txtplot examples in R
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# Example of txtplot output that will be readable both in the
# script and in report together with all the graphs:

This function can print text or dataframes on a separate graphsheet or on an existing graph. The main idea behind the function is to add experimental or analytical details (=text) on separate 'graphs' in between the real xy-graphs. When everything is exported to pdf or PowerPoint, we both have explanations and graphs in the same document. At the same time, we can easily read the text in the script. Hence this function should facilitate improved documentation. This is kind of a simple way of literate programming.

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# We first fitted this model to the date:
# response ~ dose + dose^2

# and this resulted in...

Demonstration of how to combine text and dataframes with some control over resolution or number of significant digits being printed. First, default:

id	Х	У	dose.Gy	response.counts
Siemens	1	1	0.00428571171472506	592.478185374484
Volvo 100	2	2	-0.00290654651449415	-1015.41467956409
Varian EX21	3	3	-0.0193976018009943	-2127.82658849549
Varian EX21	4	4	0.00108336232910183	-509.22672999299
Varian EX21	5	5	-0.0105070689508685	182.549040017508

Then use the pretty-function with five significant digits for all numerical columns:

id	Х	У	dose.Gy	response.counts
Siemens	1	1	0.0042857	592.48
Volvo 100	2	2	-0.0029065	-1015.4
Varian EX21	3	3	-0.019398	-2127.8
Varian EX21	4	4	0.0010834	-509.23
Varian EX21	5	5	-0.010507	182.55

And finally a print with individual rounding for specificcolumns:

id	X	У	dose.Gy	response.counts
Siemens	1.0	1.0	0.004286	592.5
Volvo 100	2.0	2.0	-0.002907	-1015.4
Varian EX21	3.0	3.0	-0.019398	-2127.8
Varian EX21	4.0	4.0	0.001083	-509.2
Varian EX21	5.0	5.0	-0.010507	182.5

The main results calculated with RnMod3d.pas or some other codes:

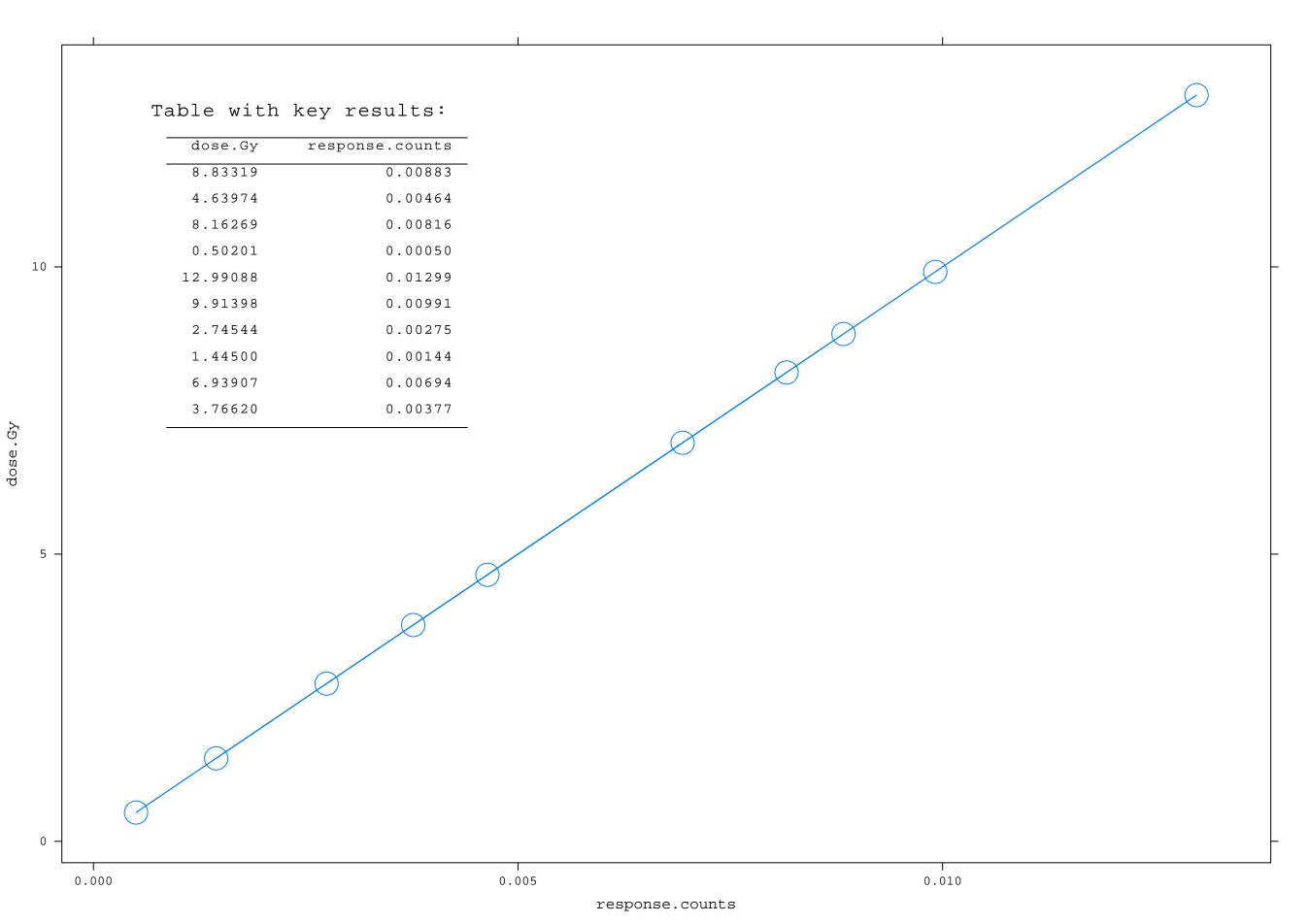
X	У	name
1	-0.84	Hi there
2	-1	Hi there
3	-0.6	Hi there
4	-1.1	Hi there
5	-0.11	Hi there

Demonstration of how to print a long table (70 lines):

id	х	У	dose.Gy	response.counts	no
Volvo 100	1	1	-0.02317	28.793	1
Varian EX21	2	2	0.0059628	584.55	2
Volvo 100	3	3	-0.0063558	-1046.8	3
Volvo 100	4	4	0.0022482	-81.395	4
Varian EX21	5	5	-0.01178	1528.5	5
Volvo 100	6	6	-0.0061888	-6.7026	6
Volvo 100	7	7	-0.016271	-696.41	7
Volvo 100	8	8	-0.0086635	-1713.7	8
Varian EX21	9	9	-0.014218	-11.991	9
Varian EX21	10	10	0.0077773	-83.612	10
Siemens	11	11	0.0069276	69.973	11
Siemens	12	12	-0.013722	-760.65	12
Volvo 100	13	13	-0.0055325	-463.66	13
Volvo 100	14	14	0.0033879	857.06	14
Volvo 100	15	15	-0.012128	-219.77	15
Volvo 100	16	16	-0.0097926	-872.34	16
Siemens	17	17	-0.018482	-613.3	17
Volvo 100	18	18	-0.010212	2076.4	18
Siemens	19	19	-0.0082215	-646.24	19
Volvo 100	20	20	0.0049242	-390.61	20
Varian EX21	21	21	-0.0012065	-177.79	21
Varian EX21	22	22	-0.0060454	178.7	22
Siemens	23	23	0.0053202	-897.65	23
Volvo 100	24	24	0.0068606	1946.4	24
Siemens	25	25	-0.0069956	-821.36	25
Siemens	26	26	0.018495	-1006.8	26
Volvo 100	27	27	-0.012689	-70.557	27
Varian EX21	28	28	-0.00098495	695.33	28
Siemens	29	29	-0.0055559	-578.41	29
Volvo 100	30	30	0.016296	-1867.4	30
Volvo 100	31	31	0.0069045	659.5	31

Volvo 100	32	32	-0.0098889	-792.95	32
Siemens	33	33	-0.00023018	28.272	33
Volvo 100	34	34	0.011725	-623.15	34
Siemens	35	35	0.005192	-1391	35
Varian EX21	36	36	-0.017712	1463.7	36
Varian EX21	37	37	0.0034426	-806.68	37
Varian EX21	38	38	-0.0033496	-987.57	38
Siemens	39	39	-0.00048396	-1300	39
Volvo 100	40	40	-0.0062446	-1208.5	40
Varian EX21	41	41	-0.014027	940.13	41
Varian EX21	42	42	-0.0066659	-1172.1	42
Siemens	43	43	-0.0026061	-521.56	43
Siemens	44	44	-0.0034018	397.69	44
Siemens	45	45	-0.0016181	177.95	45
Volvo 100	46	46	0.019215	194.78	46
Varian EX21	47	47	0.00089692	315	47
Varian EX21	48	48	-0.0042984	-183.88	48
Varian EX21	49	49	0.00041979	-3153.9	49
Varian EX21	50	50	-0.00068924	273.69	50
Volvo 100	51	51	-0.00026737	373.88	51
Siemens	52	52	-2.317e-05	139.76	52
Siemens	53	53	-0.0069607	-2513.2	53
Siemens	5 4	54	-0.013388	1015.3	54
Volvo 100	55	55	0.00721	-1666.8	55
Varian EX21	56	56	0.00093952	45.411	56
Siemens	57	57	0.00030226	106.3	57
Siemens	58	58	0.022882	-741.94	58
Varian EX21	59	59	-0.0066967	-403.59	59
Siemens	60	60	0.0070284	-608.96	60
Volvo 100	61	61	0.013029	-3030.2	61
Volvo 100	62	62	-0.00017365	-550.83	62
Siemens	63	63	-0.011224	-780.05	63
Siemens	64	64	-0.0089335	376.62	64

Siemens	65	65	-0.0094717	-1001.2	65
Siemens	66	66	0.0030103	692.12	66
Volvo 100	67	67	-0.0045465	-849.66	67
Volvo 100	68	68	-0.012191	-280.6	68
Siemens	69	69	-0.012923	37.008	69
Varian EX21	70	70	0.0081936	72.516	70



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End of txtplot demonstration (scroll back to see plots)
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