report

February 27, 2016

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Table 1: a listing

sex	day	statistic	income tip	income Total Bill
Female	Thur	Ntot	32	32
		N	32	32
		Nmiss	0	0
		Mean	2.58	16.72
		Median	2.00	13.79
		SD	1.11	7.76
		Min	1.25	8.35
		Max	5.17	43.11
		90% CLM	2.24 - 2.91	14.39 - 19.04
	Fri	Ntot	9	9
		N	9	9
		Nmiss	0	0
		Mean	2.78	14.15
		Median	3.00	15.38
		SD	0.94	4.79
		Min	1.00	5.75
		Max	4.30	22.75
		90% CLM	2.20 - 3.36	11.18 - 17.11
	Sat	Ntot	28	28
		N	28	28
		Nmiss	0	0
		Mean	2.80	19.68
		Median	2.62	18.36
		SD	1.23	8.81
		Min	1.00	3.07
		Max	6.50	44.30
		90% CLM	2.40 - 3.20	16.85 - 22.52
	Sun	Ntot	18	18
		N	18	18
		Nmiss	0	0
		Mean	3.37	19.87
		Median	3.50	17.41
		SD	1.14	7.84
		Min	1.01	9.60
		Max	5.20	35.26
		90% CLM	2.90 - 3.83	16.66 - 23.09
Male	Thur	Ntot	30	30
		N	30	30

a footnote

Table 1: a listing, cont'd

| sex | day | statistic | income | |
			tip	Total Bill
		Nmiss	0	0
		Mean	2.98	18.71
		Median	2.53	16.98
		SD	1.35	8.02
		Min	1.44	7.51
		Max	6.70	41.19
		90% CLM	2.56 - 3.40	16.23 - 21.20
	Fri	Ntot	10	10
		N	10	10
		Nmiss	0	0
		Mean	2.69	19.86
		Median	2.60	17.21
		SD	1.14	10.02
		Min	1.50	8.58
		Max	4.73	40.17
		90% CLM	2.03 - 3.35	14.05 - 25.66
	Sat	Ntot	59	59
		N	59	59
		Nmiss	0	0
		Mean	3.08	20.80
		Median	3.00	18.24
		SD	1.79	9.84
		Min	1.00	7.74
		Max	10.00	50.81
		90% CLM	2.69 - 3.47	18.66 - 22.94
	Sun	Ntot	58	58
		N	58	58
		Nmiss	0	0
		Mean	3.22	21.89
		Median	3.08	20.73
		SD	1.27	9.13
		Min	1.32	7.25
		Max	6.50	48.17
		90% CLM	2.94 - 3.50	19.88 - 23.89

a footnote

Table 2: total bill statistics

sex	statistic	Thur		Fri		Sat	Sun
		Dinner	Lunch	Dinner	Lunch	Dinner	Dinner
Female							
	N	1	31	5	4	28	18
	Mean	18.78	16.65	14.31	13.94	19.68	19.87
	Median	18.78	13.42	15.38	14.70	18.36	17.41
	SD	NA	7.88	6.29	2.87	8.81	7.84
	Min	18.78	8.35	5.75	10.09	3.07	9.60
	Max	18.78	43.11	22.75	16.27	44.30	35.26
Male							
	N		30	7	3	59	58
	Mean		18.71	23.49	11.39	20.80	21.89
	Median		16.98	22.49	12.16	18.24	20.73
	SD		8.02	9.86	2.51	9.84	9.13
	Min		7.51	12.03	8.58	7.74	7.25
	Max		41.19	40.17	13.42	50.81	48.17
Total							
	N	1	61	12	7	87	76
	Mean	18.78	17.66	19.66	12.85	20.44	21.41
	Median	18.78	16.00	18.66	13.42	18.24	19.63
	SD	NA	7.95	9.47	2.84	9.48	8.83
	Min	18.78	7.51	5.75	8.58	3.07	7.25
	Max	18.78	43.11	40.17	16.27	50.81	48.17

Table 3: customer frequency

Gender	Day of the week	time		
		Dinner	Lunch	Total
Female				
	Thur	1 (0.41)	31 (12.70)	32 (13.11)
	Fri	5 (2.05)	4 (1.64)	9 (3.69)
	Sat	28 (11.48)		28 (11.48)
	Sun	18 (7.38)		18 (7.38)
Male				
	Thur		30 (12.30)	30 (12.30)
	Fri	7 (2.87)	3 (1.23)	10 (4.10)
	Sat	59 (24.18)		59 (24.18)
	Sun	58 (23.77)		58 (23.77)

Table 4: total bill statistics

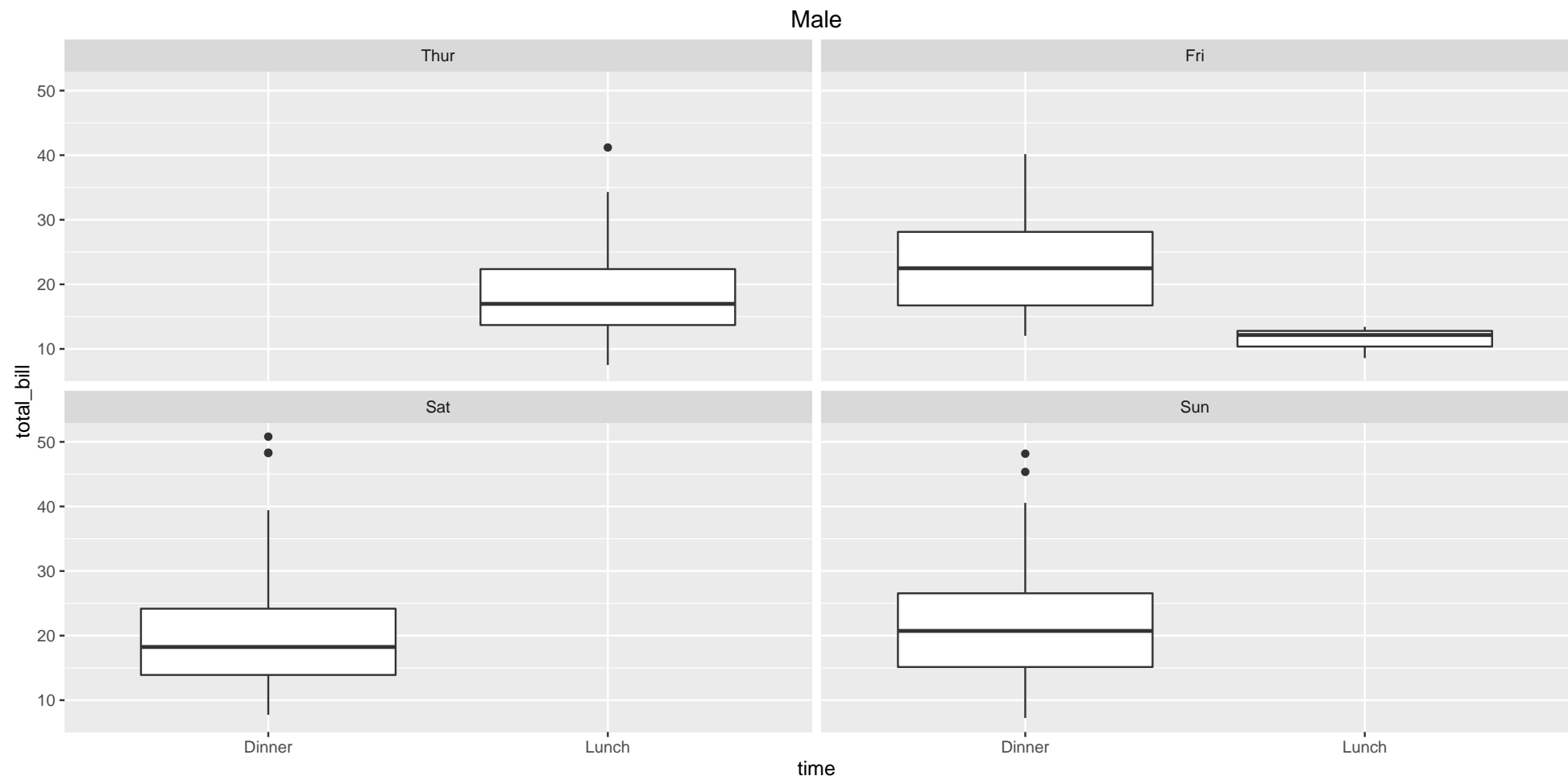| sex	day	\<Dinner\> N	Mean	Median	SD	Min	Max	N (perc)	\<Lunch\> N	Mean	Median	SD	Min	Max	N (perc)
Female															
	Thur	1	18.78	18.78	NA	18.78	18.78	1 (0.41)	31	16.65	13.42	7.88	8.35	43.11	31 (12.70)
	Fri	5	14.31	15.38	6.29	5.75	22.75	5 (2.05)	4	13.94	14.70	2.87	10.09	16.27	4 (1.64)
	Sat	28	19.68	18.36	8.81	3.07	44.30	28 (11.48)							
	Sun	18	19.87	17.41	7.84	9.60	35.26	18 (7.38)							
Male															
	Thur								30	18.71	16.98	8.02	7.51	41.19	30 (12.30)
	Fri	7	23.49	22.49	9.86	12.03	40.17	7 (2.87)	3	11.39	12.16	2.51	8.58	13.42	3 (1.23)
	Sat	59	20.80	18.24	9.84	7.74	50.81	59 (24.18)							
	Sun	58	21.89	20.73	9.13	7.25	48.17	58 (23.77)							
Total															
	Thur	1	18.78	18.78	NA	18.78	18.78	1 (0.41)	61	17.66	16.00	7.95	7.51	43.11	61 (25.00)
	Fri	12	19.66	18.66	9.47	5.75	40.17	12 (4.92)	7	12.85	13.42	2.84	8.58	16.27	7 (2.87)
	Sat	87	20.44	18.24	9.48	3.07	50.81	87 (35.66)							
	Sun	76	21.41	19.63	8.83	7.25	48.17	76 (31.15)							

plot A: example for basic plotting
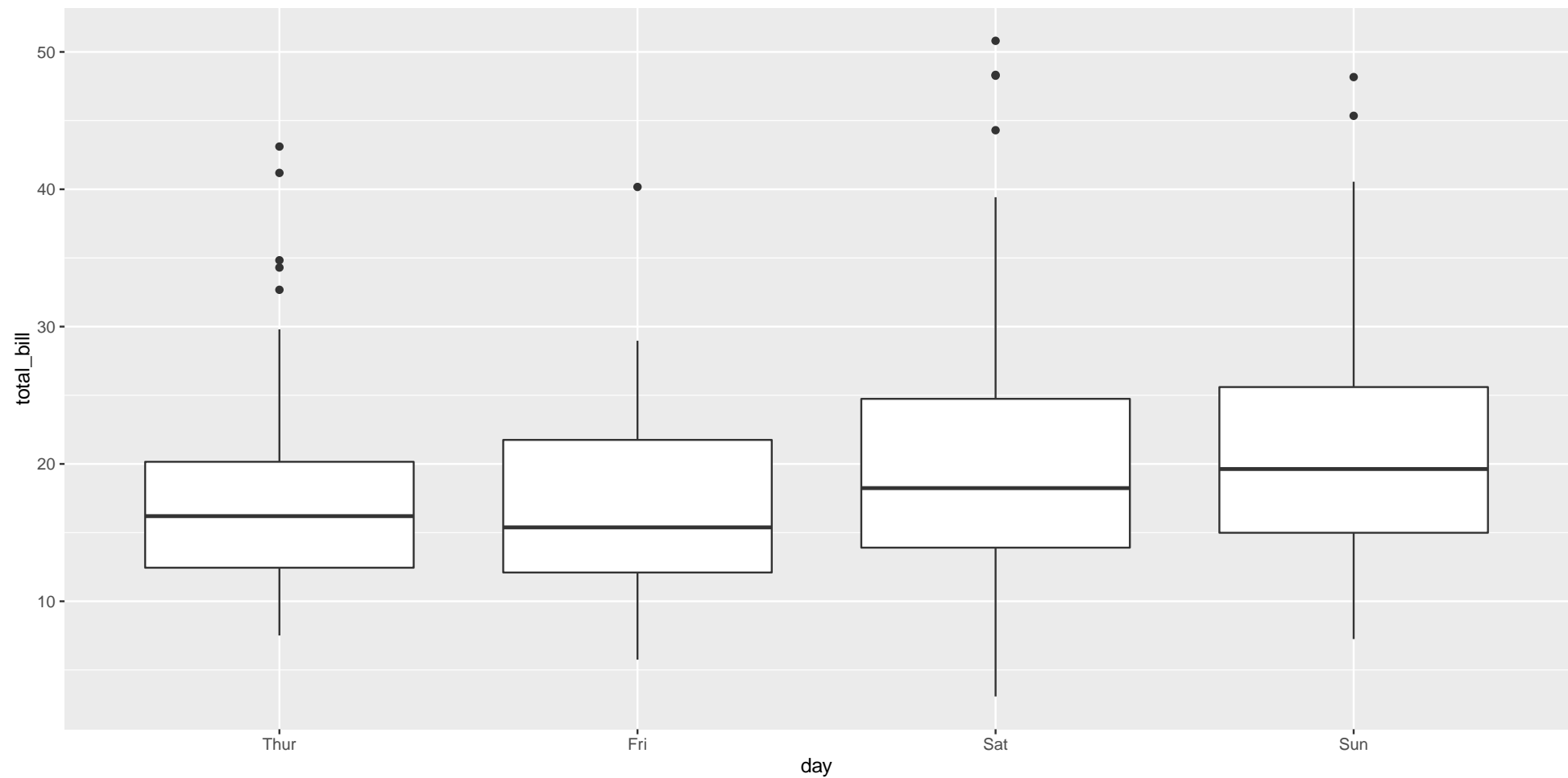
plot B: example for plotting lists
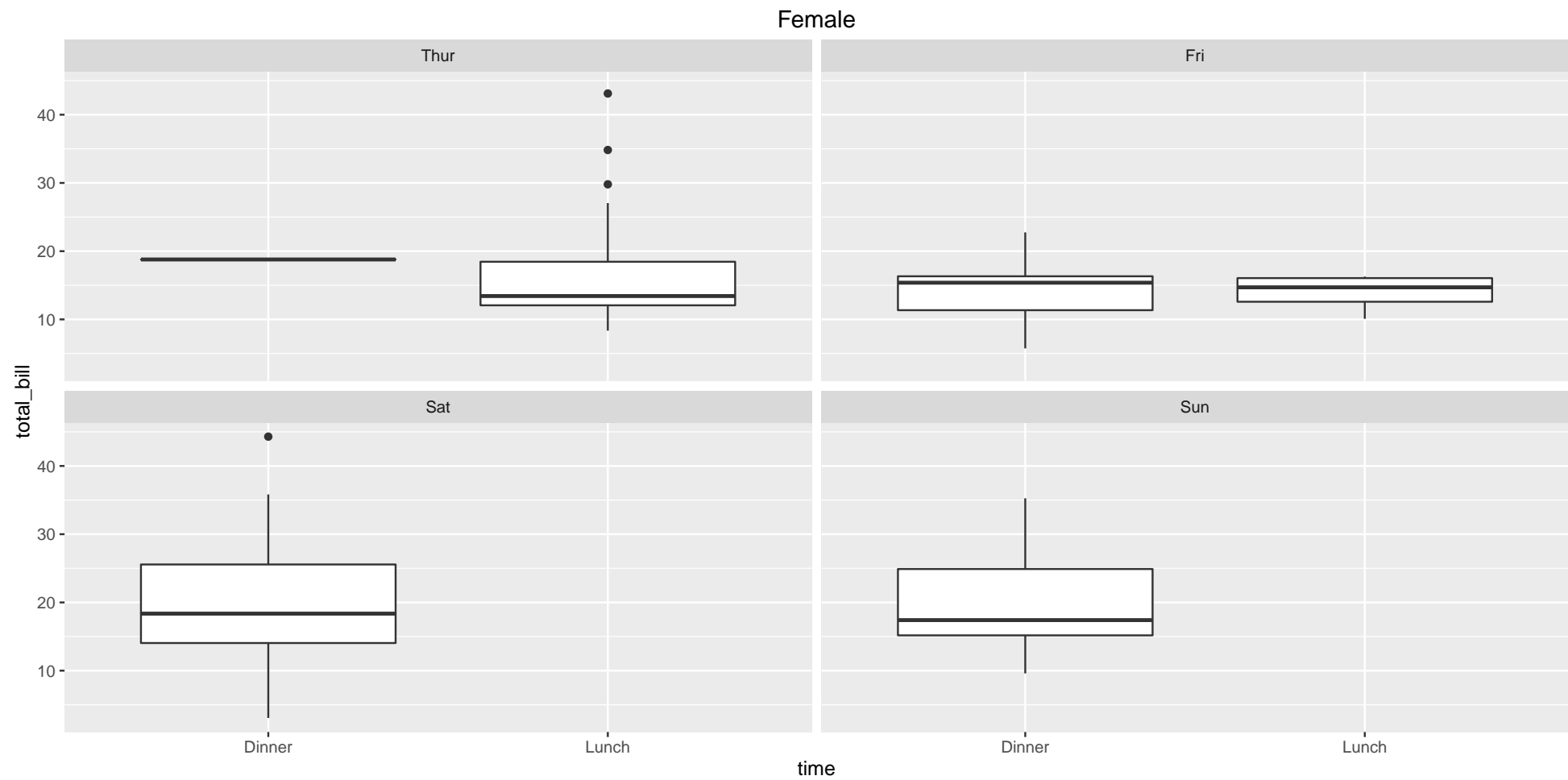
plot B: example for plotting lists, cont'd

plot C: example for base plot