True Model = GGG

small error ¡——————————¿ bigger error

metric used AIC

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0	0.2	1	1.4	2.6	5	19.6
GLG	0	0.4	1.4	2.4	3.2	5.4	25.2
LLG	0	0	0	0	0	0	0.2
GGL	0	0.4	1	2.4	2.8	4.8	19.8
LGL	0	0	0	0	0.2	0.2	0
GLL	0	0	0	0.2	0.2	0	0
LLL	0	0	0	0	0	0	0

metric used AIC

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0	0	1.2	2.2	1.2	5	18.4
GLG	0	0.2	1.2	2	4	7.4	23
LLG	0	0	0	0	0	0	0
GGL	0	0.4	0.2	2.2	3.6	3.8	23
LGL	0	0	0	0.2	0.2	0	0.2
GLL	0	0	0	0	0.2	0.2	0
LLL	0	0	0	0	0	0	0

metric used AIC

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0.2	0	1	1.6	1.6	4.6	21.2
GLG	0.2	0.4	0.8	1	2	5.6	24.6
LLG	0	0	0	0.2	0.2	0.6	0
GGL	0.2	0	1.2	2.4	1.8	3.8	23.8
LGL	0	0	0	0	0	0.6	0
GLL	0	0	0	0.2	0	0.2	0
LLL	0	0	0	0	0	0	0

metric used AIC

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0	0	0.6	1.6	2.2	3.2	16.2
GLG	0.2	0.4	0.6	2.2	3.4	4.8	24
LLG	0	0	0	0.2	0	0	0
GGL	0.2	0.6	1	1.8	3.8	5.2	26.6
LGL	0	0	0.2	0	0.2	0.2	0.2
GLL	0	0	0	0	0	0	0.2
LLL	0.2	0	0	0	0	0	0

metric used AIC

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0	0	1	1.4	2	4.2	19.8
GLG	0	0.2	0.6	1.4	2	5	28.8
LLG	0	0	0	0.2	0	0.2	0
GGL	0	0.2	0.6	1.4	3.2	3.4	23
LGL	0	0	0	0.2	0	0.4	0
GLL	0	0	0	0.4	0.4	0	0
LLL	0	0	0	0	0	0	0

metric used GCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	1.2	0.6	1.6	2	2.2	4.8	18.2
GLG	0.2	1	2.2	3.4	3.2	3.8	24
LLG	0	0	0	0	0	0	0.2
GGL	0.4	0.8	1.2	3	2.6	4.6	17.8
LGL	0	0	0	0.2	0.2	0	0.2
GLL	0	0	0	0.2	0.2	0	0
LLL	0	0	0	0	0	0	0

metric used GCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0.6	0.4	2.6	2.4	1.4	4.2	16.8
GLG	0.2	0.8	1.8	2.4	3.8	6.8	21.4
LLG	0	0	0	0	0	0	0
GGL	0.2	1	0.6	3	2.8	3.6	21.8
LGL	0	0	0.2	0.4	0.2	0	0.2
GLL	0	0	0	0	0.2	0.2	0
LLL	0	0	0	0	0	0	0

metric used GCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0.4	1.4	1.4	1.2	2.4	4.4	17.6
GLG	0.8	0.8	1.6	2.2	1.8	4.6	23
LLG	0	0.2	0.2	0.2	0.4	0.6	0
GGL	0.4	1.2	1.2	2	2.8	4.2	21.4
LGL	0	0.2	0	0.2	0.2	0.4	0
GLL	0	0	0	0.2	0.2	0.2	0
LLL	0	0	0	0	0	0	0

metric used GCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0.2	0.4	1.2	3	1.6	3.2	14.8
GLG	0.6	0.6	2	1.8	3.6	5	20.8
LLG	0	0	0	0.4	0	0.2	0
GGL	0.4	0.6	1.8	1.8	4.6	4.8	25
LGL	0	0.2	0	0	0.4	0.4	0.2
GLL	0	0	0	0	0	0.4	0
LLL	0	0	0	0	0	0	0

metric used GCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	0
LGG	0.6	0.6	1.6	1.6	2.6	2.8	18.2
GLG	0.2	0.6	0.8	1.6	1.8	5.6	26
LLG	0	0	0.2	0.4	0	0.2	0
GGL	0.4	0.6	0.6	2.4	3	3.2	21.4
LGL	0	0.2	0	0.4	0.4	0.6	0
GLL	0	0	0	0.4	0.8	0.2	0
LLL	0	0	0	0	0	0	0

metric used SCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	6.8
LGG	0	0.2	2.4	10.2	11.6	2.8	0.8
GLG	0	0	1.4	5.6	6.2	5.2	2.4
LLG	0	0	0	0.4	2.6	2.6	1.2
GGL	0	0	1.2	6.8	9.6	3.6	2
LGL	0	0	0	0	1.6	1.8	0.8
GLL	0	0	0	0.6	4	3.4	1.4
LLL	0	0	0	0	0	0.8	0

metric used SCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	8.4
LGG	0	0.2	2	11.6	9.6	8	1.2
GLG	0	0.4	2.2	7.2	6.6	3.6	1.2
LLG	0	0	0	0.4	1.4	1.6	0.6
GGL	0	0	0.8	7.6	6.4	3	1.2
LGL	0	0	0	0.4	1.4	2.8	1.4
GLL	0	0	0	0.6	3.8	3.4	0.6
LLL	0	0	0	0	0.2	0.2	0

metric used SCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	9.4
LGG	0	0.2	2.6	11	7.2	4.6	0.8
GLG	0.2	0.2	2.2	5.6	6.4	4.4	2
LLG	0	0	0.2	0.4	1.6	2	1.2
GGL	0	0	1.4	7.6	6.2	5.6	1
LGL	0	0	0	0.4	2	2.2	1.8
GLL	0	0	0	1.4	3.6	2.2	0.8
LLL	0	0	0	0	0	0.4	1.2

metric used SCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	6
LGG	0	0	1	11.4	10.2	3.2	1.2
GLG	0	0	2.2	7.6	10	5	1.2
LLG	0	0	0	0	1.6	2.6	0.6
GGL	0	0	1.6	8	8.6	5.4	1.6
LGL	0	0	0	0	1.6	2.2	0.8
GLL	0	0	0	0.4	2.4	1.4	0.8
LLL	0	0	0	0.2	0.2	0.6	0.4

metric used SCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	7.2
LGG	0	0.2	1.8	13.4	9.4	5.6	0.8
GLG	0	0.2	1	4.8	7.2	6	1.6
LLG	0	0	0	0.2	1.2	2.6	1.2
GGL	0	0	1.6	5.8	8	4.6	1.4
LGL	0	0	0	0.8	1.4	2	0.6
GLL	0	0	0.2	1.4	2.6	3.2	1.4
LLL	0	0	0	0	0	0.6	0

metric used LOOCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	72.2
LGG	0.2	0.6	1.4	2.2	1	1.8	0.4
GLG	0.4	0.2	1.2	1.6	1.8	2.2	0.6
LLG	0	0	0	0.2	0.4	0.6	0.2
GGL	0.6	0.8	1.2	1.4	2.2	1.4	0.4
LGL	0	0	0	0.6	0.2	0.4	0.2
GLL	0	0	0.2	0.2	0.4	0.4	0
LLL	0	0	0	0	0.2	0	0

metric used LOOCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	71.6
LGG	0.8	0.4	1.4	1.8	0.8	2.2	0.2
GLG	0.4	0.6	1.4	1.8	2.6	2.6	0.6
LLG	0	0	0	0	0.2	0.4	0
GGL	0.2	0.4	0.6	2.4	1.4	1.6	0.4
LGL	0	0	0	0.4	0.4	0.6	0.2
GLL	0	0	0.2	0.4	0.4	0.6	0
LLL	0	0	0	0	0	0	0

metric used LOOCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	73.4
LGG	0.8	0.6	1.8	1.2	1	1.2	0.2
GLG	0.2	0.4	0.8	1.2	0.8	2.2	0.6
LLG	0	0	0	0	0.8	1	0
GGL	0.4	0.4	1.6	1.6	1.4	2.4	0.8
LGL	0	0	0.2	0.2	0.8	0.8	0
GLL	0	0.2	0	0.4	0.2	0.2	0.2
LLL	0	0	0	0	0	0	0

metric used LOOCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	70.4
LGG	0.2	0.2	0.8	2.2	0.8	1.2	0.6
GLG	0.4	1.4	0.6	1.8	1.6	2	0.8
LLG	0	0	0	0.4	0.6	0.2	0.2
GGL	0	1	2	1.8	2	2.4	0.4
LGL	0	0	0.2	0	0.4	1.2	0.4
GLL	0	0	0	0.4	0.4	0.4	0.2
LLL	0	0	0	0	0.2	0.2	0

metric used LOOCV

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	74.4
LGG	0.8	0.4	0.8	0.6	1.2	1.2	0.4
GLG	0	0.8	1	1.4	1.2	2.6	0.6
LLG	0	0	0.2	0.4	0.8	0.2	0
GGL	0.4	1.4	0.4	1	0.8	2.2	1.2
LGL	0	0	0	1	0.2	0.4	0
GLL	0	0	0.2	0.4	1	0.2	0
LLL	0	0	0	0	0	0.2	0

metric used B0RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	7.2
LGG	0	0	0	0	0.2	0.4	3
GLG	9.8	4	2.8	2.4	1.6	1.2	1.8
LLG	0	0	0	0	0.2	0.2	3.2
GGL	8.6	2.2	3.6	2.4	2.2	1.2	1.2
LGL	0	0	0	0	0	0.2	4.8
GLL	13.8	5.2	3.8	3.4	2.4	2.2	1.2
LLL	0	0	0	0	0	0	3.6

metric used B0RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	5.8
LGG	0	0	0	0	0	1	2
GLG	7	2.6	2.4	1.4	2.6	3.4	1.6
LLG	0	0	0	0	0	0	4
GGL	9.6	2.6	3.2	2.2	1.6	1.6	1.4
LGL	0	0	0	0	0	0.2	3
GLL	18	4.6	4.8	2.8	2.8	1.8	1
LLL	0	0	0	0	0	0	5

metric used B0RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	4.8
LGG	0	0	0	0.2	0.2	0.8	3.6
GLG	7.6	3	2	2.6	2.6	2	1
LLG	0	0	0	0	0	0.4	4.6
GGL	9.8	5	2.4	2.8	1.6	1.2	1
LGL	0	0	0	0	0	0.2	3.8
GLL	13.6	4.8	3	5.6	2	2	1.8
LLL	0	0	0	0	0	0.2	3.8

metric used B0RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	4.6
LGG	0	0	0	0	0	0.8	2.4
GLG	10.4	3.6	2.8	1.8	1.4	1.4	0.6
LLG	0	0	0	0	0	0.2	5.2
GGL	9	4	3.6	2.8	1.6	1.2	2
LGL	0	0	0	0	0	0.4	4.4
GLL	10.6	5.8	3.8	3.6	2.8	2.4	1.8
LLL	0	0	0	0	0	0	5

metric used B0RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	6.4
LGG	0	0	0	0.4	0	0.6	1.8
GLG	12.2	2.6	1.6	2	1.2	2	1.4
LLG	0	0	0	0	0	0	4.8
GGL	10	3.2	1.8	2.6	2.2	1.8	1.2
LGL	0	0	0	0	0	0.4	6.2
GLL	13.8	5.2	3.2	2.6	3.2	1.4	1
LLL	0	0	0	0	0	0	3.2

metric used B1RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	4.6
LGG	7.2	5.2	4.4	2.4	1.8	2.2	1
GLG	0	0	0	0	0	0.6	2.8
LLG	0	0	0	0	0	0.2	2.2
GGL	10.6	3	2.2	2.6	1.4	1.6	1.2
LGL	15.4	4	6.2	3.6	3	2.2	2.6
GLL	0	0	0	0	0	0	4.4
LLL	0	0	0	0	0	0	1.4

metric used B1RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	6.2
LGG	8.6	3.2	3.4	3.2	2.2	0.2	1.4
GLG	0	0	0	0.2	0	0.4	2.4
LLG	0	0	0	0	0	0	3.2
GGL	10.6	3.2	3	3.4	1.4	1.8	1.8
LGL	14.6	5.6	4.4	3.4	2	2	2.2
GLL	0	0	0	0	0	0.2	3.8
LLL	0	0	0	0	0	0	2

metric used B1RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	7.8
LGG	9	3.4	1.8	3.6	2.8	2.4	2
GLG	0	0	0	0	0	0.2	3.8
LLG	0	0	0	0	0	0	2.8
GGL	7.6	3.4	3	1.2	2	1.2	1
LGL	13.4	4	5.2	4	3.8	2.6	2.6
GLL	0	0	0	0	0	0	3.6
LLL	0	0	0	0	0	0	1.8

metric used B1RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	6.2
LGG	8.8	4.8	3.2	2.6	1.8	0.8	1.6
GLG	0	0	0	0	0	0.2	4.2
LLG	0	0	0	0	0	0	2.4
GGL	11.8	2.4	1.6	2.6	1.8	1.6	1.4
LGL	12.8	4.8	3.6	4	3.6	3	3
GLL	0	0	0	0	0	0.2	2.6
LLL	0	0	0	0	0	0.2	2.4

metric used B1RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	6.4
LGG	8.6	4.2	3	1.6	1.6	2.4	0.6
GLG	0	0	0	0	0	0.6	3.4
LLG	0	0	0	0	0	0	2.4
GGL	9	3.2	2.8	2.4	2.2	2.6	0.8
LGL	16.4	6	2.4	3	3.8	2.4	3.2
GLL	0	0	0	0	0	0.2	3.4
LLL	0	0	0	0	0	0.2	1.2

metric used B2RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	7.2
LGG	9	3	2.4	1.8	1.4	2.2	2.2
GLG	9	4.6	3.2	1.2	1.6	3	2.6
LLG	12.6	5.2	5	4.2	2.2	2.8	1.6
GGL	0	0	0	0	0	0.2	3.2
LGL	0	0	0	0	0	0.2	1.6
GLL	0	0	0	0	0	0.4	4
LLL	0	0	0	0	0	0	2.4

metric used B2RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	6.8
LGG	7.6	4.6	3.4	2	2.2	2.6	1
GLG	9.2	4.6	2.8	1.8	2.6	2.6	1.8
LLG	11.4	4.8	4	3.8	3.4	1.6	2.4
GGL	0	0	0	0	0	0.4	3.2
LGL	0	0	0	0	0	0.2	1.6
GLL	0	0	0	0	0	0.2	3
LLL	0	0	0	0	0	0	4.4

metric used B2RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	6.8
LGG	10.2	2.4	2.4	2.2	1.8	1	2
GLG	8.6	2.8	2.6	1	2.6	1.6	1
LLG	13.4	5.6	5	3.4	3.6	3.2	2.4
GGL	0	0	0	0	0.2	0.8	3
LGL	0	0	0	0	0	0	2.8
GLL	0	0	0	0	0	0	4.6
LLL	0	0	0	0	0	0.2	2.8

metric used B2RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	8
LGG	10	5.2	3	2	2	1.6	1
GLG	8.8	3.6	2	1.4	2.4	1.4	1.6
LLG	12.6	4.6	2.6	6.8	3.8	3.6	0.8
GGL	0	0	0	0	0	0.6	1.4
LGL	0	0	0	0	0	0	3.2
GLL	0	0	0	0	0	0.6	3
LLL	0	0	0	0	0	0	2.4

metric used B2RMSE

model selected	1	2	3	4	5	6	7
GGG	0	0	0	0	0	0	6.6
LGG	10	4	3.8	2	1.6	1.8	2.2
GLG	12	4.4	1.6	1.2	1.8	2.6	2.8
LLG	10.4	5.4	4.8	3.2	1.2	2.4	2
GGL	0	0	0	0	0	0.2	2.2
LGL	0	0	0	0	0	0	2.8
GLL	0	0	0	0	0	0	4
LLL	0	0	0	0	0	0.2	2.8