

# extreme min missing rate report

The missing function is: remove minimum 20% or 40% samples based on y

For missing rate at 80%, for lasso,

##		L_inf_norm	rho	tn0en0	tn0e0	t0e0	t0en0
##	Method1_full	0.1140941	0.000000e+00	3	0	3.15	1.85
##	0.5 * rho	0.1140941	2.650180e-02	3	0	3.67	1.33
##	1 * rho	0.1140941	5.300360e-02	3	0	4.14	0.86
##	2 * rho	0.1136710	1.060072e-01	3	0	4.67	0.33
##	Method2_complete	0.1862533	0.000000e+00	3	0	2.86	2.14
##	0.5 * rho	0.1862533	4.240877e-02	3	0	3.73	1.27
##	1 * rho	0.1862533	8.481753e-02	3	0	4.23	0.77
##	2 * rho	0.1860472	1.696351e-01	3	0	4.75	0.25
##	Method3_logistics_our	1002.0000000	0.000000e+00	3	0	0.00	5.00
##	0.5 * rho	1002.0000000	3.335000e+02	3	0	0.00	5.00
##	1 * rho	1002.0000000	6.670000e+02	3	0	0.00	5.00
##	2 * rho	1002.0000000	1.334000e+03	3	0	5.00	0.00

For SCAD,

##		L_inf_norm	rho	tn0en0	tn0e0	t0e0	t0en0
##	Method1_full	0.1124976	0.000000e+00	3	0	4.59	0.41
##	0.5 * rho	0.1124976	2.662608e-02	3	0	4.67	0.33
##	1 * rho	0.1124976	5.325216e-02	3	0	4.70	0.30
##	2 * rho	0.1124976	1.065043e-01	3	0	4.84	0.16
##	Method2_complete	0.1568271	0.000000e+00	3	0	4.44	0.56
##	0.5 * rho	0.1568271	3.701137e-02	3	0	4.58	0.42
##	1 * rho	0.1568271	7.402274e-02	3	0	4.65	0.35
##	2 * rho	0.1566939	1.480455e-01	3	0	4.79	0.21
##	Method3_logistics_our	1002.0000000	0.000000e+00	3	0	0.00	5.00
##	0.5 * rho	1002.0000000	3.335000e+02	3	0	0.00	5.00
##	1 * rho	1002.0000000	6.670000e+02	3	0	0.00	5.00
##	2 * rho	1002.0000000	1.334000e+03	3	0	5.00	0.00

For MCP,

##		L_inf_norm	rho	tn0en0	tn0e0	t0e0	t0en0
##	Method1_full	0.1095296	0.000000e+00	3	0	4.37	0.63
##	0.5 * rho	0.1095296	2.602109e-02	3	0	4.48	0.52
##	1 * rho	0.1095296	5.204218e-02	3	0	4.56	0.44
##	2 * rho	0.1095126	1.040844e-01	3	0	4.71	0.29
##	Method2_complete	0.1501749	0.000000e+00	3	0	4.49	0.51
##	0.5 * rho	0.1501749	3.589697e-02	3	0	4.60	0.40
##	1 * rho	0.1501749	7.179395e-02	3	0	4.69	0.31
##	2 * rho	0.1501563	1.435879e-01	3	0	4.81	0.19
##	Method3_logistics_our	1002.0000000	0.000000e+00	3	0	0.00	5.00
##	0.5 * rho	1002.0000000	3.335000e+02	3	0	0.00	5.00
##	1 * rho	1002.0000000	6.670000e+02	3	0	0.00	5.00
##	2 * rho	1002.0000000	1.334000e+03	3	0	5.00	0.00

For missing rate at 60%, for lasso,

##		L_inf_norm	rho	tn0en0	tn0e0	t0e0	t0en0
##	Method1_full	0.1253199	0.000000e+00	3	0	2.85	2.15
##	0.5 * rho	0.1253199	3.046026e-02	3	0	3.60	1.40
##	1 * rho	0.1253199	6.092051e-02	3	0	4.23	0.77
##	2 * rho	0.1249102	1.218410e-01	3	0	4.67	0.33
##	Method2_complete	0.2506021	0.000000e+00	3	0	2.51	2.49
##	0.5 * rho	0.2506021	5.910338e-02	3	0	3.62	1.38
##	1 * rho	0.2506021	1.182068e-01	3	0	4.31	0.69
##	2 * rho	0.2503671	2.364135e-01	3	0	4.85	0.15
##	Method3_logistics_our	1002.0000000	0.000000e+00	3	0	0.00	5.00
##	0.5 * rho	1002.0000000	3.335000e+02	3	0	0.00	5.00
##	1 * rho	1002.0000000	6.670000e+02	3	0	0.00	5.00
##	2 * rho	1002.0000000	1.334000e+03	3	0	5.00	0.00

For SCAD,

##		L_inf_norm	rho	tn0en0	tn0e0	t0e0	t0en0
##	Method1_full	0.1063614	0.000000e+00	3	0	4.40	0.60
##	0.5 * rho	0.1063614	2.610867e-02	3	0	4.55	0.45
##	1 * rho	0.1063614	5.221734e-02	3	0	4.60	0.40
##	2 * rho	0.1063614	1.044347e-01	3	0	4.68	0.32
##	Method2_complete	0.2181744	0.000000e+00	3	0	4.37	0.63
##	0.5 * rho	0.2181744	5.228688e-02	3	0	4.53	0.47
##	1 * rho	0.2181744	1.045738e-01	3	0	4.69	0.31
##	2 * rho	0.2173782	2.091475e-01	3	0	4.84	0.16
##	Method3_logistics_our	1002.0000000	0.000000e+00	3	0	0.00	5.00
##	0.5 * rho	1002.0000000	3.335000e+02	3	0	0.00	5.00
##	1 * rho	1002.0000000	6.670000e+02	3	0	0.00	5.00
##	2 * rho	1002.0000000	1.334000e+03	3	0	5.00	0.00

For MCP,

##		L_inf_norm	rho	tn0en0	tn0e0	t0e0	t0en0
##	Method1_full	0.1058200	0.000000e+00	3	0	4.46	0.54
##	0.5 * rho	0.1058200	2.463768e-02	3	0	4.52	0.48
##	1 * rho	0.1058200	4.927536e-02	3	0	4.63	0.37
##	2 * rho	0.1057367	9.855072e-02	3	0	4.75	0.25
##	Method2_complete	0.2079739	0.000000e+00	3	0	4.39	0.61
##	0.5 * rho	0.2079739	4.742546e-02	3	0	4.54	0.46
##	1 * rho	0.2079739	9.485092e-02	3	0	4.69	0.31
##	2 * rho	0.2075916	1.897018e-01	3	0	4.87	0.13
##	Method3_logistics_our	1002.0000000	0.000000e+00	3	0	0.00	5.00
##	0.5 * rho	1002.0000000	3.335000e+02	3	0	0.00	5.00
##	1 * rho	1002.0000000	6.670000e+02	3	0	0.00	5.00
##	2 * rho	1002.0000000	1.334000e+03	3	0	5.00	0.00







