

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: no_pasg (no_pasg)

aircraft=' '

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	100.00	100.00

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: speed_air (speed_air)

aircraft=' '

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	100.00	100.00

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: speed_ground (speed_ground)

aircraft=' '

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	100.00	100.00

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: height (height)

aircraft=' '

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	100.00	100.00

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: pitch (pitch)

aircraft=' '

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	100.00	100.00

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: distance (distance)

aircraft=' '

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	100.00	100.00

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: no_pasg (no_pasg)

aircraft=airbus

Moments			
N	450	Sum Weights	450
Mean	60.2466667	Sum Observations	27111
Std Deviation	7.41749272	Variance	55.0191982
Skewness	0.02491752	Kurtosis	0.28338827
Uncorrected SS	1658051	Corrected SS	24703.62
Coeff Variation	12.3118724	Std Error Mean	0.34966396

Basic Statistical Measures			
Location		Variability	
Mean	60.24667	Std Deviation	7.41749
Median	60.00000	Variance	55.01920
Mode	56.00000	Range	51.00000
		Interquartile Range	10.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	172.2988	Pr > t	<.0001
Sign	M	225	Pr >= M	<.0001
Signed Rank	S	50737.5	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	87.0
99%	77.0
95%	73.0
90%	69.5
75% Q3	65.0
50% Median	60.0
25% Q1	55.0
10%	51.0
5%	48.0
1%	43.0
0% Min	36.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
36	2	77	447
38	3	77	448
40	4	80	449
41	5	82	450
43	6	87	451

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: speed_air (speed_air)

aircraft=airbus

Moments			
N	86	Sum Weights	86
Mean	104.212333	Sum Observations	8962.26066
Std Deviation	8.09245611	Variance	65.4878458
Skewness	1.30339618	Kurtosis	1.38608004
Uncorrected SS	939544.562	Corrected SS	5566.4669
Coeff Variation	7.76535354	Std Error Mean	0.87263198

Basic Statistical Measures			
Location		Variability	
Mean	104.2123	Std Deviation	8.09246
Median	101.2648	Variance	65.48785
Mode	.	Range	36.32658
		Interquartile Range	10.08631

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	119.423	Pr > t	<.0001
Sign	M	43	Pr >= M	<.0001
Signed Rank	S	1870.5	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	131.3379
99%	131.3379
95%	118.6726
90%	114.8779
75% Q3	108.2162
50% Median	101.2648
25% Q1	98.1299
10%	96.3129
5%	95.7630
1%	95.0114
0% Min	95.0114

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
95.0114	341	118.673	25

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
95.0988	176	124.391	363
95.2874	340	125.139	32
95.5705	274	127.937	364
95.7630	16	131.338	230

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	364	80.89	100.00

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: speed_ground (speed_ground)

aircraft=airbus

Moments			
N	450	Sum Weights	450
Mean	80.1994492	Sum Observations	36089.7521
Std Deviation	16.9206507	Variance	286.308421
Skewness	0.06422223	Kurtosis	-0.1482753
Uncorrected SS	3022930.72	Corrected SS	128552.481
Coeff Variation	21.0982132	Std Error Mean	0.79764713

Basic Statistical Measures			
Location		Variability	
Mean	80.19945	Std Deviation	16.92065
Median	81.11319	Variance	286.30842
Mode	.	Range	97.46108
		Interquartile Range	23.38709

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	100.545	Pr > t	<.0001
Sign	M	225	Pr >= M	<.0001
Signed Rank	S	50737.5	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	131.0352
99%	120.5579
95%	109.1816
90%	100.6982
75% Q3	91.5809
50% Median	81.1132
25% Q1	68.1938
10%	58.0501
5%	53.3724
1%	43.8528
0% Min	33.5741

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
33.5741	307	120.558	256
36.4214	84	123.311	363
40.8018	13	125.212	32
41.1010	231	126.244	364
43.8528	119	131.035	230

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: height (height)

aircraft=airbus

Moments			
N	450	Sum Weights	450
Mean	30.3196736	Sum Observations	13643.8531
Std Deviation	10.2505068	Variance	105.07289
Skewness	-0.1290496	Kurtosis	0.06299187
Uncorrected SS	460854.9	Corrected SS	47177.7275
Coeff Variation	33.8081041	Std Error Mean	0.48321352

Basic Statistical Measures			
Location		Variability	
Mean	30.31967	Std Deviation	10.25051
Median	30.31604	Variance	105.07289
Mode	.	Range	61.56019
		Interquartile Range	13.39216

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	62.74591	Pr > t	<.0001
Sign	M	222	Pr >= M	<.0001
Signed Rank	S	50729.5	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	58.22780
99%	52.37856
95%	47.59881
90%	44.01868
75% Q3	36.99458
50% Median	30.31604
25% Q1	23.60242
10%	16.94170
5%	13.85926
1%	6.22752
0% Min	-3.33239

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-3.3323880	432	52.3786	102

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-2.9153359	165	53.4386	421
-0.0677586	378	54.1985	117
0.0861055	261	54.2760	397
6.2275178	198	58.2278	377

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: pitch (pitch)

aircraft=airbus

Moments			
N	450	Sum Weights	450
Mean	3.83174362	Sum Observations	1724.28463
Std Deviation	0.50044935	Variance	0.25044955
Skewness	0.00872061	Kurtosis	-0.1361894
Uncorrected SS	6719.46849	Corrected SS	112.451847
Coeff Variation	13.0606167	Std Error Mean	0.02359141

Basic Statistical Measures			
Location		Variability	
Mean	3.831744	Std Deviation	0.50045
Median	3.825722	Variance	0.25045
Mode	.	Range	3.24230
		Interquartile Range	0.70108

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	162.4211	Pr > t	<.0001
Sign	M	225	Pr >= M	<.0001
Signed Rank	S	50737.5	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5.52678
99%	4.91068
95%	4.65562
90%	4.47411
75% Q3	4.19202
50% Median	3.82572
25% Q1	3.49094
10%	3.18905
5%	3.02018
1%	2.68955
0% Min	2.28448

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
2.28448	355	4.91068	252
2.66891	311	4.92269	53

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
2.67133	172	4.94297	23
2.67599	149	5.03738	170
2.68955	39	5.52678	248

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: distance (distance)

aircraft=airbus

Moments			
N	450	Sum Weights	450
Mean	1318.18703	Sum Observations	593184.161
Std Deviation	792.347958	Variance	627815.286
Skewness	1.37715407	Kurtosis	2.41683993
Uncorrected SS	1063816729	Corrected SS	281889063
Coeff Variation	60.108918	Std Error Mean	37.3516409

Basic Statistical Measures			
Location		Variability	
Mean	1318.187	Std Deviation	792.34796
Median	1124.127	Variance	627815
Mode	.	Range	4862
		Interquartile Range	946.30872

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	35.29127	Pr > t	<.0001
Sign	M	225	Pr >= M	<.0001
Signed Rank	S	50737.5	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	4896.2946
99%	3891.4719
95%	2810.6958
90%	2406.2659
75% Q3	1710.3487
50% Median	1124.1266
25% Q1	764.0399
10%	525.6759
5%	402.9313
1%	241.1610
0% Min	34.0808

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
34.0808	165	3891.47	25
41.7223	446	4254.93	32
133.0869	282	4295.90	363

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
180.5652	309	4795.64	364
241.1610	17	4896.29	230

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: no_pasg (no_pasg)

aircraft=boeing

Moments			
N	500	Sum Weights	500
Mean	60.092	Sum Observations	30046
Std Deviation	7.5613414	Variance	57.1738838
Skewness	-0.0548105	Kurtosis	0.16490101
Uncorrected SS	1834054	Corrected SS	28529.768
Coeff Variation	12.5829418	Std Error Mean	0.33815347

Basic Statistical Measures			
Location		Variability	
Mean	60.09200	Std Deviation	7.56134
Median	60.00000	Variance	57.17388
Mode	61.00000	Range	53.00000
		Interquartile Range	10.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	177.7063	Pr > t	<.0001
Sign	M	250	Pr >= M	<.0001
Signed Rank	S	62625	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	82.0
99%	78.0
95%	72.0
90%	69.0
75% Q3	65.0
50% Median	60.0
25% Q1	55.0
10%	50.0
5%	47.5
1%	44.0
0% Min	29.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
29	452	78	947
42	453	78	948
43	454	79	949
44	460	80	950

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
44	459	82	951

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: speed_air (speed_air)

aircraft=boeing

Moments			
N	153	Sum Weights	153
Mean	103.459537	Sum Observations	15829.3091
Std Deviation	11.8014886	Variance	139.275132
Skewness	1.06646232	Kurtosis	0.63586936
Uncorrected SS	1658862.81	Corrected SS	21169.8201
Coeff Variation	11.4068639	Std Error Mean	0.9540938

Basic Statistical Measures			
Location		Variability	
Mean	103.4595	Std Deviation	11.80149
Median	100.2607	Variance	139.27513
Mode	90.1110	Range	51.72208
		Interquartile Range	16.25575

Note: The mode displayed is the smallest of 31 modes with a count of 2.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	108.4375	Pr > t	<.0001
Sign	M	76.5	Pr >= M	<.0001
Signed Rank	S	5890.5	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	141.7249
99%	141.7249
95%	127.5933
90%	120.4447
75% Q3	109.7518
50% Median	100.2607
25% Q1	93.4960
10%	91.2769
5%	90.6262
1%	90.1110
0% Min	90.0029

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
90.0029	626	128.418	929
90.1110	731	132.911	535
90.1110	730	136.423	814
90.3674	586	141.725	569

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
90.4767	756	141.725	570

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	347	69.40	100.00

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: speed_ground (speed_ground)

aircraft=boeing

Moments			
N	500	Sum Weights	500
Mean	78.4619843	Sum Observations	39230.9922
Std Deviation	21.2608971	Variance	452.025744
Skewness	0.22959814	Kurtosis	-0.2222881
Uncorrected SS	3303702.34	Corrected SS	225560.846
Coeff Variation	27.0970678	Std Error Mean	0.95081622

Basic Statistical Measures			
Location		Variability	
Mean	78.46198	Std Deviation	21.26090
Median	78.08546	Variance	452.02574
Mode	29.22766	Range	113.48292
		Interquartile Range	29.70735

Note: The mode displayed is the smallest of 100 modes with a count of 2.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	82.52066	Pr > t	<.0001
Sign	M	250	Pr >= M	<.0001
Signed Rank	S	62625	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	141.2186
99%	129.2861
95%	115.5366
90%	107.0953
75% Q3	92.9766
50% Median	78.0855
25% Q1	63.2692
10%	52.3165
5%	44.3943
1%	34.1699
0% Min	27.7357

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
27.7357	462	129.307	871
29.2277	706	132.785	535
29.2277	705	136.659	814
33.8230	872	141.219	569
34.1178	815	141.219	570

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: height (height)

aircraft=boeing

Moments			
N	500	Sum Weights	500
Mean	29.9769094	Sum Observations	14988.4547
Std Deviation	10.4639316	Variance	109.493864
Skewness	-0.0756919	Kurtosis	0.15228338
Uncorrected SS	503944.988	Corrected SS	54637.438
Coeff Variation	34.906639	Std Error Mean	0.46796125

Basic Statistical Measures			
Location		Variability	
Mean	29.97691	Std Deviation	10.46393
Median	29.60348	Variance	109.49386
Mode	-3.54625	Range	63.49222
		Interquartile Range	14.44195

Note: The mode displayed is the smallest of 100 modes with a count of 2.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	64.05853	Pr > t	<.0001
Sign	M	247	Pr >= M	<.0001
Signed Rank	S	62614	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	59.94596
99%	54.68478
95%	47.04876
90%	43.88273
75% Q3	37.08044
50% Median	29.60348
25% Q1	22.63849
10%	17.50896
5%	13.53222
1%	2.99706
0% Min	-3.54625

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-3.54625	795	55.0935	620
-3.54625	794	58.0818	607
-1.52813	892	58.0835	657
1.25386	931	58.0835	658
2.20519	877	59.9460	600

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: pitch (pitch)

aircraft=boeing

Moments			
N	500	Sum Weights	500
Mean	4.18800045	Sum Observations	2094.00023
Std Deviation	0.49056453	Variance	0.24065355
Skewness	0.11572933	Kurtosis	-0.1077768
Uncorrected SS	8889.76001	Corrected SS	120.086123
Coeff Variation	11.7135738	Std Error Mean	0.02193871

Basic Statistical Measures			
Location		Variability	
Mean	4.188000	Std Deviation	0.49056
Median	4.171159	Variance	0.24065
Mode	3.146791	Range	2.93363
		Interquartile Range	0.64147

Note: The mode displayed is the smallest of 100 modes with a count of 2.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	190.8955	Pr > t	<.0001
Sign	M	250	Pr >= M	<.0001
Signed Rank	S	62625	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5.92678
99%	5.31771
95%	5.01171
90%	4.81354
75% Q3	4.51448
50% Median	4.17116
25% Q1	3.87301
10%	3.58612
5%	3.32960
1%	3.14037
0% Min	2.99315

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
2.99315	885	5.32475	914
3.06891	796	5.32475	915
3.11264	507	5.55640	707
3.12582	897	5.55640	708
3.13396	483	5.92678	723

Descriptive statistics for COMBINED data

The UNIVARIATE Procedure
Variable: distance (distance)

aircraft=boeing

Moments			
N	500	Sum Weights	500
Mean	1756.39587	Sum Observations	878197.937
Std Deviation	1027.40717	Variance	1055565.5
Skewness	1.71911891	Kurtosis	3.47549064
Uncorrected SS	2069190415	Corrected SS	526727182
Coeff Variation	58.4951938	Std Error Mean	45.9470455

Basic Statistical Measures			
Location		Variability	
Mean	1756.396	Std Deviation	1027
Median	1453.419	Variance	1055565
Mode	425.859	Range	6162
		Interquartile Range	1122

Note: The mode displayed is the smallest of 100 modes with a count of 2.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	38.22652	Pr > t	<.0001
Sign	M	250	Pr >= M	<.0001
Signed Rank	S	62625	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6533.048
99%	5362.580
95%	3965.507
90%	3161.673
75% Q3	2153.488
50% Median	1453.419
25% Q1	1031.461
10%	829.897
5%	751.993
1%	577.501
0% Min	371.277

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
371.277	931	5381.96	928
425.859	746	5381.96	929
425.859	745	6309.95	814
573.622	613	6533.05	569
573.622	612	6533.05	570