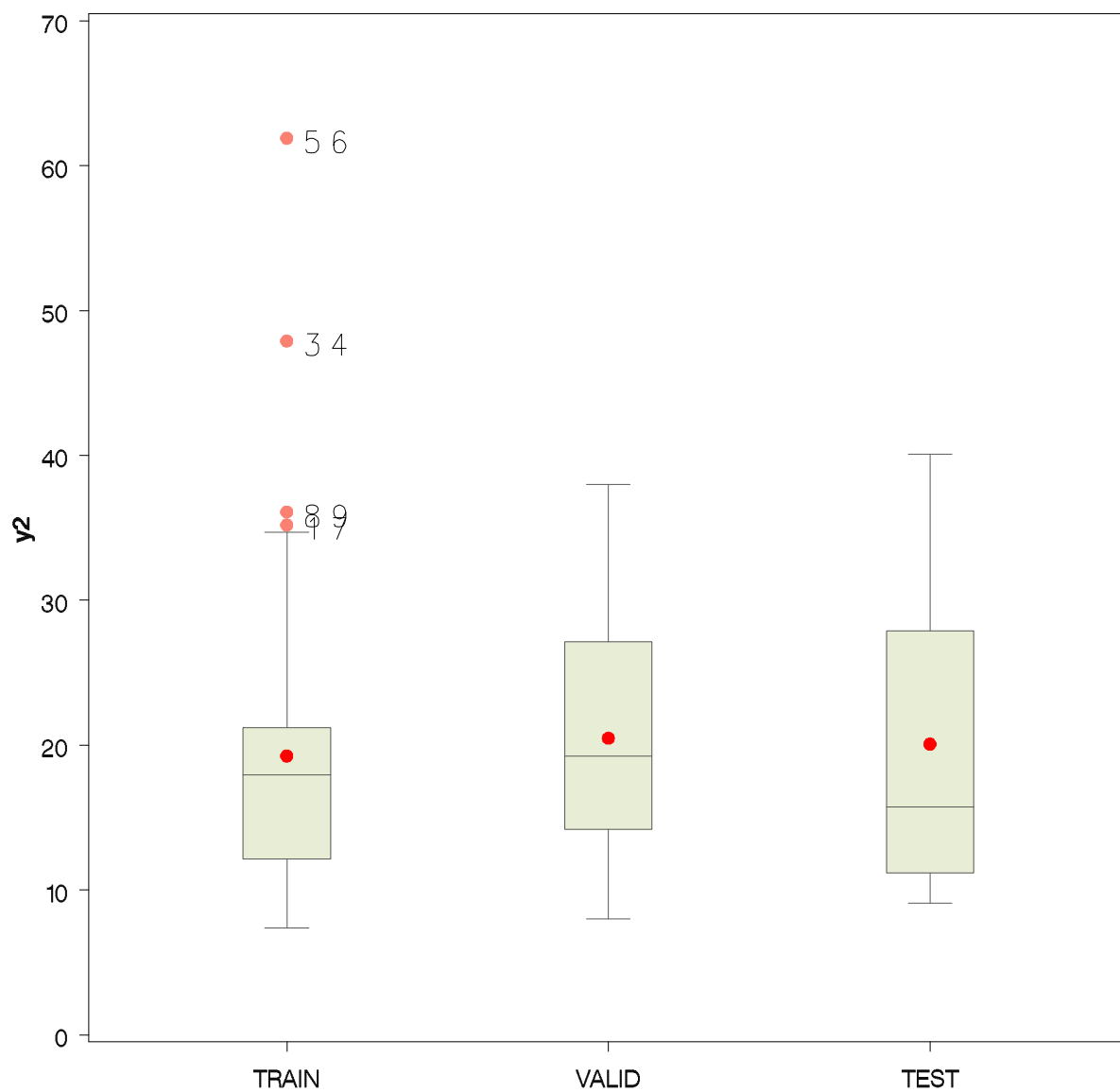


Training data First 10 observations- random split

Obs	C1	C2	C3	Y1	Y2	Y3	Y4	Y5	X1	C4	X2	X3	X4	X5	X6	B1	X7	X8
1	Pontiac	Grand_Prix	Midsize	15.4	18.5	21.6	19	27	0	1	6	3.4	200	5000	1890	1	16.5	5
2	Buick	Century	Midsize	14.2	15.7	17.3	22	31	1	1	4	2.2	110	5200	2565	0	16.4	6
3	Toyota	Camry	Midsize	15.2	18.2	21.2	22	29	1	1	4	2.2	130	5400	2340	1	18.5	5
4	Ford	Aerostar	Van	14.5	19.9	25.3	15	20	1	2	6	3	145	4800	2080	1	21	7
5	Hyundai	Sonata	Midsize	12.4	13.9	15.3	20	27	0	1	4	2	128	6000	2335	1	17.2	5
6	Mazda	RX-7	Sporty	32.5	32.5	32.5	17	25	1	0	.	1.3	255	6500	2325	1	20	2
7	Mazda	Protege	Small	10.9	11.6	12.3	28	36	0	1	4	1.8	103	5500	2220	1	14.5	5
8	Chrysler	LeBaron	Compact	14.5	15.8	17.1	23	28	2	1	4	3	141	5000	2090	0	16	6
9	Honda	Civic	Small	8.4	12.1	15.8	42	46	1	1	4	1.5	102	5900	2650	1	11.9	4
10	Oldsmobile	Achieva	Compact	13	13.5	14	24	31	0	1	4	2.3	155	6000	2380	0	15.2	5

Obs	X9	X10	X11	X12	X13	X14	X15	B2	MPG	_OBSTAT_	ID	_WT_	CLUSTER	id_
1	195	108	72	41	28.5	16	3450	1	1	01101 0 0 0	79	1	3	1
2	189	105	69	41	28	16	2880	1	1	01101 0 0 0	69	1	3	2
3	188	103	70	38	28.5	15	3030	0	1	01101 0 0 0	85	1	3	3
4	176	119	72	45	30	.	3735	1	0	01101 0 0 0	60	1	3	4
5	184	104	69	41	31	14	2885	0	1	01101 0 0 0	63	1	3	6
6	169	96	69	37	.	.	2895	0	0	01101 0 0 0	43	1	2	7
7	172	98	66	36	26.5	13	2440	0	1	01101 0 0 0	19	1	1	8
8	183	104	68	41	30.5	14	3085	1	1	01101 0 0 0	51	1	3	9
9	173	103	67	36	28	12	2350	0	1	01101 0 0 0	14	1	1	11
10	188	103	67	39	28	14	2910	1	1	01101 0 0 0	76	1	3	14

Box plot of y2 by Random samples



Box plot of y3 by Random samples

