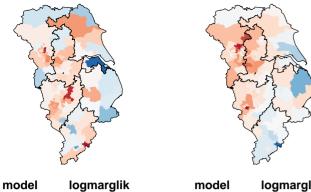
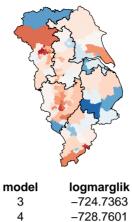
## (a) Model 3: ICAR constant sd (= 0.7)

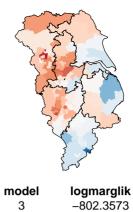


odel	logmarglik
3	-727.1422

-731.6424

-733.0689





-808.2045

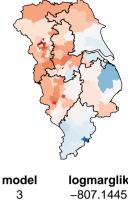
-818.3105

-819.8100

-779.6733

7

3



-812.0311

-841.4584

-896.5503

-908.1886

-806.7413

7

3

(b)	<b>Model 5: ICAR</b>	constant sd	(= 0.7)	) + reg	ion effec	cts

7

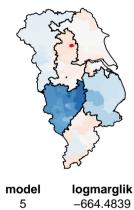
5

3

-709.2161

-712.1072

-713.2327



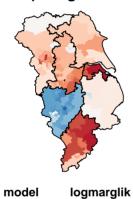
3

4

7

7

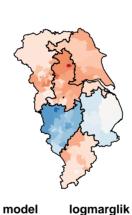
3



-860.2551

-909.4685

-914.6527



5

3

3

-730.0081

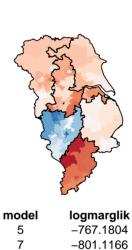
-641.0540

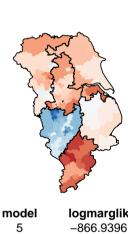
-670.9696

-677.8632

-787.3889

-802.4876

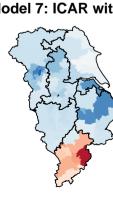


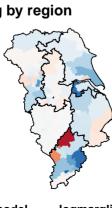


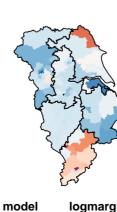
(c) Model 7: ICAR with sd varying by region

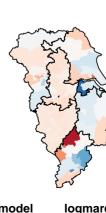
-701.4853

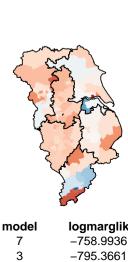
-711.0666











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model	logmarglik	model	logr
7	-816.6206	7	logr –71
3	-855.7383	3	-75
5	-871.6144	5	-77

(5~		
model	logmarglik	
7	-719.8015	
3	-759.4610	
5	-773.8005	

of Edvernord and a second	
odel	logmarglik
7	-738.4964

A Company of the Comp	
model	logmarglik
7	-725.2741
3	-768.7408