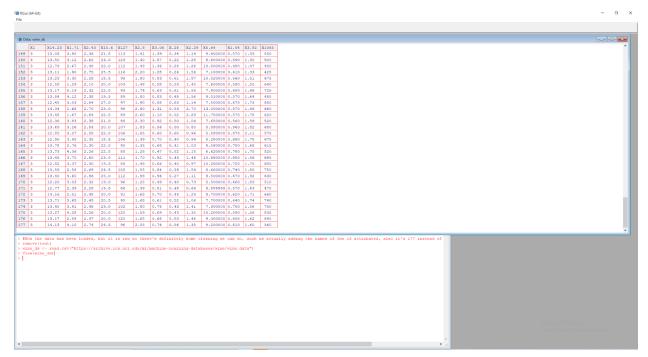
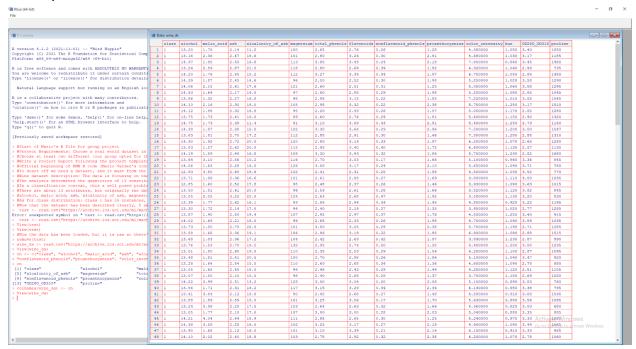


Note: It's obviously a lot of instances, so I couldn't get a full screen, but the other classes (class 1 + 2) can be scrolled above (1st output)

2nd output: Testing new name of wine ds, prefer it over generic "test"



3rd output: Now with named attributes



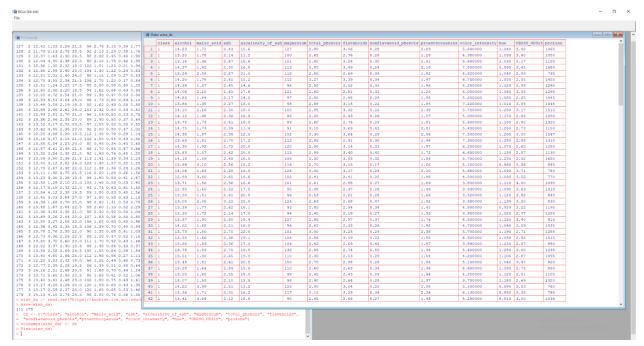
4th outputs: 14 total columns, 178 entries

RGui (64-bit) - a ×

	P Data: wine_ds													
	class	alcohol	malic acid	ash	alcalinity of ash	magnesium	total phenols	flavanoids	nonflavanoid phenols	proanthocyanins	color intensity	hue	OD280 OD315	proline
43 1.53 2.29 21.5 86 2.74 3.15 0.39 1.7 79 2.13 2.78 28.5 92 2.13 2.24 0.58 1.7		12.25	4.72	2.54	21.0	89	1.38	0.47	0.53	0.80	3.850000	0.750	1.27	720
37 1.63 2.30 24.5 88 2.22 2.45 0.40 1.9		12.53	5.51	2.64	25.0	96	1.79	0.60	0.63	1.10	5.000000	0.820	1.69	515
04 4.30 2.38 22.0 80 2.10 1.75 0.42 1.3		13.49	3.59	2.19	19.5	88	1.62	0.48	0.58	0.88	5.700000	0.810	1.82	580
86 1.35 2.32 18.0 122 1.51 1.25 0.21 0.9		12.84	2.96	2.61	24.0	101	2.32	0.60	0.53	0.81	4.920000	0.890	2.15	590
88 2.99 2.40 20.0 104 1.30 1.22 0.24 0.8		12.93	2.81	2.70	21.0					0.75	4.600000	0.770	2.31	600
81 2.31 2.40 24.0 98 1.15 1.09 0.27 0.8		13.36	2.56	2.35	20.0					0.64	5.600000	0.700	2.47	780
70 3.55 2.36 21.5 106 1.70 1.20 0.17 0.8 51 1.24 2.25 17.5 85 2.00 0.58 0.60 1.2		13.52	3.17	2.72	23.5					0.55	4.350000	0.890	2.06	520
60 2.46 2.20 18.5 94 1.62 0.66 0.63 0.9					20.0					1.02		0.890	2.06	550
25 4.72 2.54 21.0 89 1.38 0.47 0.53 0.8	111 3	13.62	4.95	2.35							4.400000			
53 5.51 2.64 25.0 96 1.79 0.60 0.63 1.1		12.25	3.88	2.20	18.5					1.14	8.210000	0.650	2.00	855
49 3.59 2.19 19.5 88 1.62 0.48 0.58 0.8		13.16	3.57	2.15	21.0					1.30	4.000000	0.600	1.68	830
84 2.96 2.61 24.0 101 2.32 0.60 0.53 0.8		13.88	5.04	2.23	20.0					0.68	4.900000	0.580	1.33	415
93 2.81 2.70 21.0 96 1.54 0.50 0.53 0.7 36 2.56 2.35 20.0 89 1.40 0.50 0.37 0.6	110 3	12.87	4.61	2.48	21.5					0.86	7.650000	0.540	1.86	625
52 3.17 2.72 23.5 97 1.55 0.52 0.50 0.5		13.32	3.24	2.38	21.5				0.45	1.25	8.420000	0.550	1.62	650
62 4.95 2.35 20.0 92 2.00 0.80 0.47 1.0		13.08	3.90	2.36	21.5	113	1.41	1.39	0.34	1.14	9.400000	0.570	1.33	550
25 3.88 2.20 18.5 112 1.38 0.78 0.29 1.1		13.50	3.12	2.62	24.0	123	1.40	1.57	0.22	1.25	8.600000	0.590	1.30	500
16 3.57 2.15 21.0 102 1.50 0.55 0.43 1.3		12.79	2.67	2.48	22.0	112	1.48	1.36	0.24	1.26	10.800000	0.480	1.47	480
88 5.04 2.23 20.0 80 0.98 0.34 0.40 0.6		13.11	1.90	2.75	25.5	116	2.20	1.28	0.26	1.56	7.100000	0.610	1.33	425
87 4.61 2.48 21.5 86 1.70 0.65 0.47 0.8 32 3.24 2.38 21.5 92 1.93 0.76 0.45 1.2		13.23	3.30	2.28	18.5						10.520000	0.560	1.51	675
08 3.90 2.36 21.5 113 1.41 1.39 0.34 1.1		12.58	1.29	2.10	20.0					1.40	7,600000	0.580	1.55	640
50 3.12 2.62 24.0 123 1.40 1.57 0.22 1.2		13,17	5.19	2.32	22.0					1.55	7.900000	0.600	1.48	725
79 2.67 2.48 22.0 112 1.48 1.36 0.24 1.2	157 3	13.84	4.12	2.38	19.5					1.56	9.010000	0.570	1.64	480
11 1.90 2.75 25.5 116 2.20 1.28 0.26 1.5														
3 3.30 2.28 18.5 98 1.80 0.83 0.61 1.8		12.45	3.03	2.64	27.0					1.14	7.500000	0.670	1.73	880
1.29 2.10 20.0 103 1.48 0.58 0.53 1.4 5.19 2.32 22.0 93 1.74 0.63 0.61 1.5		14.34	1.68	2.70	25.0						13.000000	0.570	1.96	
4.12 2.38 19.5 89 1.80 0.83 0.48 1.5	100 3	13.48	1.67	2.64	22.5						11.750000	0.570	1.78	620
5 3.03 2.64 27.0 97 1.90 0.58 0.63 1.1	161 3	12.36	3.83	2.38	21.0					1.04	7.650000	0.560	1.58	520
1.68 2.70 25.0 98 2.80 1.31 0.53 2.7		13.69	3.26	2.54	20.0					0.80	5.880000	0.960	1.82	680
8 1.67 2.64 22.5 89 2.60 1.10 0.52 2.2		12.85	3.27	2.58	22.0	106	1.65	0.60	0.60	0.96	5.580000	0.870	2.11	570
36 3.83 2.38 21.0 88 2.30 0.92 0.50 1.0 69 3.26 2.54 20.0 107 1.83 0.56 0.50 0.8		12.96	3.45	2.35	18.5	106	1.39	0.70	0.40	0.94	5.280000	0.680	1.75	675
85 3.27 2.58 22.0 106 1.65 0.60 0.60 0.9		13.78	2.76	2.30	22.0	90	1.35	0.68	0.41	1.03	9.580000	0.700	1.68	615
6 3.45 2.35 18.5 106 1.39 0.70 0.40 0.9		13.73	4.36	2.26	22.5	88	1.28	0.47	0.52	1.15	6.620000	0.780	1.75	520
8 2.76 2.30 22.0 90 1.35 0.68 0.41 1.0	167 3	13.45	3.70	2.60	23.0	111	1.70	0.92	0.43	1.46	10.680000	0.850	1.56	695
4.36 2.26 22.5 88 1.28 0.47 0.52 1.1		12.82	3.37	2.30	19.5	88	1.48	0.66	0.40	0.97	10.260000	0.720	1.75	685
5 3.70 2.60 23.0 111 1.70 0.92 0.43 1.4		13.58	2,58	2.69	24.5	105	1.55	0.84	0.39	1.54	8.660000	0.740	1.80	750
82 3.37 2.30 19.5 88 1.48 0.66 0.40 0.9 58 2.58 2.69 24.5 105 1.55 0.84 0.39 1.5		13,40	4,60	2.86						1.11	8.500000	0.670	1.92	630
4.60 2.86 25.0 112 1.98 0.96 0.27 1.1		12.20	3.03	2.32	19.0					0.73	5.500000	0.660	1.83	510
0 3.03 2.32 19.0 96 1.25 0.49 0.40 0.7		12.77	2.39	2.28	19.5					0.64	9.899999	0.570	1.63	470
7 2.39 2.28 19.5 86 1.39 0.51 0.48 0.6	172 3	14.16	2.51	2.48	20.0					1.24	9.700000	0.620	1.63	660
5 2.51 2.48 20.0 91 1.68 0.70 0.44 1.2														
5.65 2.45 20.5 95 1.68 0.61 0.52 1.0		13.71	5.65	2.45	20.5					1.06	7.700000	0.640	1.74	740
3.91 2.48 23.0 102 1.80 0.75 0.43 1.4 4.28 2.26 20.0 120 1.59 0.69 0.43 1.3		13.40	3.91	2.48	23.0					1.41	7.300000	0.700	1.56	750
4.28 2.26 20.0 120 1.59 0.69 0.43 1.3 2.59 2.37 20.0 120 1.65 0.68 0.53 1.4	170 3	13.27	4.28	2.26							10.200000	0.590	1.56	835
4.10 2.74 24.5 96 2.05 0.76 0.56 1.3		13.17	2.59	2.37	20.0					1.46	9.300000	0.600	1.62	840
read.csv("https://archive.ics.uci.edu		14.13	4.10	2.74	24.5	96	2.05	0.76	0.56	1.35	9.200000	0.610	1.60	560
e_ds)														
("class", "alcohol", "malic_acid", "ash" wanoid phenols", "proanthocyanins", "colo	"alcalinity_	of_ash",	"magnesium"	, "tota	l_phenols", "flavar	noids",								
vanoid_phenois","proanthocyanins", "colo (wine ds) <- cn	_intensity",	-nae-, "C	D200_OD315**	, "prol	ine-)									
da)														

RGui (64-	-bit)			- 0	×

	Tata: wine_d:													
		alcohol	malic acid	ash	alcalinity of ash	magnesium	total phenols	flavanoids	nonflavanoid phenols	proanthocvaning	color intensity	hue	OD280 OD315	proline
2 12.43 1.53 2.29 21.5 86 2.74 3.15 0.39 1.77	49 1	14,10	2,02	2,40	18.8			2,92	0.32	2.38	6,200000	1.070		1060
2 11.79 2.13 2.78 28.5 92 2.13 2.24 0.58 1.76								3.54						1260
2 12.37 1.63 2.30 24.5 88 2.22 2.45 0.40 1.90	50 1	13.94		2.27						2.08	8.900000	1.120	3.10	
2 12.04 4.30 2.38 22.0 80 2.10 1.75 0.42 1.35	51 1	13.05	1.73	2.04	12.4	92	2.72	3.27	0.17	2.91	7.200000	1.120	2.91	1150
3 12.86 1.35 2.32 18.0 122 1.51 1.25 0.21 0.94	52 1	13.83	1.65	2.60	17.2	94	2.45	2.99	0.22	2.29	5.600000	1.240	3.37	1265
3 12.88 2.99 2.40 20.0 104 1.30 1.22 0.24 0.83	53 1	13.82	1.75	2.42	14.0	111	3.88	3.74	0.32	1.87	7.050000	1.010	3.26	1190
3 12.81 2.31 2.40 24.0 98 1.15 1.09 0.27 0.83			1,90	2,68				2.79						1375
3 12.70 3.55 2.36 21.5 106 1.70 1.20 0.17 0.84	54 1	13.77								1.68	6.300000	1.130		
3 12.51 1.24 2.25 17.5 85 2.00 0.58 0.60 1.25	55 1	13.74	1.67	2.25	16.4	118	2.60	2.90	0.21	1.62	5.850000	0.920	3.20	1060
3 12.60 2.46 2.20 18.5 94 1.62 0.66 0.63 0.94	56 1	13.56	1.73	2.46	20.5	116	2.96	2.78	0.20	2.45	6.250000	0.980	3.03	1120
3 12.25 4.72 2.54 21.0 89 1.38 0.47 0.53 0.80	57 1	14.22	1.70	2.30	16.3	118	3.20	3.00	0.26	2.03	6.380000	0.940	3.31	970
3 12.53 5.51 2.64 25.0 96 1.79 0.60 0.63 1.10	58 1	13,29		2,68				3,23		1.66	6,000000	1.070		1270
3 13.49 3.59 2.19 19.5 88 1.62 0.48 0.58 0.88														
3 12.84 2.96 2.61 24.0 101 2.32 0.60 0.53 0.81	59 1	13.72	1.43	2.50				3.67		2.04	6.800000	0.890		1285
3 12.93 2.81 2.70 21.0 96 1.54 0.50 0.53 0.75	60 2	12.37	0.94	1.36	10.6	88	1.98	0.57	0.28	0.42	1.950000	1.050	1.82	520
3 13.36 2.56 2.35 20.0 89 1.40 0.50 0.37 0.64	61 2	12.33	1.10	2.28	16.0	101	2.05	1.09	0.63	0.41	3.270000	1.250	1.67	680
3 13.52 3.17 2.72 23.5 97 1.55 0.52 0.50 0.55	62 2	12.64		2.02				1.41		0.62	5.750000	0.980		450
3 13.62 4.95 2.35 20.0 92 2.00 0.80 0.47 1.02														
3 12.25 3.88 2.20 18.5 112 1.38 0.78 0.29 1.14	63 2	13.67		1.92	18.0			1.79		0.73	3.800000	1.230		630
3 13.16 3.57 2.15 21.0 102 1.50 0.55 0.43 1.30 3 13.88 5.04 2.23 20.0 80 0.98 0.34 0.40 0.68	64 2	12.37	1.13	2.16	19.0	87	3.50	3.10	0.19	1.87	4.450000	1.220	2.87	420
	65 2	12.17	1.45	2.53	19.0	104	1.89	1.75	0.45	1.03	2.950000	1.450	2.23	355
3 12.87 4.61 2.48 21.5 86 1.70 0.65 0.47 0.86 3 13.32 3.24 2.38 21.5 92 1.93 0.76 0.45 1.25	66 2	12.37	1.21	2.56	18.1	98	2.42	2.65		2.08	4.600000	1.190		678
3 13.32 3.24 2.38 21.5 92 1.93 0.76 0.45 1.25 3 13.08 3.90 2.36 21.5 113 1.41 1.39 0.34 1.14	67 2	13.11		1.70	15.0			3.18		2.28	5.300000			502
3 13.50 3.12 2.62 24.0 123 1.40 1.57 0.22 1.25												1.120		
3 12.79 2.67 2.48 22.0 112 1.48 1.36 0.24 1.26	68 2	12.37	1.17	1.92	19.6	78	2.11	2.00	0.27	1.04	4.680000	1.120	3.48	510
3 13.11 1.90 2.75 25.5 116 2.20 1.28 0.26 1.56	69 2	13.34	0.94	2.36	17.0	110	2.53	1.30	0.55	0.42	3.170000	1.020	1.93	750
3 13.23 3.30 2.28 18.5 98 1.80 0.83 0.61 1.87	70 2	12.21	1.19	1.75	16.8	151	1.85	1.28	0.14	2.50	2.850000	1.280	3.07	718
3 13.23 3.30 2.28 18.5 98 1.80 0.83 0.61 1.87 3 12.58 1.29 2.10 20.0 103 1.48 0.58 0.53 1.40	71 2	12.29		2.21				1.02		1.46	3.050000	0.906		870
3 13.17 5.19 2.32 22.0 93 1.74 0.63 0.61 1.55														
3 13.84 4.12 2.38 19.5 89 1.80 0.83 0.48 1.56	72 2	13.86		2.67	25.0			2.86		1.87	3.380000	1.360	3.16	410
3 12.45 3.03 2.64 27.0 97 1.90 0.58 0.63 1.14	73 2	13.49	1.66	2.24	24.0	87	1.88	1.84	0.27	1.03	3.740000	0.980	2.78	472
3 14.34 1.68 2.70 25.0 98 2.80 1.31 0.53 2.70	74 2	12.99	1.67	2.60	30.0	139	3.30	2.89	0.21	1.96	3.350000	1.310	3.50	985
3 13.48 1.67 2.64 22.5 89 2.60 1.10 0.52 2.29	75 2	11.96		2.30				2.14		1.65	3.210000	0.990		886
3 12.36 3.83 2.38 21.0 88 2.30 0.92 0.50 1.04														
3 13.69 3.26 2.54 20.0 107 1.83 0.56 0.50 0.80	76 2	11.66	1.88	1.92	16.0			1.57		1.15	3.800000	1.230		428
3 12.85 3.27 2.58 22.0 106 1.65 0.60 0.60 0.96	77 2	13.03	0.90	1.71	16.0	86	1.98	2.03	0.24	1.46	4.600000	1.190	2.48	392
3 12.96 3.45 2.35 18.5 106 1.39 0.70 0.40 0.94	78 2	11.84	2.89	2.23	18.0	112	1.72	1.32	0.43	0.95	2.650000	0.960	2.52	500
3 13.78 2.76 2.30 22.0 90 1.35 0.68 0.41 1.03	79 2	12.33	0.99	1.95	14.8	136	1.90	1.85	0.35	2.76	3.400000	1.060	2.31	750
3 13.73 4.36 2.26 22.5 88 1.28 0.47 0.52 1.15														
13.45 3.70 2.60 23.0 111 1.70 0.92 0.43 1.46	80 2	12.70		2.40				2.55		1.95	2.570000	1.190		463
3 12.82 3.37 2.30 19.5 88 1.48 0.66 0.40 0.97	81 2	12.00	0.92	2.00	19.0	86	2.42	2.26	0.30	1.43	2.500000	1.380	3.12	278
3 13.58 2.58 2.69 24.5 105 1.55 0.84 0.39 1.54	82 2	12.72	1.81	2.20	18.8	86	2.20	2.53	0.26	1.77	3.900000	1.160	3.14	714
3 13.40 4.60 2.86 25.0 112 1.98 0.96 0.27 1.11	83 2	12.08	1.13	2.51	24.0	78	2.00	1.58	0.40	1.40	2.200000	1.310	2.72	630
12.20 3.03 2.32 19.0 96 1.25 0.49 0.40 0.73	84 2	13.05		2.32	22.5			1.59		1.62	4.800000	0.840		515
12.77 2.39 2.28 19.5 86 1.39 0.51 0.48 0.64														
3 14.16 2.51 2.48 20.0 91 1.68 0.70 0.44 1.24	85 2	11.84		2.58	18.0			2.21		2.35	3.050000	0.790		520
13.71 5.65 2.45 20.5 95 1.68 0.61 0.52 1.06	86 2	12.67	0.98	2.24	18.0	99	2.20	1.94	0.30	1.46	2.620000	1.230	3.16	450
13.40 3.91 2.48 23.0 102 1.80 0.75 0.43 1.41	87 2	12.16	1.61	2.31	22.8	90	1.78	1.69	0.43	1.56	2,450000	1.330	2.26	495
3 13.27 4.28 2.26 20.0 120 1.59 0.69 0.43 1.35	88 2	11.65		2,62	26.0			1.61		1.34	2.600000	1.360		562
13.17 2.59 2.37 20.0 120 1.65 0.68 0.53 1.46														
14.13 4.10 2.74 24.5 96 2.05 0.76 0.56 1.35	89 2	11.64	2.06	2.46	21.6			1.69	0.48	1.35	2.800000	1.000	2.75	680
ds <- read.csv("https://archive.ics.uci.edu/s	90 2	12.08	1.33	2.30	23.6	70	2.20	1.59	0.42	1.38	1.740000	1.070	3.21	625
ow(wine ds)														
178														
n <- c("class", "alcohol", "malic acid", "ash",	"alcalinity	of ash",	"magnesium"	, "total	phenols", "flavar	oids",								
nonflavanoid phenols", "proanthocyanins", "color	intensity",	"hue", "c	D280 OD315**	"proli	ne")									
lnames(wine ds) <- cn														
ew(wine ds)														



## 5th output: plot(wine\_ds)

