

lasso

nnet

Sex											4 (5%)		9 (2%)		9 (2%)		5 (4%)			
rs8056290_A1(PRKCB)																				
rs80299807_AT1																				
rs80136977_A1(ADCY10)																				
rs79469272_G1(SYT1)													6 (3%)							
rs79334605_A1(SYT1)													9 (3%)							
rs78005227_T1(SYT1)	9 (3%)		5 (5%)								4 (6%)		1 (7%)		4 (6%)					
rs7786782_A1(PRKAG2)																				
rs77312623_A1(SYT1)	7 (3%)		4 (5%)		7 (3%)								8 (3%)							
rs76863165_A2(NA)													4 (5%)							
rs75618936_A1(SYT1)	6 (3%)		3 (5%)		6 (3%)															
rs74560629_G1(SYT1)			7 (4%)										7 (3%)							
rs7335541_A1(SYT1)			8 (4%)						7 (2%)						8 (2%)					
rs6947064_G1(PRKAG2)																				
rs62468660_T2(NA)			2 (9%)										3 (6%)							
rs62465540_A2(NA)			1 (10%)										2 (6%)							
rs3813755_C1(ADCY7)											9 (4%)		3 (7%)				3 (7%)		4 (7%)	
rs3785383_A1(PRKCB)											5 (5%)								6 (4%)	
rs369471693_AT1																				
rs2888788_G1(PRKAG2)																				
rs1872691_A1(BRD7-ADCY7)	8 (3%)				8 (3%)		8 (5%)				2 (7%)				2 (7%)		3 (8%)			
rs17046359_G2(SYT1)			9 (3%)																	
rs141892450_A2(GNA12)													5 (4%)							
rs118186402_A1(GNA14)																				
rs10480299_C1(PRKAG2)																				
rs10254101_T2(PRKAG2)	4 (5%)				4 (4%)						8 (2%)				7 (3%)					
rs10254101_T1(PRKAG2)											9 (3%)		6 (5%)						8 (3%)	
rs10224002_G2(PRKAG2)	2 (9%)		6 (4%)		2 (10%)		7 (5%)		5 (5%)				5 (4%)		9 (3%)					
rs10224002_G1(PRKAG2)	3 (5%)				3 (5%)		2 (6%)								7 (4%)					
e3e4(APOE)1																				
CR (Education)	5 (4%)				5 (3%)		3 (6%)		6 (4%)				6 (4%)		2 (8%)					
Age	1 (43%)				1 (44%)		1 (25%)		1 (16%)				1 (16%)		1 (16%)					

range

xgboost

	dalex	vip_model	vip_permute	vip_shap	dalex	vip_model	vip_permute	vip_shap
Sex								
rs8056290_A1(PRKCB)	7 (3%)		7 (3%)		3 (1%)	3 (1%)	3 (1%)	3 (4%)
rs80299807_AT1	8 (3%)		8 (3%)	7 (3%)				8 (1%)
rs80136977_A1(ADCY10)	4 (3%)	7 (5%)	4 (3%)	5 (3%)	5 (0%)	5 (0%)	5 (0%)	5 (2%)
rs79469272_G1(SYT1)					7 (0%)	6 (0%)	7 (0%)	9 (0%)
rs79334605_A1(SYT1)								
rs78005227_T1(SYT1)								
rs7786782_A1(PRKAG2)	6 (3%)	6 (5%)	6 (3%)	4 (3%)	4 (1%)	4 (0%)	4 (1%)	4 (3%)
rs77312623_A1(SYT1)								
rs76863165_A2(NA)								
rs75618936_A1(SYT1)								
rs74560629_G1(SYT1)								
rs73355541_A1(SYT1)								
rs6947064_G1(PRKAG2)	5 (3%)	9 (4%)	5 (3%)	6 (3%)				
rs62468660_T2(NA)								
rs62465540_A2(NA)								
rs3813755_C1(ADCY7)								
rs3785383_A1(PRKCB)								
rs369471693_AT1	9 (3%)		9 (3%)					
rs2888788_G1(PRKAG2)	3 (4%)	2 (16%)	3 (4%)	3 (4%)	6 (0%)	8 (0%)	6 (0%)	6 (2%)
rs1872691_A1(BRD7-ADCY7)								
rs17046359_G2(SYT1)								
rs141892450_A2(GNA12)								
rs118186402_A1(GNA14)					9 (0%)	7 (0%)	8 (0%)	
rs10480299_C1(PRKAG2)		8 (5%)						
rs10254101_T2(PRKAG2)								
rs10254101_T1(PRKAG2)		5 (5%)		9 (2%)				
rs10224002_G2(PRKAG2)								
rs10224002_G1(PRKAG2)		4 (5%)		8 (3%)				
e3e4(APOE)1					8 (0%)	9 (0%)	9 (0%)	7 (1%)
CR (Education)	2 (12%)	3 (6%)	2 (12%)	2 (15%)	2 (20%)	2 (18%)	2 (18%)	2 (26%)
Age	1 (27%)	1 (18%)	1 (28%)	1 (31%)	1 (77%)	1 (79%)	1 (78%)	1 (58%)