	37,855	,026	9,95445	4,30763	1,23302	18,67588

Example 9

```

daydiff Stem-and-Leaf Plot
Frequency   Stem & Leaf
  1,00     -0 . 0
  2,00      0 . 01
   ,00      0 .
   ,00      1 .
  1,00      1 . 6
  3,00      2 . 023
  1,00      2 . 6
  3,00      3 . 001
  2,00      3 . 57
  2,00      4 . 34
    
```

```

Stem width:    1,00
Each leaf:     1 case(s)
    
```

Paired Samples Statistics

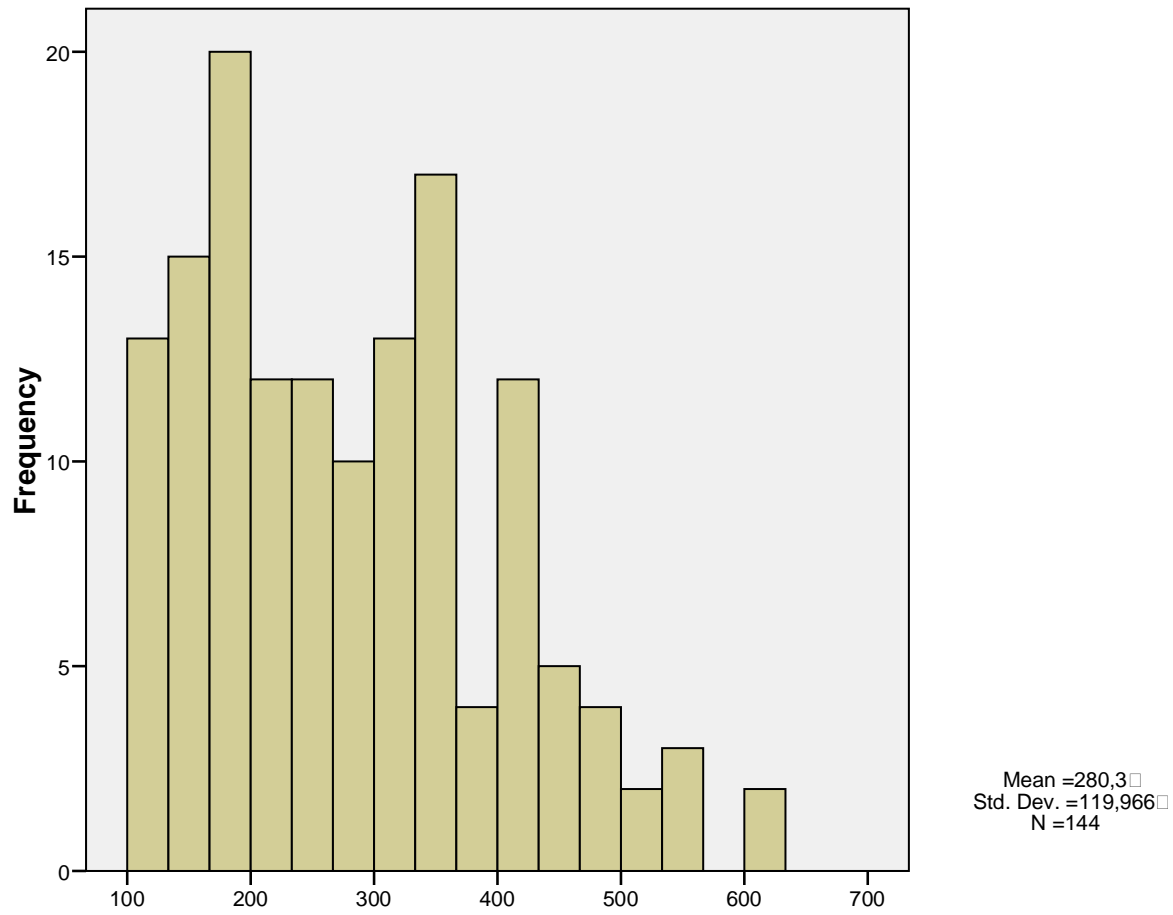
	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 moondays	3,0220	15	1,49877	,38698
1 otherdays	,5893	15	,44490	,11487

Paired Samples Test

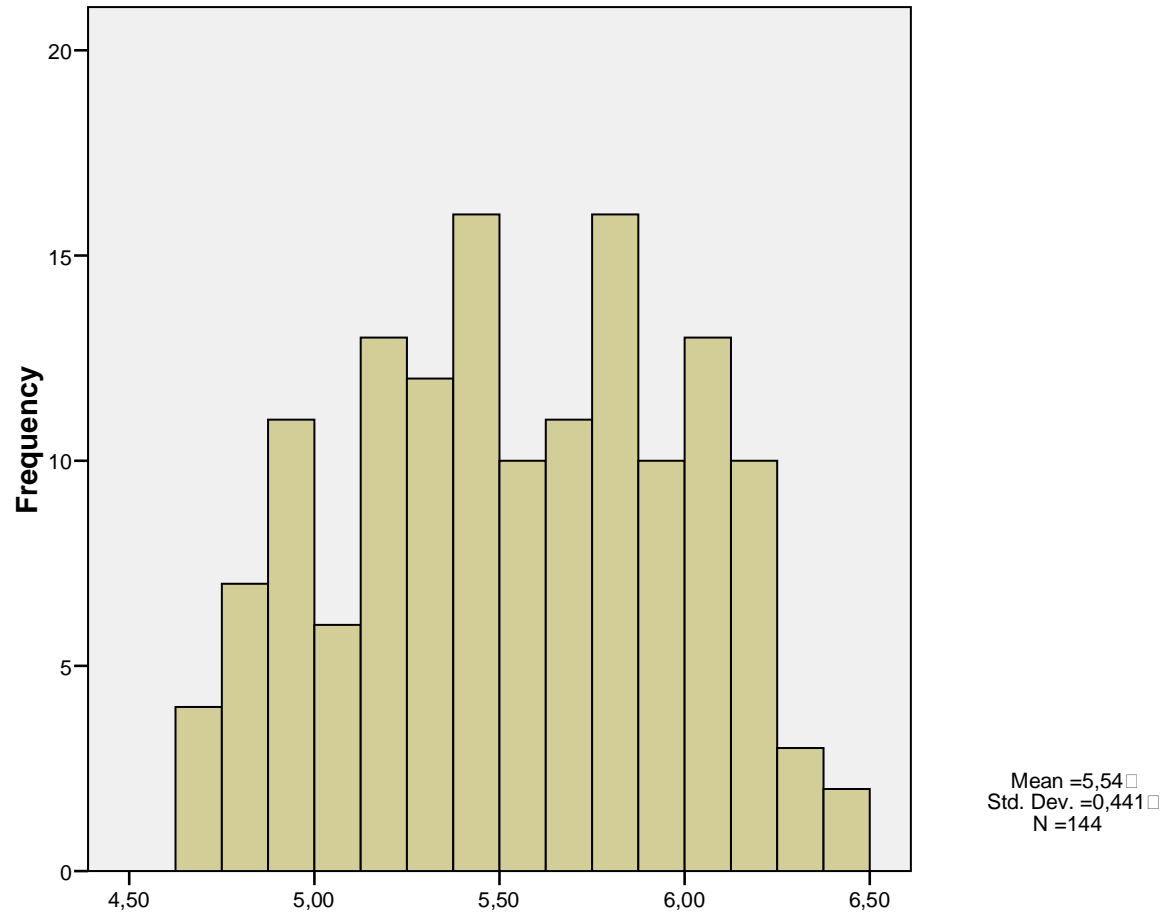
	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 moondays - otherdays	2,43267	1,46032	,37705	1,62397	3,24137	6,452	14	,000

Transformation of sample data in order to reduce the skewness or outliers:

1. Histogram of number of monthly USA airline passengers between Jan 1949 and Dec 1960



2. Histogram of log transformed data



3. Histogram of square root transformation

