Table S1. Descriptive statistical analysis.

Descriptive Statistics (all)											
Variable	Mean	Median	Minimum	Maximum	Lower	Upper	Range	Quartile	Variance	Std.Dev.	Coef.Var.
Sucrose [g/L]	72.3582	79.5110	14.59100	140.3770	46.71850	91.2395	125.7860	44.5210	948.69	30.8008	42.5671
Glucose [g/L]	27.9315	26.4155	6.26700	67.3750	21.02300	30.6545	61.1080	9.6315	201.53	14.1962	50.8249
Fructose [g/L]	59.9464	56.1765	22.67300	126.6340	43.08050	75.0720	103.9610	31.9915	541.67	23.2737	38.8243
TPC [mg/L]	197.9945	178.8077	17.76923	621.7500	58.74359	295.6058	603.9808	236.8622	25200.19	158.7457	80.1768
TFC [g CE/kg]	47.2459	36.5518	5.05882	156.4300	25.43412	60.7400	151.3712	35.3059	1213.75	34.8390	73.7396
ABTS	0.2964	0.2728	0.01470	0.9920	0.12491	0.3574	0.9773	0.2325	0.06	0.2404	81.1130
DPPH	0.1175	0.1085	0.02644	0.2680	0.07259	0.1534	0.2416	0.0808	0.00	0.0624	53.1063
Catechin	0.4454	0.2860	0.07100	2.7000	0.18050	0.4650	2.6290	0.2845	0.28	0.5307	119.1542
Chlorogenic Acid	110.2471	54.0200	1.30100	492.2670	27.40350	115.2365	490.9660	87.8330	18405.90	135.6683	123.0584
Gallic Acid	0.4011	0.0320	0.00000	2.4600	0.00000	0.6900	2.4600	0.6900	0.39	0.6232	155.3938
Trans-ferulic Acid	0.1205	0.0555	0.01600	0.7320	0.03100	0.1075	0.7160	0.0765	0.03	0.1758	145.8343
p-coumaric Acid	0.1110	0.0530	0.01000	0.5350	0.02650	0.1090	0.5250	0.0825	0.02	0.1312	118.2038
Procyanidin A2	1.4198	0.7200	0.09100	8.0930	0.36750	2.3045	8.0020	1.9370	2.63	1.6227	114.2959
Procyanidin B1	49.2701	19.7525	0.00000	242.6000	3.81200	60.3440	242.6000	56.5320	4524.73	67.2661	136.5252
Procyanidin B2	48.5904	30.3470	0.00000	174.9510	1.37400	83.4400	174.9510	82.0660	3412.43	58.4160	120.2213
Myricetin	0.1908	0.1115	0.00000	0.7070	0.03450	0.2805	0.7070	0.2460	0.04	0.2015	105.6400
Quercetin	0.0216	0.0000	0.00000	0.0980	0.00000	0.0450	0.0980	0.0450	0.00	0.0278	128.8461
Quercetin-3-D-Glucoside	0.3307	0.1955	0.00000	1.2490	0.09900	0.4920	1.2490	0.3930	0.11	0.3372	101.9483
Catechin	5.6798	1.8150	0.00000	65.7030	0.82150	6.8125	65.7030	5.9910	132.05	11.4913	202.3170
Epicatechin	5.6582	2.6690	0.26700	46.8400	1.00400	4.9450	46.5730	3.9410	84.47	9.1909	162.4347
Epigallocatechin	20.8772	7.8770	0.00000	91.0780	0.94300	35.0555	91.0780	34.1125	745.96	27.3123	130.8240
Phloridzin	4.1269	1.8755	0.47500	13.6500	1.19500	7.0185	13.1750	5.8235	14.58	3.8190	92.5389

Apple Cultivar=´Ilzer Rosenapfel´Descriptive Statistics (Spreadsheet2)											
Variable	Mean	Median	Minimum	Maximum	Lower	Upper	Range	Quartile	Variance	Std.Dev.	Coef.Var.
Sucrose [g/L]	53.5642	48.14450	44.89100	67.9850	45.75700	66.4630	23.0940	20.7060	106.67	10.3279	19.2814
Glucose [g/L]	20.9638	26.44500	9.55200	26.9120	9.81900	26.6690	17.3600	16.8500	71.58	8.4604	40.3570
Fructose [g/L]	57.5952	63.21950	36.41200	72.1820	40.61100	69.9270	35.7700	29.3160	217.98	14.7640	25.6341

TPC [mg/L]	165.7999	58.56410	35.84615	409.2500	41.12821	386.7500	373.4038	345.6218	31073.37	176.2764	106.3188
TFC [g CE/kg]	43.6965	46.23529	24.23529	61.2000	29.76471	59.2000	36.9647	29.4353	245.45	15.6669	35.8539
ABTS	0.2488	0.07807	0.04592	0.6100	0.06338	0.5780	0.5641	0.5146	0.07	0.2625	105.5131
DPPH	0.1039	0.09907	0.04571	0.1680	0.05364	0.1550	0.1223	0.1014	0.00	0.0491	47.2525
Catechin	0.3606	0.32700	0.21300	0.5630	0.23000	0.4740	0.3500	0.2440	0.02	0.1388	38.4955
Chlorogenic Acid	37.7701	22.61100	7.21000	84.0220	7.72200	81.6510	76.8120	73.9290	1190.98	34.5106	91.3702
Gallic Acid	0.1964	0.14500	0.00000	0.4560	0.00000	0.4340	0.4560	0.4340	0.04	0.1983	100.9560
Trans-ferulic Acid	0.0524	0.02800	0.01600	0.1360	0.01800	0.0560	0.1200	0.0380	0.00	0.0465	88.6351
p-coumaric Acid	0.0929	0.05500	0.02400	0.2010	0.02600	0.1940	0.1770	0.1680	0.01	0.0800	86.1302
Procyanidin A2	1.0520	0.48700	0.23200	2.3910	0.40700	2.2500	2.1590	1.8430	0.90	0.9481	90.1277
Procyanidin B1	38.4194	5.29700	3.61200	112.7910	4.37900	94.2700	109.1790	89.8910	2553.49	50.5321	131.5274
Procyanidin B2	43.0769	2.98600	0.00000	128.1430	0.00000	123.7390	128.1430	123.7390	3890.89	62.3770	144.8038
Myricetin	0.0637	0.02200	0.01700	0.1550	0.01900	0.1480	0.1380	0.1290	0.00	0.0651	102.1999
Quercetin	0.0532	0.05200	0.04000	0.0670	0.04900	0.0590	0.0270	0.0100	0.00	0.0082	15.4019
Quercetin-3-D-Glucoside	0.1780	0.08800	0.00000	0.4650	0.00000	0.4410	0.4650	0.4410	0.04	0.2069	116.2440
Catechin	1.4477	1.49000	0.81500	1.9000	1.27300	1.8180	1.0850	0.5450	0.17	0.4123	28.4793
Epicatechin	3.1174	2.13200	0.45800	5.9480	2.00800	5.3800	5.4900	3.3720	4.18	2.0434	65.5488
Epigallocatechin	10.6886	6.00700	4.76700	20.8580	5.96400	19.9210	16.0910	13.9570	53.92	7.3428	68.6979
Phloridzin	8.9526	7.84500	6.18400	12.8330	6.42200	12.4500	6.6490	6.0280	8.35	2.8901	32.2821

Apple Cultivar=´Ivanlija´Descriptive Statistics (Spreadsheet2)

Variable	Mean	Median	Minimum	Maximum	Lower	Upper	Range	Quartile	Variance	Std.Dev.	Coef.Var.
Sucrose [g/L]	64.3723	82.40300	14.59100	96.0850	14.78100	95.9710	81.4940	81.1900	1423.48	37.7290	58.6106
Glucose [g/L]	17.3950	21.30100	6.26700	24.4650	6.62000	24.4160	18.1980	17.7960	69.32	8.3258	47.8634
Fructose [g/L]	36.7775	24.84150	22.67300	63.3760	23.39800	61.5350	40.7030	38.1370	371.84	19.2832	52.4321
TPC [mg/L]	130.5791	59.07692	17.76923	321.7500	24.30769	311.7500	303.9808	287.4423	19556.66	139.8451	107.0961

TFC [g CE/kg]	46.9324	38.35294	28.58824	72.1200	33.29412	69.2000	43.5318	35.9059	332.44	18.2328	38.8491
ABTS	0.1615	0.08175	0.01837	0.3970	0.03398	0.3520	0.3786	0.3180	0.03	0.1621	100.3601
DPPH	0.0713	0.08400	0.02644	0.1034	0.03357	0.0935	0.0770	0.0600	0.00	0.0314	44.0292
Catechin	0.1589	0.16100	0.10100	0.1960	0.15700	0.1870	0.0950	0.0300	0.00	0.0321	20.2317
Chlorogenic Acid	21.6440	5.16200	1.30100	64.1280	1.37500	55.1720	62.8270	53.7970	777.02	27.8750	128.7887
Gallic Acid	0.7639	0.97200	0.00000	1.4070	0.00000	1.1460	1.4070	1.1460	0.36	0.5980	78.2890
Trans-ferulic Acid	0.2480	0.05300	0.02600	0.7150	0.03100	0.5940	0.6890	0.5630	0.10	0.3125	126.0068
p-coumaric Acid	0.0531	0.03800	0.02200	0.0900	0.02300	0.0840	0.0680	0.0610	0.00	0.0301	56.6142
Procyanidin A2	0.6153	0.39800	0.18500	1.3000	0.22100	1.2220	1.1150	1.0010	0.23	0.4831	78.5150
Procyanidin B1	0.8004	0.00000	0.00000	3.8230	0.00000	1.3270	3.8230	1.3270	1.85	1.3615	170.0891
Procyanidin B2	0.2691	0.00000	0.00000	1.0010	0.00000	0.6610	1.0010	0.6610	0.17	0.4130	153.4785
Myricetin	0.0430	0.02500	0.00000	0.1060	0.00000	0.1020	0.1060	0.1020	0.00	0.0472	109.8514
Quercetin	0.0000	0.00000	0.00000	0.0000	0.00000	0.0000	0.0000	0.0000	0.00	0.0000	0.0000
Quercetin-3-D-Glucoside	0.1600	0.00000	0.00000	0.4990	0.00000	0.4660	0.4990	0.4660	0.06	0.2402	150.0947
Catechin	0.5893	0.30000	0.00000	1.5790	0.00000	1.4510	1.5790	1.4510	0.52	0.7208	122.3074
Epicatechin	2.0030	1.74300	0.63200	3.7370	0.65900	3.5490	3.1050	2.8900	1.73	1.3153	65.6645
Epigallocatechin	1.5038	1.27400	0.00000	3.1440	0.86000	2.8010	3.1440	1.9410	1.47	1.2137	80.7104
Phloridzin	0.8449	0.82200	0.47500	1.3130	0.56400	1.0490	0.8380	0.4850	0.08	0.2885	34.1499

Apple Cultivar=´Mašanka´Descriptive Statistics (Spreadsheet2)

Variable	Mean	Median	Minimum	Maximum	Lower	Upper	Range	Quartile	Variance	Std.Dev.	Coef.Var.
Sucrose [g/L]	103.0128	92.7085	77.2310	140.3770	77.7610	137.2910	63.1460	59.5300	766.24	27.6811	26.8715
Glucose [g/L]	23.2467	22.6990	9.8210	37.0150	10.6180	36.6280	27.1940	26.0100	132.92	11.5290	49.5942
Fructose [g/L]	95.8303	82.6845	76.6530	126.6340	80.3100	126.0160	49.9810	45.7060	527.51	22.9676	23.9669
TPC [mg/L]	352.5021	282.1538	162.3846	621.7500	164.6923	589.2500	459.3654	424.5577	40369.85	200.9225	56.9989
TFC [g CE/kg]	71.4969	47.4118	8.7059	156.4300	13.6471	152.1200	147.7241	138.4729	4177.81	64.6360	90.4040

ABTS	0.5219	0.3628	0.2829	0.9510	0.2902	0.9230	0.6681	0.6328	0.10	0.3150	60.3529
DPPH	0.2112	0.1965	0.1638	0.2680	0.1690	0.2640	0.1042	0.0950	0.00	0.0445	21.0474
Catechin	1.2502	0.6230	0.4260	2.7000	0.5050	2.6000	2.2740	2.0950	1.09	1.0423	83.3674
Chlorogenic Acid	431.5293	417.9470	380.5070	492.2670	401.1220	481.3450	111.7600	80.2230	1936.37	44.0042	10.1973
Gallic Acid	0.8016	0.0000	0.0000	2.4600	0.0000	2.3230	2.4600	2.3230	1.45	1.2029	150.0676
Trans-ferulic Acid	0.3589	0.3020	0.0980	0.7320	0.1220	0.5950	0.6340	0.4730	0.06	0.2441	68.0202
p-coumaric Acid	0.3403	0.4140	0.0800	0.5350	0.1010	0.5190	0.4550	0.4180	0.04	0.1982	58.2502
Procyanidin A2	2.8478	0.7600	0.3300	8.0930	0.6650	6.6140	7.7630	5.9490	11.06	3.3251	116.7609
Procyanidin B1	91.0516	80.9590	20.9240	171.9960	32.2660	164.6970	151.0720	132.4310	3890.60	62.3746	68.5047
Procyanidin B2	90.3171	61.7280	37.8900	161.9340	47.7410	158.6840	124.0440	110.9430	2867.12	53.5455	59.2861
Myricetin	0.2963	0.3950	0.0930	0.4200	0.0980	0.3970	0.3270	0.2990	0.02	0.1515	51.1318
Quercetin	0.0540	0.0370	0.0310	0.0980	0.0350	0.0870	0.0670	0.0520	0.00	0.0283	52.3783
Quercetin-3-D-Glucoside	0.8624	0.7330	0.7090	1.1380	0.7180	1.1260	0.4290	0.4080	0.04	0.2037	23.6246
Catechin	25.3561	10.6640	8.1510	65.7030	8.9170	52.7940	57.5520	43.8770	582.73	24.1397	95.2027
Epicatechin	10.0210	5.0530	4.5090	20.4330	4.6480	20.0290	15.9240	15.3810	58.63	7.6570	76.4100
Epigallocatechin	65.7843	71.6970	42.3020	91.0780	45.3950	84.7590	48.7760	39.3640	437.62	20.9193	31.7998
Phloridzin	9.4059	7.5720	6.9600	13.6500	7.1510	13.2680	6.6900	6.1170	9.42	3.0693	32.6317

Apple Cultivar=´Austrougarka´Descriptive Statistics (Spreadsheet2)

Variable	Mean	Median	Minimum	Maximum	Lower	Upper	Range	Quartile	Variance	Std.Dev.	Coef.Var.
Sucrose [g/L]	70.7020	81.2995	47.68000	83.3250	47.92500	82.6830	35.6450	34.7580	295.54	17.1913	24.3152
Glucose [g/L]	20.4435	22.3555	9.69000	29.6730	9.75700	28.8300	19.9830	19.0730	73.60	8.5792	41.9655
Fructose [g/L]	64.8110	61.4915	50.34500	82.6740	50.43400	82.4300	32.3290	31.9960	200.16	14.1478	21.8294
TPC [mg/L]	260.3583	222.6667	20.84615	559.2500	28.53846	531.7500	538.4038	503.2115	51565.13	227.0796	87.2181
TFC [g CE/kg]	75.9900	102.7059	5.41176	114.4300	24.23529	105.6600	109.0182	81.4247	2200.38	46.9082	61.7294
ABTS	0.4292	0.3334	0.01470	0.9920	0.03123	0.8960	0.9773	0.8648	0.16	0.4043	94.2080

DPPH	0.1514	0.1621	0.03436	0.2570	0.04149	0.2510	0.2226	0.2095	0.01	0.0943	62.2558
Catechin	0.8068	0.6790	0.39100	1.4860	0.40000	1.0790	1.0950	0.6790	0.19	0.4393	54.4475
Chlorogenic Acid	146.1312	186.7010	7.12700	245.3370	7.52800	243.1990	238.2100	235.6710	11477.43	107.1328	73.3127
Gallic Acid	0.0764	0.0830	0.00000	0.2120	0.00000	0.1040	0.2120	0.1040	0.00	0.0705	92.2403
Trans-ferulic Acid	0.0793	0.0800	0.03100	0.1310	0.05500	0.1050	0.1000	0.0500	0.00	0.0329	41.5058
p-coumaric Acid	0.1212	0.1090	0.03000	0.2210	0.04200	0.2180	0.1910	0.1760	0.01	0.0806	66.4976
Procyanidin A2	1.4928	0.4070	0.38000	3.7490	0.39900	3.0500	3.3690	2.6510	2.34	1.5294	102.4502
Procyanidin B1	17.8019	19.7580	2.25000	32.2050	2.79900	28.8970	29.9550	26.0980	151.91	12.3253	69.2357
Procyanidin B2	64.8583	40.8310	1.20900	151.2610	2.27800	149.4740	150.0520	147.1960	4426.56	66.5324	102.5811
Myricetin	0.0976	0.0500	0.00000	0.2520	0.00000	0.2350	0.2520	0.2350	0.01	0.1119	114.7424
Quercetin	0.0143	0.0000	0.00000	0.0450	0.00000	0.0400	0.0450	0.0400	0.00	0.0215	150.2837
Quercetin-3-D-Glucoside	0.5943	0.5410	0.00000	1.2490	0.00000	1.2350	1.2490	1.2350	0.29	0.5403	90.9116
Catechin	6.7833	8.6930	0.37200	11.4320	0.39100	11.2000	11.0600	10.8090	24.38	4.9378	72.7930
Epicatechin	7.2971	4.9210	0.26700	17.5790	0.33000	15.5800	17.3120	15.2500	53.48	7.3132	100.2200
Epigallocatechin	34.5793	27.3010	1.02600	80.6000	1.14700	68.6430	79.5740	67.4960	1080.48	32.8707	95.0588
Phloridzin	2.8991	2.6630	1.13400	5.0180	1.19700	4.7460	3.8840	3.5490	2.56	1.6010	55.2244

Apple Cultivar=´Jonagold´Descriptive Statistics (Spreadsheet2)

Variable	Mean	Median	Minimum	Maximum	Lower	Upper	Range	Quartile	Variance	Std.Dev.	Coef.Var.
Sucrose [g/L]	63.3367	75.0375	30.67200	85.2600	31.38800	82.6250	54.5880	51.2370	602.522	24.54632	38.7553
Glucose [g/L]	23.7460	25.7070	17.57900	28.2480	17.71100	27.5240	10.6690	9.8130	22.073	4.69821	19.7853
Fructose [g/L]	54.8165	48.1255	42.93100	73.4910	43.52900	72.6970	30.5600	29.1680	192.927	13.88983	25.3388
TPC [mg/L]	131.2699	127.2821	42.38462	239.2500	43.53846	211.7500	196.8654	168.2115	6414.881	80.09295	61.0139
TFC [g CE/kg]	27.8118	15.2000	12.47059	62.7059	14.43000	28.9412	50.2353	14.5112	412.539	20.31106	73.0305
ABTS	0.1468	0.1380	0.09736	0.1984	0.12124	0.1819	0.1010	0.0606	0.001	0.03583	24.4112
DPPH	0.0814	0.0810	0.03858	0.1280	0.04466	0.1157	0.0894	0.0711	0.001	0.03437	42.2152
Catechin	0.1940	0.1730	0.13300	0.2780	0.13900	0.2690	0.1450	0.1300	0.004	0.06185	31.8838

Chlorogenic Acid	46.0854	40.1080	31.16200	67.4760	31.94600	65.2710	36.3140	33.3250	244.276	15.62934	33.9138
Gallic Acid	0.4544	0.6180	0.00000	0.7570	0.00000	0.7230	0.7570	0.7230	0.119	0.34558	76.0443
Trans-ferulic Acid	0.0422	0.0370	0.01700	0.0864	0.01900	0.0680	0.0694	0.0490	0.001	0.02642	62.6727
p-coumaric Acid	0.0407	0.0480	0.02300	0.0500	0.02600	0.0490	0.0270	0.0230	0.000	0.01205	29.6360
Procyanidin A2	1.9170	2.3090	0.71300	2.6170	1.10800	2.4160	1.9040	1.3080	0.571	0.75576	39.4242
Procyanidin B1	7.5460	3.1120	0.00000	21.0590	0.00000	18.1070	21.0590	18.1070	84.663	9.20123	121.9353
Procyanidin B2	14.3552	6.7080	1.30500	36.7890	1.38200	32.1650	35.4840	30.7830	246.123	15.68829	109.2863
Myricetin	0.4359	0.5960	0.09600	0.6140	0.09900	0.6090	0.5180	0.5100	0.064	0.25353	58.1643
Quercetin	0.0000	0.0000	0.00000	0.0000	0.00000	0.0000	0.0000	0.0000	0.000	0.00000	0.0000
Quercetin-3-D-Glucoside	0.1473	0.1430	0.13600	0.1640	0.13800	0.1560	0.0280	0.0180	0.000	0.01125	7.6339
Catechin	1.2488	0.8960	0.42100	2.4630	0.43600	2.3770	2.0420	1.9410	0.811	0.90057	72.1163
Epicatechin	1.1720	0.8650	0.49600	2.2100	0.53700	2.0460	1.7140	1.5090	0.531	0.72896	62.1983
Epigallocatechin	3.7353	0.6570	0.00000	11.9220	0.00000	8.0080	11.9220	8.0080	27.462	5.24043	140.2934
Phloridzin	1.2279	1.1940	0.67200	1.8480	0.69000	1.7980	1.1760	1.1080	0.250	0.50046	40.7576

Apple Cultivar=´Golden Delicious´Descriptive Statistics (Spreadsheet2)

Variable	Mean	Median	Minimum	Maximum	Lower	Upper	Range	Quartile	Variance	Std.Dev.	Coef.Var.
Sucrose [g/L]	76.7587	88.7195	28.42400	116.0880	28.70800	109.8930	87.6640	81.1850	1419.320	37.67386	49.0809
Glucose [g/L]	31.6287	29.8905	20.72500	45.2300	20.75700	43.2790	24.5050	22.5220	105.604	10.27636	32.4906
Fructose [g/L]	56.2040	48.0700	38.48600	78.7090	45.25900	78.6300	40.2230	33.3710	294.017	17.14692	30.5084
TPC [mg/L]	147.9152	145.7436	42.00000	264.2500	48.53846	254.2500	222.2500	205.7115	8628.611	92.89032	62.7997
TFC [g CE/kg]	24.7398	23.0500	5.05882	52.4706	13.29412	36.0000	47.4118	22.7059	238.347	15.43850	62.4035
ABTS	0.2073	0.2120	0.11848	0.2930	0.15982	0.2590	0.1745	0.0992	0.004	0.06099	29.4174
DPPH	0.0965	0.1030	0.04149	0.1383	0.07318	0.1284	0.0968	0.0552	0.001	0.03552	36.8145
Catechin	0.2738	0.2950	0.22000	0.3060	0.22500	0.2990	0.0860	0.0740	0.001	0.03828	13.9826
Chlorogenic Acid	67.4596	52.7930	44.31500	107.2490	44.74700	102.5100	62.9340	57.7630	818.409	28.60784	42.4074

Gallic Acid	0.0000	0.0000	0.00000	0.0000	0.00000	0.0000	0.0000	0.0000	0.000	0.00000	0.0000
Trans-ferulic Acid	0.0350	0.0310	0.02100	0.0620	0.02800	0.0340	0.0410	0.0060	0.000	0.01260	35.9989
p-coumaric Acid	0.0241	0.0150	0.01000	0.0450	0.01500	0.0430	0.0350	0.0280	0.000	0.01505	62.3999
Procyanidin A2	1.5809	1.7870	0.25500	2.9300	0.26400	2.4530	2.6750	2.1890	1.196	1.09346	69.1677
Procyanidin B1	18.5199	15.4180	8.40300	30.3530	11.93800	29.1020	21.9500	17.1640	77.778	8.81917	47.6200
Procyanidin B2	18.0502	7.3520	4.75600	42.6510	5.74800	40.4610	37.8950	34.7130	309.843	17.60235	97.5187
Myricetin	0.3090	0.1330	0.09000	0.7070	0.10500	0.6760	0.6170	0.5710	0.082	0.28709	92.9093
Quercetin	0.0000	0.0000	0.00000	0.0000	0.00000	0.0000	0.0000	0.0000	0.000	0.00000	0.0000
Quercetin-3-D-Glucoside	0.1769	0.1870	0.07300	0.2670	0.08700	0.2590	0.1940	0.1720	0.006	0.07981	45.1177
Catechin	1.0576	1.2140	0.48000	1.8170	0.59900	1.2440	1.3370	0.6450	0.262	0.51180	48.3948
Epicatechin	1.0864	1.0880	1.00200	1.2070	1.00500	1.1400	0.2050	0.1350	0.006	0.07445	6.8529
Epigallocatechin	2.8114	0.0000	0.00000	8.6780	0.00000	8.1980	8.6780	8.1980	17.799	4.21887	150.0608
Phloridzin	2.2066	1.6710	1.43600	3.5510	1.45200	3.4510	2.1150	1.9990	0.953	0.97630	44.2454

Apple Cultivar=´Fuji´Descriptive Statistics (Spreadsheet2)

Variable	Mean	Median	Minimum	Maximum	Lower	Upper	Range	Quartile	Variance	Std.Dev.	Coef.Var.
Sucrose [g/L]	81.2162	91.4400	30.73700	123.5600	31.98900	118.1310	92.8230	86.1420	1562.07	39.5231	48.6641
Glucose [g/L]	48.9510	50.6230	30.00600	67.3750	30.37400	64.7050	37.3690	34.3310	243.04	15.5899	31.8479
Fructose [g/L]	59.9235	49.8540	37.53900	92.6210	37.94400	91.7290	55.0820	53.7850	612.98	24.7584	41.3167
TPC [mg/L]	190.1660	194.9744	58.92308	326.7500	75.07692	296.7500	267.8269	221.6731	11283.11	106.2220	55.8575
TFC [g CE/kg]	50.4867	40.3529	31.20000	86.2353	33.20000	66.5882	55.0353	33.3882	409.98	20.2480	40.1056
ABTS	0.3395	0.3371	0.25258	0.4610	0.31412	0.3480	0.2084	0.0339	0.00	0.0619	18.2182
DPPH	0.1168	0.1367	0.06262	0.1482	0.08533	0.1410	0.0856	0.0557	0.00	0.0337	28.8797
Catechin	0.3638	0.3760	0.27200	0.5240	0.27300	0.3850	0.2520	0.1120	0.01	0.0874	24.0200
Chlorogenic Acid	96.8444	78.0640	70.55100	152.9170	71.08600	123.2240	82.3660	52.1380	1157.78	34.0262	35.1349
Gallic Acid	0.4757	0.1660	0.00000	1.2880	0.00000	1.2440	1.2880	1.2440	0.36	0.5972	125.5587

Trans-ferulic Acid	0.0852	0.0790	0.01800	0.1620	0.03700	0.1280	0.1440	0.0910	0.00	0.0526	61.6784
p-coumaric Acid	0.0567	0.0320	0.02100	0.1300	0.02600	0.1050	0.1090	0.0790	0.00	0.0442	77.9922
Procyanidin A2	1.1683	0.2020	0.10800	3.8750	0.11400	2.6690	3.7670	2.5550	2.45	1.5667	134.0983
Procyanidin B1	28.2779	32.9370	12.50200	42.1590	13.67200	38.4030	29.6570	24.7310	142.63	11.9426	42.2329
Procyanidin B2	21.0517	24.1010	0.68100	38.3220	0.80700	37.4960	37.6410	36.6890	268.32	16.3806	77.8115
Myricetin	0.0873	0.1010	0.01800	0.1540	0.02100	0.1270	0.1360	0.1060	0.00	0.0541	61.9618
Quercetin	0.0000	0.0000	0.00000	0.0000	0.00000	0.0000	0.0000	0.0000	0.00	0.0000	0.0000
Quercetin-3-D-Glucoside	0.1700	0.1830	0.10900	0.2170	0.12600	0.2010	0.1080	0.0750	0.00	0.0412	24.2125
Catechin	2.8196	2.1240	1.18700	5.4740	1.21700	4.9680	4.2870	3.7510	3.34	1.8280	64.8343
Epicatechin	2.4978	3.1770	0.70300	3.7830	0.74000	3.2580	3.0800	2.5180	1.83	1.3528	54.1593
Epigallocatechin	6.9563	7.0400	0.00000	16.1470	0.00000	12.1490	16.1470	12.1490	36.34	6.0281	86.6561
Phloridzin	6.0192	6.9970	1.90300	9.8940	1.92800	8.0660	7.9910	6.1380	10.75	3.2788	54.4714

Apple Cultivar=´Granny Smith´Descriptive Statistics (Spreadsheet2)

Variable	Mean	Median	Minimum	Maximum	Lower	Upper	Range	Quartile	Variance	Std.Dev.	Coef.Var.
Sucrose [g/L]	65.9027	65.8685	40.8270	91.1600	41.1740	90.5180	50.3330	49.3440	465.906	21.58486	32.7526
Glucose [g/L]	37.0775	31.3395	25.2140	54.7260	25.6190	54.2270	29.5120	28.6080	176.928	13.30141	35.8746
Fructose [g/L]	53.6128	46.1875	41.3180	73.4660	42.1390	72.3790	32.1480	30.2400	214.040	14.63011	27.2885
TPC [mg/L]	205.3654	194.9744	90.8462	326.7500	103.9231	304.2500	235.9038	200.3269	9288.847	96.37866	46.9303
TFC [g CE/kg]	36.8135	36.2800	30.4300	45.4118	33.6471	39.1765	14.9818	5.5294	20.710	4.55081	12.3618
ABTS	0.3163	0.3013	0.1947	0.4560	0.2425	0.4200	0.2613	0.1775	0.010	0.09796	30.9764
DPPH	0.1071	0.1128	0.0690	0.1518	0.0800	0.1153	0.0828	0.0353	0.001	0.02870	26.7870
Catechin	0.1549	0.1560	0.0710	0.2440	0.1030	0.2060	0.1730	0.1030	0.004	0.06312	40.7504
Chlorogenic Acid	34.5130	39.6170	21.9590	43.7620	22.0850	40.9160	21.8030	18.8310	89.412	9.45580	27.3978
Gallic Acid	0.4400	0.0000	0.0000	1.3340	0.0000	1.2950	1.3340	1.2950	0.436	0.66009	150.0203
Trans-ferulic Acid	0.0631	0.0550	0.0440	0.1060	0.0470	0.0790	0.0620	0.0320	0.000	0.02177	34.4921

p-coumaric Acid	0.1591	0.0930	0.0590	0.3220	0.0740	0.3110	0.2630	0.2370	0.014	0.11826	74.3239
Procyanidin A2	0.6840	0.4050	0.0910	1.7990	0.1130	1.4130	1.7080	1.3000	0.453	0.67338	98.4468
Procyanidin B1	191.7439	198.1550	119.8440	242.6000	183.5910	203.5110	122.7560	19.9200	1046.543	32.35031	16.8716
Procyanidin B2	136.7447	152.6540	87.3820	174.9510	88.4470	158.4600	87.5690	70.0130	1395.183	37.35215	27.3153
Myricetin	0.1932	0.1460	0.1170	0.3210	0.1200	0.3090	0.2040	0.1890	0.008	0.09154	47.3766
Quercetin	0.0510	0.0480	0.0420	0.0700	0.0450	0.0520	0.0280	0.0070	0.000	0.00929	18.2100
Quercetin-3-D-Glucoside	0.3569	0.3460	0.2070	0.5480	0.2580	0.4850	0.3410	0.2270	0.017	0.13154	36.8570
Catechin	6.1363	4.3120	2.3370	11.9560	2.4190	11.2940	9.6190	8.8750	17.939	4.23548	69.0230
Epicatechin	18.0709	7.2510	3.9070	46.8400	4.2770	40.7130	42.9330	36.4360	351.855	18.75779	103.8011
Epigallocatechin	40.9582	56.4620	8.3410	59.2860	9.5650	58.3840	50.9450	48.8190	576.953	24.01985	58.6448
Phloridzin	1.4590	1.4950	1.1360	1.7230	1.1500	1.6830	0.5870	0.5330	0.062	0.24985	17.1251

Tests of Normality (Spreadsheet2)

Variable	N	max D	K-S	Lilliefors	W	p
Sucrose [g/L]	72	0.114418	p > 0.20	p < 0.05	0.960631	0.023981
Glucose [g/L]	72	0.185802	p < 0.05	p < 0.01	0.908411	0.000068
Fructose [g/L]	72	0.149833	p < 0.10	p < 0.01	0.934818	0.001049
TPC [mg/L]	72	0.128123	p < 0.20	p < 0.01	0.889688	0.000012
TFC [g CE/kg]	72	0.171675	p < 0.05	p < 0.01	0.851545	0.000001
ABTS	72	0.168280	p < 0.05	p < 0.01	0.839362	0.000000
DPPH	72	0.084371	p > 0.20	p > 0.20	0.933606	0.000916
Catechin	72	0.256282	p < 0.01	p < 0.01	0.563673	0.000000
Chlorogenic Acid	72	0.284973	p < 0.01	p < 0.01	0.717063	0.000000
Gallic Acid	72	0.293773	p < 0.01	p < 0.01	0.695815	0.000000
Trans-ferulic Acid	72	0.312129	p < 0.01	p < 0.01	0.564498	0.000000
p-coumaric Acid	72	0.283900	p < 0.01	p < 0.01	0.700182	0.000000
Procyanidin A2	72	0.206438	p < 0.01	p < 0.01	0.750367	0.000000

Procyanidin B1	72	0.301705	$p < 0.01$	$p < 0.01$	0.714667	0.000000
Procyanidin B2	72	0.217433	$p < 0.01$	$p < 0.01$	0.775688	0.000000
Myricetin	72	0.278741	$p < 0.01$	$p < 0.01$	0.798572	0.000000
Quercetin	72	0.364494	$p < 0.01$	$p < 0.01$	0.754117	0.000000
Quercetin-3-D-Glucoside	72	0.201505	$p < 0.01$	$p < 0.01$	0.828172	0.000000
Catechin	72	0.310556	$p < 0.01$	$p < 0.01$	0.455460	0.000000
Epicatechin	72	0.320757	$p < 0.01$	$p < 0.01$	0.556335	0.000000
Epigallocatechin	72	0.269913	$p < 0.01$	$p < 0.01$	0.754751	0.000000
Phloridzin	72	0.259285	$p < 0.01$	$p < 0.01$	0.812247	0.000000

No variable is normally distributed.

Table S2. Statistical analysis according to apple variety.

Kruskal-Wallis ANOVA by Ranks; Sucrose [g/L] 0.0458 (

Depend.: Sucrose [g/L]	Code	Valid	Sum of	Mean
′Ilzer Rosenapfel′	101	9	205.0000	22.77778
′Ivanlija′	102	9	315.0000	35.00000
′Mašanka′	103	9	493.0000	54.77778
′Austrougarka′	104	9	310.0000	34.44444
′Jonagold′	105	9	261.0000	29.00000
′Golden Delicious′	106	9	360.0000	40.00000
′Fuji′	107	9	404.0000	44.88889
′Granny Smith′	108	9	280.0000	31.11111

Kruskal-Wallis ANOVA by Ranks; Glucose [g/L] 0.0000 (

Depend.: Glucose [g/L]	Code	Valid	Sum of	Mean
′Ilzer Rosenapfel′	101	9	252.0000	28.00000
′Ivanlija′	102	9	153.0000	17.00000
′Mašanka′	103	9	288.0000	32.00000
′Austrougarka′	104	9	231.0000	25.66667
′Jonagold′	105	9	279.0000	31.00000
′Golden Delicious′	106	9	387.0000	43.00000
′Fuji′	107	9	567.0000	63.00000
′Granny Smith′	108	9	471.0000	52.33333

Kruskal-Wallis ANOVA by Ranks; Fructose [g/L] 0.0003

Depend.: Fructose [g/L]	Code	Valid	Sum of	Mean
′Ilzer Rosenapfel′	101	9	302.0000	33.55556
′Ivanlija′	102	9	146.0000	16.22222
′Mašanka′	103	9	576.0000	64.00000
′Austrougarka′	104	9	406.0000	45.11111
′Jonagold′	105	9	296.0000	32.88889
′Golden Delicious′	106	9	305.0000	33.88889
′Fuji′	107	9	329.0000	36.55556
′Granny Smith′	108	9	268.0000	29.77778

Kruskal-Wallis ANOVA by Ranks; TPC [mg/L] 0.1603 (S

Depend.: TPC [mg/L]	Code	Valid	Sum of	Mean
′Ilzer Rosenapfel′	101	9	274.5000	30.50000
′Ivanlija′	102	9	244.0000	27.11111
′Mašanka′	103	9	477.0000	53.00000

′Austrougarka′	104	9	347.0000	38.55556
′Jonagold′	105	9	268.5000	29.83333
′Golden Delicious′	106	9	282.0000	31.33333
′Fuji′	107	9	356.0000	39.55556
′Granny Smith′	108	9	379.0000	42.11111

Kruskal-Wallis ANOVA by Ranks; TFC [g CE/kg] 0.0537

Depend.: TFC [g CE/kg]	Code	Valid	Sum of	Mean
′Ilzer Rosenapfel′	101	9	344.5000	38.27778
′Ivanlija′	102	9	378.0000	42.00000
′Mašanka′	103	9	374.0000	41.55556
′Austrougarka′	104	9	424.0000	47.11111
′Jonagold′	105	9	207.0000	23.00000
′Golden Delicious′	106	9	182.0000	20.22222
′Fuji′	107	9	395.5000	43.94444
′Granny Smith′	108	9	323.0000	35.88889

Kruskal-Wallis ANOVA by Ranks; ABTS (Spread 0.0043

Depend.: ABTS	Code	Valid	Sum of	Mean
′Ilzer Rosenapfel′	101	9	259.5000	28.83333
′Ivanlija′	102	9	219.5000	24.38889
′Mašanka′	103	9	478.0000	53.11111
′Austrougarka′	104	9	363.5000	40.38889
′Jonagold′	105	9	193.0000	21.44444
′Golden Delicious′	106	9	266.5000	29.61111
′Fuji′	107	9	442.5000	49.16667
′Granny Smith′	108	9	405.5000	45.05556

Kruskal-Wallis ANOVA by Ranks; DPPH 0.0002

Depend.: DPPH	Code	Valid	Sum of	Mean
′Ilzer Rosenapfel′	101	9	309.0000	34.33333
′Ivanlija′	102	9	173.5000	19.27778
′Mašanka′	103	9	589.0000	65.44444
′Austrougarka′	104	9	395.0000	43.88889
′Jonagold′	105	9	219.5000	24.38889
′Golden Delicious′	106	9	278.0000	30.88889
′Fuji′	107	9	351.0000	39.00000
′Granny Smith′	108	9	313.0000	34.77778

Kruskal-Wallis ANOVA by Ranks; Catechin 0.0000

				(Spre
Depend.: Catechin	Code	Valid	Sum of	Mean
′Ilzer Rosenapfel′	101	9	385.0000	42.77778
′Ivanlija′	102	9	121.5000	13.50000
′Mašanka′	103	9	566.0000	62.88889
′Austrougarka′	104	9	551.0000	61.22222
′Jonagold′	105	9	174.0000	19.33333
′Golden Delicious′	106	9	312.0000	34.66667
′Fuji′	107	9	401.0000	44.55556
′Granny Smith′	108	9	117.5000	13.05556

Kruskal-Wallis ANOVA by Ranks; Chlorogenic				0.0000
				Ac
Depend.: Chlorogenic Acid	Code	Valid	Sum of	Mean
′Ilzer Rosenapfel′	101	9	232.0000	25.77778
′Ivanlija′	102	9	135.0000	15.00000
′Mašanka′	103	9	612.0000	68.00000
′Austrougarka′	104	9	389.0000	43.22222
′Jonagold′	105	9	260.0000	28.88889
′Golden Delicious′	106	9	360.0000	40.00000
′Fuji′	107	9	441.0000	49.00000
′Granny Smith′	108	9	199.0000	22.11111

Kruskal-Wallis ANOVA by Ranks; Gallic Acid				0.0811
				(Sp
Depend.: Gallic Acid	Code	Valid	Sum of	Mean
′Ilzer Rosenapfel′	101	9	336.5000	37.38889
′Ivanlija′	102	9	430.5000	47.83333
′Mašanka′	103	9	324.0000	36.00000
′Austrougarka′	104	9	298.5000	33.16667
′Jonagold′	105	9	382.5000	42.50000
′Golden Delicious′	106	9	166.5000	18.50000
′Fuji′	107	9	380.5000	42.27778
′Granny Smith′	108	9	309.0000	34.33333

Kruskal-Wallis ANOVA by Ranks; Trans-ferulic				0.0002
				A
Depend.: Trans-ferulic Acid	Code	Valid	Sum of	Mean
′Ilzer Rosenapfel′	101	9	222.0000	24.66667
′Ivanlija′	102	9	353.0000	39.22222
′Mašanka′	103	9	568.0000	63.11111

´Austrougarka´	104	9	387.5000	43.05556
´Jonagold´	105	9	207.0000	23.00000
´Golden Delicious´	106	9	182.0000	20.22222
´Fuji´	107	9	371.0000	41.22222
´Granny Smith´	108	9	337.5000	37.50000

Kruskal-Wallis ANOVA by Ranks; p-coumaric Aci 0.0000

Depend.: p-coumaric Acid	Code	Valid	Sum of	Mean
´Ilzer Rosenapfel´	101	9	332.0000	36.88889
´Ivanlija´	102	9	253.5000	28.16667
´Mašanka´	103	9	558.0000	62.00000
´Austrougarka´	104	9	417.0000	46.33333
´Jonagold´	105	9	236.5000	26.27778
´Golden Delicious´	106	9	105.0000	11.66667
´Fuji´	107	9	265.0000	29.44444
´Granny Smith´	108	9	461.0000	51.22222

Kruskal-Wallis ANOVA by Ranks; Procyanidin A2 0.0435

Depend.: Procyanidin A2	Code	Valid	Sum of	Mean
´Ilzer Rosenapfel´	101	9	317.5000	35.27778
´Ivanlija´	102	9	235.0000	26.11111
´Mašanka´	103	9	413.0000	45.88889
´Austrougarka´	104	9	360.0000	40.00000
´Jonagold´	105	9	463.0000	51.44444
´Golden Delicious´	106	9	379.0000	42.11111
´Fuji´	107	9	236.5000	26.27778
´Granny Smith´	108	9	224.0000	24.88889

Kruskal-Wallis ANOVA by Ranks; Procyanidin B1 0.0000

Depend.: Procyanidin B1	Code	Valid	Sum of	Mean
´Ilzer Rosenapfel´	101	9	304.0000	33.77778
´Ivanlija´	102	9	70.0000	7.77778
´Mašanka´	103	9	484.0000	53.77778
´Austrougarka´	104	9	288.0000	32.00000
´Jonagold´	105	9	171.0000	19.00000
´Golden Delicious´	106	9	310.0000	34.44444
´Fuji´	107	9	392.0000	43.55556
´Granny Smith´	108	9	609.0000	67.66667

Kruskal-Wallis ANOVA by Ranks; Procyanidin 0.0000

Depend.: Procyanidin B2	Code	Valid	Sum of	Mean B2
´Ilzer Rosenapfel´	101	9	261.0000	29.00000
´Ivanlija´	102	9	68.0000	7.55556
´Mašanka´	103	9	508.0000	56.44444
´Austrougarka´	104	9	384.0000	42.66667
´Jonagold´	105	9	255.0000	28.33333
´Golden Delicious´	106	9	314.0000	34.88889
´Fuji´	107	9	266.0000	29.55556
´Granny Smith´	108	9	572.0000	63.55556

Kruskal-Wallis ANOVA by Ranks; Myricetin (Spre 0.0003

Depend.: Myricetin	Code	Valid	Sum of	Mean
´Ilzer Rosenapfel´	101	9	214.5000	23.83333
´Ivanlija´	102	9	162.5000	18.05556
´Mašanka´	103	9	436.0000	48.44444
´Austrougarka´	104	9	229.5000	25.50000
´Jonagold´	105	9	479.0000	53.22222
´Golden Delicious´	106	9	429.5000	47.72222
´Fuji´	107	9	255.5000	28.38889
´Granny Smith´	108	9	421.5000	46.83333

Kruskal-Wallis ANOVA by Ranks; Quercetin (Spr 0.0000

Depend.: Quercetin	Code	Valid	Sum of	Mean
´Ilzer Rosenapfel´	101	9	549.5000	61.05556
´Ivanlija´	102	9	193.5000	21.50000
´Mašanka´	103	9	488.0000	54.22222
´Austrougarka´	104	9	285.0000	31.66667
´Jonagold´	105	9	193.5000	21.50000
´Golden Delicious´	106	9	193.5000	21.50000
´Fuji´	107	9	193.5000	21.50000
´Granny Smith´	108	9	531.5000	59.05556

Kruskal-Wallis ANOVA by Ranks; Quercetin-3-D- 0.0000

Depend.: Quercetin-3-D-Gl	Code	Valid	Sum of	Mean
´Ilzer Rosenapfel´	101	9	218.5000	24.27778
´Ivanlija´	102	9	199.0000	22.11111
´Mašanka´	103	9	585.0000	65.00000
´Austrougarka´	104	9	407.5000	45.27778

´Jonagold´	105	9	234.0000	26.00000
´Golden Delicious´	106	9	277.0000	30.77778
´Fuji´	107	9	277.0000	30.77778
´Granny Smith´	108	9	430.0000	47.77778

Kruskal-Wallis ANOVA by Ranks; Catechin (Spre 0.0000

Depend.: Catechin	Code	Valid	Sum of	Mean
´Ilzer Rosenapfel´	101	9	275.0000	30.55556
´Ivanlija´	102	9	120.0000	13.33333
´Mašanka´	103	9	574.0000	63.77778
´Austrougarka´	104	9	388.0000	43.11111
´Jonagold´	105	9	229.0000	25.44444
´Golden Delicious´	106	9	207.0000	23.00000
´Fuji´	107	9	348.0000	38.66667
´Granny Smith´	108	9	487.0000	54.11111

Kruskal-Wallis ANOVA by Ranks; Epicatechin (S 0.0000

Depend.: Epicatechin	Code	Valid	Sum of	Mean
´Ilzer Rosenapfel´	101	9	341.0000	37.88889
´Ivanlija´	102	9	234.0000	26.00000
´Mašanka´	103	9	520.0000	57.77778
´Austrougarka´	104	9	363.0000	40.33333
´Jonagold´	105	9	162.0000	18.00000
´Golden Delicious´	106	9	189.0000	21.00000
´Fuji´	107	9	279.0000	31.00000
´Granny Smith´	108	9	540.0000	60.00000

Kruskal-Wallis ANOVA by Ranks; Epigallo-catech 0.0000

Depend.: Epigallocatechin	Code	Valid	Sum of	Mean
´Ilzer Rosenapfel´	101	9	333.0000	37.00000
´Ivanlija´	102	9	179.0000	19.88889
´Mašanka´	103	9	572.0000	63.55556
´Austrougarka´	104	9	422.0000	46.88889
´Jonagold´	105	9	196.5000	21.83333
´Golden Delicious´	106	9	164.0000	18.22222
´Fuji´	107	9	268.5000	29.83333
´Granny Smith´	108	9	493.0000	54.77778

Kruskal-Wallis ANOVA by Ranks; Phloridzin 0.0000

Depend.: Phloridzin	Code	Valid	Sum of	(Spr Mean
′Ilzer Rosenapfel′	101	9	538.0000	59.77778
′Ivanlija′	102	9	77.0000	8.55556
′Mašanka′	103	9	557.0000	61.88889
′Austrougarka′	104	9	312.0000	34.66667
′Jonagold′	105	9	169.5000	18.83333
′Golden Delicious′	106	9	290.0000	32.22222
′Fuji′	107	9	471.0000	52.33333
′Granny Smith′	108	9	213.5000	23.72222