True Model = GGG

metric = AIC

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0	0	1	1.6	1.9	4.4	19
GLG	0.1	0.3	0.9	1.8	2.9	5.6	25.1
LLG	0	0	0	0.1	0	0.2	0
GGL	0.1	0.3	0.8	2	3	4.2	23.2
LGL	0	0	0	0.1	0.1	0.3	0.1
GLL	0	0	0	0.2	0.2	0.1	0
LLL	0	0	0	0	0	0	0

metric = GCV

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0.6	0.7	1.7	2	2	3.9	17.1
GLG	0.4	0.8	1.7	2.3	2.8	5.2	23
LLG	0	0	0.1	0.2	0.1	0.2	0
GGL	0.4	0.8	1.1	2.4	3.2	4.1	21.5
LGL	0	0.1	0	0.2	0.3	0.3	0.1
GLL	0	0	0	0.2	0.3	0.2	0
LLL	0	0	0	0	0	0	0

metric = SCV

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	7.6
LGG	0	0.2	2	11.5	9.6	4.8	1
GLG	0	0.2	1.8	6.2	7.3	4.8	1.7
LLG	0	0	0	0.3	1.7	2.3	1
GGL	0	0	1.3	7.2	7.8	4.4	1.4
LGL	0	0	0	0.3	1.6	2.2	1.1
GLL	0	0	0	0.9	3.3	2.7	1
LLL	0	0	0	0	0.1	0.5	0.3

metric = LOOCV

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	72.4
LGG	0.6	0.4	1.2	1.6	1	1.5	0.4
GLG	0.3	0.7	1	1.6	1.6	2.3	0.6
LLG	0	0	0	0.2	0.6	0.5	0.1
GGL	0.3	0.8	1.2	1.6	1.6	2	0.6
LGL	0	0	0.1	0.4	0.4	0.7	0.2
GLL	0	0	0.1	0.4	0.5	0.4	0.1
LLL	0	0	0	0	0.1	0.1	0

metric = B0RMSE

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	5.8
LGG	0	0	0	0.1	0.1	0.7	2.6
GLG	9.4	3.2	2.3	2	1.9	2	1.3
LLG	0	0	0	0	0	0.2	4.4
GGL	9.4	3.4	2.9	2.6	1.8	1.4	1.4
LGL	0	0	0	0	0	0.3	4.4
GLL	14	5.1	3.7	3.6	2.6	2	1.4
LLL	0	0	0	0	0	0	4.1

metric = B1RMSE

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	6.2
LGG	8.4	4.2	3.2	2.7	2	1.6	1.3
GLG	0	0	0	0	0	0.4	3.3
LLG	0	0	0	0	0	0	2.6
GGL	9.9	3	2.5	2.4	1.8	1.8	1.2
LGL	14.5	4.9	4.4	3.6	3.2	2.4	2.7
GLL	0	0	0	0	0	0.1	3.6
LLL	0	0	0	0	0	0.1	1.8

metric = B2RMSE

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	7.1
LGG	9.4	3.8	3	2	1.8	1.8	1.7
GLG	9.5	4	2.4	1.3	2.2	2.2	2
LLG	12.1	5.1	4.3	4.3	2.8	2.7	1.8
GGL	0	0	0	0	0	0.4	2.6
LGL	0	0	0	0	0	0.1	2.4
GLL	0	0	0	0	0	0.2	3.7
LLL	0	0	0	0	0	0.1	3

True Model = LGG

metric = AIC

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	61.2	13.8	8.6	3.5	0.9	0.3	1.1
GLG	0.1	0.4	1	1.2	0.6	0.4	1.6
LLG	0	0	0	0	0	0	0
GGL	0.1	0.5	1.1	1	0.5	0.4	1.3
LGL	0	0.1	0	0	0	0	0
GLL	0	0	0	0	0	0	0
LLL	0.1	0	0	0	0	0	0

metric = GCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	76.2	8.2	3.3	1.4	0.4	0.2	0.6
GLG	0.6	0.9	0.8	0.7	0.3	0.3	0.9
LLG	0.2	0.2	0.1	0	0	0.1	0
GGL	0.6	0.5	0.9	0.5	0.3	0.2	1
LGL	0.2	0.1	0	0.1	0.1	0	0
GLL	0	0.1	0	0.1	0	0	0
LLL	0	0	0	0	0	0	0

metric = SCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	1
LGG	23	18	24	14.5	1.7	0.3	0
GLG	0.1	0.5	2	2.2	0.6	0.3	0.1
LLG	0	0.2	0.6	0.6	0.2	0.1	0.1
GGL	0.1	0.7	2.8	2.1	0.5	0.2	0
LGL	0	0.2	0.6	0.7	0.3	0.2	0
GLL	0	0	0.3	0.7	0.2	0	0
LLL	0	0	0	0.1	0	0	0

metric = LOOCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	3.8
LGG	75.2	8.1	2.8	0.8	0.2	0.1	0
GLG	0.6	0.8	1	0.5	0.2	0.1	0
LLG	0.2	0.2	0.3	0.1	0.2	0	0
GGL	0.8	0.8	0.8	0.4	0.2	0.1	0
LGL	0.2	0.2	0.3	0.1	0.2	0	0
GLL	0	0.1	0.1	0	0	0.1	0
LLL	0	0	0	0	0	0	0

metric = B0RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0.2
LGG	77.7	9.3	4.2	2.1	0.6	0.3	0.2
GLG	0.4	0.1	0.2	0.1	0	0.1	0.1
LLG	0.6	0	0.1	0.1	0.1	0.1	0.2
GGL	0.6	0.1	0.1	0.1	0	0.1	0
LGL	0.5	0.1	0	0.1	0	0.1	0.1
GLL	0.5	0.2	0.2	0.1	0.1	0	0
LLL	0	0	0	0	0	0	0.1

metric = B1RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	3.7
LGG	15.3	4.9	3.9	3.1	2.1	1.3	1.5
GLG	0	0	0	0	0	0	3.3
LLG	0	0	0	0	0	0	0.9
GGL	8.7	4.6	3.1	2.8	2	1.8	1.2
LGL	13.6	5.7	4.5	3.3	2.7	2.1	1.6
GLL	0	0	0	0	0	0	1.1
LLL	0	0	0	0	0	0	1

metric = B2RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	3.8
LGG	15.1	5.6	3.9	3.2	2.2	1.6	1.5
GLG	9.1	3.7	3.6	2.4	2.1	1.6	1.3
LLG	13	5.6	4.6	3.2	2.4	2.1	1.6
GGL	0	0	0	0	0	0	3.9
LGL	0	0	0	0	0	0	0.9
GLL	0	0	0	0	0	0.1	1
LLL	0	0	0	0	0	0	0.8

True Model = GLG

metric = AIC

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0	0.1	0.5	0.9	1.4	3.8	3.4
GLG	5.3	8.9	13.6	16.3	15.7	13.6	6.8
LLG	0	0	0	0.3	0.3	0.4	0
GGL	0	0.1	0.2	0.6	0.9	2.1	3.4
LGL	0	0	0	0	0	0.2	0.1
GLL	0	0	0.2	0.2	0.3	0.2	0
LLL	0	0	0	0	0	0	0

metric = GCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0.3	0.5	0.8	0.9	1.8	3.2	2.6
GLG	7.9	11.4	13.8	14.9	13.5	11.4	5.5
LLG	0.1	0.1	0.3	0.6	0.5	0.4	0
GGL	0.2	0.3	0.5	0.7	1	1.6	2.8
LGL	0	0	0.1	0.1	0.1	0.2	0
GLL	0	0.2	0.4	0.4	0.4	0.2	0
LLL	0	0	0	0	0	0.1	0

metric = SCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	1.7
LGG	0	0.1	0.6	4.1	4.9	2.4	0.3
GLG	0	1	5.1	13.1	18.2	11.2	0.8
LLG	0	0	0.2	2	5.7	3.2	0.2
GGL	0	0	0.5	1.6	2	1.6	0.4
LGL	0	0	0	0.1	0.9	0.7	0.2
GLL	0	0	0.6	2.8	7.8	4.2	0.3
LLL	0	0	0	0	0.8	0.5	0.1

metric = LOOCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	11
LGG	0.2	0.4	0.6	0.7	1.5	2.4	0.5
GLG	8	10.9	13.2	13.7	11.5	9.3	1.1
LLG	0.1	0.3	0.9	1.1	1.5	1	0.1
GGL	0.2	0.2	0.4	0.9	0.9	1.3	0.3
LGL	0	0.1	0.2	0.3	0.2	0.4	0
GLL	0.1	0.2	0.6	1.2	1	0.7	0
LLL	0	0	0.1	0.2	0.1	0.2	0

metric = B0RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	11.7
LGG	0	0	0	0	0	0.1	0.4
GLG	8.8	3.7	3.1	2.7	2.9	2.9	2.1
LLG	0	0	0	0	0.1	0.4	2.4
GGL	8.4	3.5	2.5	2.6	2.2	2.7	2.6
LGL	0	0	0	0	0	0.1	0.8
GLL	12.4	4.3	3.3	3.2	3.1	2.4	1.9
LLL	0	0	0	0	0	0.1	2.7

metric = B1RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0.4
LGG	0.9	0.3	0.2	0.3	0.1	0.1	0
GLG	7.2	9.3	12.8	13.5	12.5	11.7	3.1
LLG	0	0	0	0.1	0.7	2.4	2
GGL	1.1	0.5	0.2	0.2	0.1	0.1	0.1
LGL	1.5	0.7	0.4	0.5	0.2	0.2	0.1
GLL	0	0.2	0.4	1.3	3.1	4.5	2.9
LLL	0	0	0	0.2	0.7	1.9	1.6

metric = B2RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	10.9
LGG	7.9	3.9	2.8	2.8	2.6	3.2	3.2
GLG	7.3	3.2	3.3	2.8	2.8	2.9	2.4
LLG	11.1	4.8	4.4	3.8	3.4	3.1	2.3
GGL	0	0	0	0	0	0.1	0.4
LGL	0	0	0	0	0	0	1.2
GLL	0	0	0	0	0	0.2	2
LLL	0	0	0	0	0	0	1.2

True Model = LLG

metric = AIC, metric = GCV, metric = SCV, metric = LOOCV, metric = B0RMSE, metric = B1RMSE, metric = B2RMSE

True Model = GGL

metric = AIC

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0.1	0.1	0.3	0.8	1.8	2.8	3.2
GLG	0	0.1	0.2	0.7	1.1	2.1	3.3
LLG	0	0	0	0	0	0.1	0
GGL	5.7	9.3	13.5	16.2	15.2	14.3	7.2
LGL	0	0.1	0.1	0.3	0.2	0.3	0
GLL	0	0	0.1	0.1	0.3	0.2	0
LLL	0	0	0	0	0	0	0

metric = GCV

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0.4	0.4	0.5	1.1	1.7	2.5	2.4
GLG	0.2	0.4	0.6	0.7	1.1	1.7	2.8
LLG	0	0	0.1	0	0.2	0.1	0
GGL	8.8	10.9	14.4	14.9	13.3	11.6	5.6
LGL	0.1	0.2	0.4	0.6	0.4	0.3	0
GLL	0.1	0.1	0.3	0.3	0.4	0.3	0
LLL	0	0	0	0.1	0	0	0

metric = SCV

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	1.8
LGG	0	0.1	0.8	3.5	4.6	2.7	0.2
GLG	0	0.1	0.7	1.8	1.6	1	0.3
LLG	0	0	0	0.2	0.7	0.8	0.2
GGL	0.1	1.6	5.9	13.2	17.3	10.9	0.7
LGL	0	0	0.4	1.7	5.7	3.2	0.4
GLL	0	0	0.4	2.7	8.7	4	0.3
LLL	0	0	0	0.1	1	0.8	0

metric = LOOCV

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	10.7
LGG	0.3	0.3	0.6	1.1	1.4	1.9	0.3
GLG	0.2	0.2	0.6	0.7	0.8	1.5	0.4
LLG	0	0	0.1	0.2	0.4	0.4	0
GGL	8.5	11	13.9	12.8	12.3	9.3	1.1
LGL	0.1	0.3	0.9	1.2	1.2	0.8	0.1
GLL	0.1	0.3	0.6	1	1.1	0.7	0
LLL	0	0	0	0.2	0.2	0.2	0

metric = B0RMSE

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	11.5
LGG	0	0	0	0	0	0.1	0.4
GLG	8.1	3.3	2.9	2.4	2.2	2.9	2.2
LLG	0	0	0	0	0	0.1	1
GGL	8.6	3.3	3.1	3	2.7	3.2	2.5
LGL	0	0	0	0	0	0.4	2.3
GLL	11.4	4.5	3.7	3.2	3	2.7	2.3
LLL	0	0	0	0	0	0.2	2.7

metric = B1RMSE

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	10.8
LGG	7.6	3.5	2.8	2.3	2.4	3.3	3.3
GLG	0	0	0	0	0	0.1	0.4
LLG	0	0	0	0	0	0.1	1.6
GGL	8.6	3.4	3.2	2.5	2.7	2.9	2.5
LGL	10.8	5	4.2	3.6	3.5	2.8	2.5
GLL	0	0	0	0	0	0.3	2.1
LLL	0	0	0	0	0	0.1	1.2

metric = B2RMSE

model selected

	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0.5
LGG	0.6	0.3	0.3	0.2	0	0.2	0.1
GLG	1.2	0.2	0.3	0.2	0	0.1	0.1
LLG	1.3	0.5	0.5	0.4	0.3	0.2	0.1
GGL	6.5	10	12.6	14.4	12.6	11.5	2.9
LGL	0	0	0.1	0.1	0.6	2.2	2.2
GLL	0	0.1	0.3	1.1	2.6	5	2.7
LLL	0	0	0	0.1	0.6	2.4	1.8

True Model = LGL

True Model = GLL

metric = AIC

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0	0.1	0.4	1.4	2.4	3.1	2
GLG	0	0.3	1.2	3.4	5.6	6	3.5
LLG	0	0	0.1	0.3	0.4	0.3	0
GGL	0	0.3	1	3.3	5.8	5.8	3.3
LGL	0	0	0.1	0.3	0.4	0.2	0
GLL	4.4	8.1	11.6	13.4	9.1	2.1	0
LLL	0	0	0.1	0.1	0.1	0	0

metric = GCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0.3	0.5	0.8	1.3	2.1	2.3	1.5
GLG	0.4	0.7	1.6	3.4	4.8	4.8	2.7
LLG	0	0	0.3	0.6	0.5	0.3	0
GGL	0.4	0.7	1.6	3.2	4.8	4.7	2.7
LGL	0	0.1	0.2	0.5	0.4	0.2	0
GLL	7	10.2	13.3	12.1	7	1.4	0
LLL	0	0.1	0.2	0.2	0.1	0	0

metric = SCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	1
LGG	0	0.1	0.6	2.9	3.9	2.3	0.2
GLG	0	0.1	0.8	2.6	3.5	2.7	0.4
LLG	0	0	0.1	0.6	2	1.5	0.2
GGL	0	0.2	0.8	2.6	3.4	2.8	0.5
LGL	0	0	0	0.5	2.2	1.8	0.1
GLL	0	0.7	5.5	12.4	21.4	11.7	0.2
LLL	0	0	0.2	1.1	3.6	2.6	0

metric = LOOCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	6
LGG	0.2	0.4	0.6	1.1	1.9	1.9	0.2
GLG	0.4	0.7	1.6	2.8	3.6	3.8	0.5
LLG	0	0.1	0.4	0.7	1	0.6	0.1
GGL	0.4	0.7	1.5	2.5	3.9	3.4	0.5
LGL	0	0.1	0.2	0.7	0.9	0.7	0
GLL	6.6	9.6	13.6	12.9	8.2	2.5	0.1
LLL	0	0.2	0.5	0.8	0.6	0.3	0

metric = B0RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	11.2
LGG	0	0	0	0	0	0.1	0.3
GLG	7.9	3	3.2	2.5	2.5	3.4	2.9
LLG	0	0	0	0	0	0.1	0.8
GGL	7.6	3.4	3.2	2.7	2.9	3.4	2.5
LGL	0	0	0	0	0	0.1	0.8
GLL	10.9	4.9	3.8	3.7	3.3	3.8	2.3
LLL	0	0	0	0	0	0.1	2.6

metric = B1RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0.5
LGG	1.1	0.5	0.2	0.3	0.1	0.2	0.1
GLG	0	0	0.2	1.2	3.1	5.6	3
LLG	0	0	0.2	0.9	2.1	4.5	2.7
GGL	1	0.4	0.2	0.2	0.2	0.2	0.1
LGL	1.8	0.8	0.5	0.4	0.3	0.2	0.1
GLL	2.4	6.1	9.2	10.6	11.2	13.2	3.8
LLL	0	0.1	0.6	1.1	2.2	3.8	2.6

metric = B2RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0.6
LGG	1.1	0.4	0.2	0.3	0.2	0.1	0.1
GLG	1.1	0.4	0.3	0.2	0.2	0.1	0.1
LLG	1.6	0.8	0.5	0.4	0.3	0.2	0.1
GGL	0	0	0.2	1.2	2.6	5.4	3.1
LGL	0	0	0.1	0.9	2.4	4.4	2.8
GLL	2.5	6	9.4	11.2	11.8	12.5	4.3
LLL	0	0.1	0.5	1.1	2.1	3.5	2.5

True Model = LLL

metric = AIC

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	42.2	13.1	8.7	2.9	1	0.5	0.6
GLG	0.2	0.8	1.5	1.3	1	0.8	1.1
LLG	5.1	0.2	0.1	0	0	0	0
GGL	0.2	0.7	1.5	1.2	0.9	0.7	1.2
LGL	5.2	0.2	0.1	0	0	0	0
GLL	0.1	0.2	0.1	0	0	0	0
LLL	6.3	0.1	0	0	0	0	0

metric = GCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	51	8.4	3	1.1	0.5	0.3	0.3
GLG	1	1.1	1	0.7	0.5	0.4	0.6
LLG	6.8	0.5	0.2	0.1	0.1	0	0
GGL	0.8	1.1	1	0.7	0.4	0.4	0.7
LGL	6.9	0.5	0.2	0.1	0	0	0
GLL	0.3	0.3	0.2	0.1	0.1	0.1	0
LLL	8.6	0.1	0	0	0	0	0

metric = SCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0.5
LGG	12.1	12.5	17.9	10.4	1.5	0.3	0.1
GLG	0.2	1	2.9	2.3	0.7	0.3	0.1
LLG	2	2	2	1.4	0.4	0.2	0
GGL	0.2	1	2.7	2.1	0.9	0.3	0.1
LGL	2.1	2	2	1.1	0.4	0.2	0
GLL	0.3	1.5	3.3	2.4	0.7	0.2	0
LLL	2.9	1.7	0.7	0.2	0.1	0	0

metric = LOOCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	2.1
LGG	51.1	7.9	2.6	0.9	0.3	0.1	0
GLG	1	1.3	1	0.6	0.3	0.3	0.1
LLG	6.6	0.6	0.4	0.2	0.1	0	0
GGL	1	1.2	1	0.5	0.4	0.3	0
LGL	6.5	0.6	0.3	0.3	0.1	0	0
GLL	0.4	0.4	0.3	0.2	0.1	0	0
LLL	8.3	0.2	0.1	0.1	0	0	0

metric = B0RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0.6
LGG	46.1	8.5	3.9	1.4	0.4	0.1	0.1
GLG	0.6	0.2	0.2	0.1	0.1	0.1	0.1
LLG	6.8	1.5	1.1	0.5	0.3	0.2	0.2
GGL	0.7	0.3	0.2	0.1	0.1	0.1	0.2
LGL	6.9	1.6	0.9	0.6	0.2	0.2	0.3
GLL	0.9	0.4	0.2	0.2	0.2	0.2	0.1
LLL	9.3	1.1	0.7	0.3	0.2	0.2	0.3

metric = B1RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0.6
LGG	4.1	1.6	1	0.5	0.4	0.3	0.1
GLG	0	0	0	0.1	0.9	8.8	6.5
LLG	0.1	0.2	0.4	1.3	2.4	5.6	4.3
GGL	2.5	1.1	0.8	0.4	0.3	0.2	0.1
LGL	4.1	1.9	1.2	0.8	0.6	0.3	0.2
GLL	0	0	0.1	0.6	4.5	19	6.9
LLL	0.2	0.3	0.6	1.5	2.7	5.4	4.3

metric = B2RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0.5
LGG	4.1	1.7	1.1	0.6	0.4	0.2	0.2
GLG	2.7	1	0.8	0.4	0.4	0.2	0.1
LLG	4.2	2	1.4	1	0.5	0.4	0.2
GGL	0	0	0	0.1	0.9	9.1	6.7
LGL	0.1	0.2	0.4	1.1	2.3	5.4	4.3
GLL	0	0	0	0.6	4.6	18.1	6.9
LLL	0.2	0.4	0.6	1.5	2.6	5.2	4.4