Wave IV PGS Risk-Tolerance

Title

Wave IV PGS Risk-Tolerance

Abstract

Contains polygenic scores for general risk tolerance, adventurousness and risky behaviors in the driving, drinking, smoking and sexual domains. Polygenic scores were created for unrelated, Add Health participants of European Ancestry. Score metrics were generated using Plink, LDPred or MTAG software using the UK Biobank GWAS study.

Variables: 13

Observations: 4,755

Variables

Wave IV PGS Risk-Tolerance

- PGS_RISK - PGS_RISK_PLINK_GWAS
- PGS_RIS2 - PGS_RISK_LDPRED_GWAS
- PGS_RIS3 - PGS_RISK_LDPRED_MTAG
- PC1
- PC2
- PC3
- PC4
- PC5
- PC6
- PC7
- PC8
- PC9
- PC10

PGS_RISK - PGS_RISK_PLINK_GWAS

Type	Numeric (Double)
Description	Polygenic score for general risk tolerance, obtained using classic PLINK method and standard GWAS results. Note these are reverse-coded.

PGS_RIS2 - PGS_RISK_LDPRED_GWAS

Type	Numeric (Double)
Description	Polygenic score for general risk tolerance, obtained using LDpred method and standard GWAS results

PGS_RIS3 - PGS_RISK_LDPRED_MTAG

Type	Numeric (Double)
Description	Polygenic score for general risk tolerance, obtained using LDpred method and results from multivariate analysis of adventurousness, automobile speeding propensity, drinks per week, ever smoker, number of sexual partners, and lifetime cannabis use

PC1

Type	Numeric (Double)
Description	1st principal component (PC) of the covariance matrix of the individuals genotypic data

PC2

Type	Numeric (Double)
Description	2nd principal component (PC) of the covariance matrix of the individuals genotypic data

PC3

Type	Numeric (Double)
Description	3rd principal component (PC) of the covariance matrix of the individuals genotypic data

PC4

Type	Numeric (Double)
Description	4th principal component (PC) of the covariance matrix of the individuals genotypic data

PC5

Type	Numeric (Double)
Description	5th principal component (PC) of the covariance matrix of the individuals genotypic data

PC6

Type	Numeric (Double)
Description	6th principal component (PC) of the covariance matrix of the individuals genotypic data

PC7

Type	Numeric (Double)

Description	7th principal component (PC) of the covariance matrix of the individuals⧄ genotypic data

PC8

Type	Numeric (Double)
Description	8th principal component (PC) of the covariance matrix of the individuals⧄ genotypic data

PC9

Type	Numeric (Double)
Description	9th principal component (PC) of the covariance matrix of the individuals⧄ genotypic data

PC10

Type	Numeric (Double)
Description	10th principal component (PC) of the covariance matrix of the individuals⧄ genotypic data

Logical Products

Wave IV PGS Risk-Tolerance

Data Layouts

Wave IV PGS Risk-Tolerance

Wave IV PGS Risk-Tolerance

PGS_RISK - PGS_RISK_PLINK_GWAS

Type	Numeric (Double)
Description	Polygenic score for general risk tolerance, obtained using classic PLINK method and standard GWAS results. Note these are reverse-coded.

PGS_RIS2 - PGS_RISK_LDPRED_GWAS

Type	Numeric (Double)
Description	Polygenic score for general risk tolerance, obtained using LDpred method and standard GWAS results

PGS_RIS3 - PGS_RISK_LDPRED_MTAG

Type	Numeric (Double)

Description	Polygenic score for general risk tolerance, obtained using LDpred method and results from multivariate analysis of adventurousness, automobile speeding propensity, drinks per week, ever smoker, number of sexual partners, and lifetime cannabis use

PC1

Type	Numeric (Double)
Description	1st principal component (PC) of the covariance matrix of the individuals◻ genotypic data

PC2

Type	Numeric (Double)
Description	2nd principal component (PC) of the covariance matrix of the individuals◻ genotypic data

PC3

Type	Numeric (Double)
Description	3rd principal component (PC) of the covariance matrix of the individuals◻ genotypic data

PC4

Type	Numeric (Double)
Description	4th principal component (PC) of the covariance matrix of the individuals◻ genotypic data

PC5

Type	Numeric (Double)
Description	5th principal component (PC) of the covariance matrix of the individuals◻ genotypic data

PC6

Type	Numeric (Double)
Description	6th principal component (PC) of the covariance matrix of the individuals◻ genotypic data

PC7

Type	Numeric (Double)
Description	7th principal component (PC) of the covariance matrix of the individuals◻ genotypic data

PC8	
Type	Numeric (Double)
Description	8th principal component (PC) of the covariance matrix of the individuals' genotypic data

PC9	
Type	Numeric (Double)
Description	9th principal component (PC) of the covariance matrix of the individuals' genotypic data

PC10	
Type	Numeric (Double)
Description	10th principal component (PC) of the covariance matrix of the individuals' genotypic data

Physical Instances

Wave IV PGS Risk-Tolerance

Title	Wave IV PGS Risk-Tolerance
File Name	riskpgs.sas7bdat
Case Quantity	4755
Variable Count	13

PGS_RISK - PGS_RISK_PLINK_GWAS	
Type	Numeric (Double)
Description	Polygenic score for general risk tolerance, obtained using classic PLINK method and standard GWAS results. Note these are reverse-coded.

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-3.276866...	3.6309792...	-7.32E-11	1E+0

PGS_RIS2 - PGS_RISK_LDPRED_GWAS	
Type	Numeric (Double)
Description	Polygenic score for general risk tolerance, obtained using LDpred method and standard GWAS results

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-3.295509...	3.3845553...	1.21E-10	1E+0

PGS_RIS3 - PGS_RISK_LDPRED_MTAG	
Type	Numeric (Double)

Description	Polygenic score for general risk tolerance, obtained using LDpred method and results from multivariate analysis of adventurousness, automobile speeding propensity, drinks per week, ever smoker, number of sexual partners, and lifetime cannabis use

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-3.218097...	3.6649067...	-2.93E-10	0.9999999...

PC1

Type	Numeric (Double)
Description	1st principal component (PC) of the covariance matrix of the individuals genotypic data

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-0.069079...	0.0231721...	2.18E-7	0.0144819...

PC2

Type	Numeric (Double)
Description	2nd principal component (PC) of the covariance matrix of the individuals genotypic data

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-0.029585...	0.0783639...	-6.87E-6	0.0144841...

PC3

Type	Numeric (Double)
Description	3rd principal component (PC) of the covariance matrix of the individuals genotypic data

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-0.039884...	0.0325929...	4.27E-6	0.0144807...

PC4

Type	Numeric (Double)
Description	4th principal component (PC) of the covariance matrix of the individuals genotypic data

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-0.040301...	0.0676110...	-1.01E-6	0.0144760...

PC5

Type	Numeric (Double)
Description	5th principal component (PC) of the covariance matrix of the individuals genotypic data

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-0.040139...	0.0653000...	4.13E-6	0.0144626...

PC6

Type	Numeric (Double)
Description	6th principal component (PC) of the covariance matrix of the individuals▯ genotypic data

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-0.043688...	0.0640709...	2.15E-6	0.0144829...

PC7

Type	Numeric (Double)
Description	7th principal component (PC) of the covariance matrix of the individuals▯ genotypic data

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-0.058740...	0.0648081...	-2.31E-5	0.0144633...

PC8

Type	Numeric (Double)
Description	8th principal component (PC) of the covariance matrix of the individuals▯ genotypic data

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-0.054538...	0.0590273...	2.19E-5	0.0144884...

PC9

Type	Numeric (Double)
Description	9th principal component (PC) of the covariance matrix of the individuals▯ genotypic data

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-0.060507...	0.0531201...	1.13E-5	0.0144751...

PC10

Type	Numeric (Double)
Description	10th principal component (PC) of the covariance matrix of the individuals▯ genotypic data

Valid	Invalid	Minimum	Maximum	Mean	StdDev
4755	0	-0.051092...	0.0544148...	1.05E-5	0.0144841...