Wave IV Polygenic Scores – SSGAC

Title

Wave IV Polygenic Scores – SSGAC

Abstract

Polygenic scores (PGS) constructed by the Social Science Genetic Association Consortium (SSGAC) are available for Add Health respondents who provided archival saliva samples for genetic testing at Wave IV. This data file contains educational attainment, cognitive performance, depression, neuroticism, and subjective well-being scores based on standard GWAS summary statistics and multilevel analysis (2 scores for each construct). Additional multivariate analysis scores for highest level math taken and math ability are also included.

Variables: 23

Observations: 5,690

Variables

Wave IV Polygenic Scores – SSGAC

- SPGSEA3G - EDUCATIONAL ATTAINMENT, SSGAC GWAS
- SPGSEA3M - EDUCATIONAL ATTAINMENT, SSGAC MTAG
- SPGSCPG - COGNITIVE PERFORMANCE, SSGAC GWAS
- SPGSCPM - COGNITIVE PERFORMANCE, SSGAC MTAG
- SPGSHMM - HIGHEST-LEVEL MATH TAKEN, SSGAC MTAG
- SPGSMAM - SELF-REPORTED MATH ABILITY, SSGAC MTAG
- SPGSDEPG - DEPRESSION, SSGAC, GWAS
- SPGSDEPM - DEPRESSION, SSGAC MTAG
- SPGSNEUG - NEUROTICISM, SSGAC GWAS
- SPGSNEUM - NEUROTICISM, SSGAC MTAG
- SPGSSWBG - SUBJECTIVE WELL-BEING, SSGAC GWAS
- SPGSSWBM - SUBJECTIVE WELL-BEING, SSGAC MTAG
- SPGSPC1 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH
- SPGSPC2 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH
- SPGSPC3 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH
- SPGSPC4 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH
- SPGSPC5 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH
- SPGSPC6 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH
- SPGSPC7 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH
- SPGSPC8 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH
- SPGSPC9 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH
- SPGSPC10 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

SPGSEA3G - EDUCATIONAL ATTAINMENT, SSGAC GWAS

Type	Numeric (Double)
Description	Polygenic score for educational attainment, obtained using standard GWAS results

SPGSEA3M - EDUCATIONAL ATTAINMENT, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for educational attainment, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

SPGSCPG - COGNITIVE PERFORMANCE, SSGAC GWAS

Type	Numeric (Double)
Description	Polygenic score for cognitive performance, obtained using standard GWAS results

SPGSCPM - COGNITIVE PERFORMANCE, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for cognitive performance, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

SPGSHMM - HIGHEST-LEVEL MATH TAKEN, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for highest-level math class taken, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

SPGSMAM - SELF-REPORTED MATH ABILITY, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for self-reported math ability, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

SPGSDEPG - DEPRESSION, SSGAC, GWAS

Type	Numeric (Double)
Description	Polygenic score for depression, obtained using standard GWAS results

SPGSDEPM - DEPRESSION, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for depression, obtained using multivariate analysis of depression, neuroticism and subjective well-being

SPGSNEUG - NEUROTICISM, SSGAC GWAS

Type	Numeric (Double)
Description	Polygenic score for neuroticism, obtained using standard GWAS results

SPGSNEUM - NEUROTICISM, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for neuroticism, obtained using multivariate analysis of depression, neuroticism and subjective well-being

SPGSSWBG - SUBJECTIVE WELL-BEING, SSGAC GWAS

Type	Numeric (Double)
Description	Polygenic score for subjective well-being, obtained using standard GWAS results

SPGSSWBM - SUBJECTIVE WELL-BEING, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for subjective well-being, obtained using multivariate analysis of depression, neuroticism and subjective well-being

SPGSPC1 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

SPGSPC2 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

SPGSPC3 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

SPGSPC4 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

🗃️ SPGSPC5 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

🗃️ SPGSPC6 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

🗃️ SPGSPC7 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

🗃️ SPGSPC8 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

🗃️ SPGSPC9 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

🗃️ SPGSPC10 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

Logical Products

📊 Wave IV Polygenic Scores – SSGAC

Data Layouts

📋 Wave IV Polygenic Scores – SSGAC

Wave IV Polygenic Scores – SSGAC

🗃️ SPGSEA3G - EDUCATIONAL ATTAINMENT, SSGAC GWAS

Type	Numeric (Double)
Description	Polygenic score for educational attainment, obtained using standard GWAS results

SPGSEA3M - EDUCATIONAL ATTAINMENT, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for educational attainment, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

SPGSCPG - COGNITIVE PERFORMANCE, SSGAC GWAS

Type	Numeric (Double)
Description	Polygenic score for cognitive performance, obtained using standard GWAS results

SPGSCPM - COGNITIVE PERFORMANCE, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for cognitive performance, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

SPGSHMM - HIGHEST-LEVEL MATH TAKEN, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for highest-level math class taken, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

SPGSMAM - SELF-REPORTED MATH ABILITY, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for self-reported math ability, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

SPGSDEPG - DEPRESSION, SSGAC, GWAS

Type	Numeric (Double)
Description	Polygenic score for depression, obtained using standard GWAS results

SPGSDEPM - DEPRESSION, SSGAC MTAG

Type	Numeric (Double)

Description	Polygenic score for depression, obtained using multivariate analysis of depression, neuroticism and subjective well-being

SPGSNEUG - NEUROTICISM, SSGAC GWAS

Type	Numeric (Double)
Description	Polygenic score for neuroticism, obtained using standard GWAS results

SPGSNEUM - NEUROTICISM, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for neuroticism, obtained using multivariate analysis of depression, neuroticism and subjective well-being

SPGSSWBG - SUBJECTIVE WELL-BEING, SSGAC GWAS

Type	Numeric (Double)
Description	Polygenic score for subjective well-being, obtained using standard GWAS results

SPGSSWBM - SUBJECTIVE WELL-BEING, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for subjective well-being, obtained using multivariate analysis of depression, neuroticism and subjective well-being

SPGSPC1 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

SPGSPC2 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

SPGSPC3 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

SPGSPC4 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

SPGSPC5 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

SPGSPC6 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

SPGSPC7 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

SPGSPC8 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

SPGSPC9 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

SPGSPC10 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

Physical Instances

Wave IV Polygenic Scores – SSGAC

Title	Wave IV Polygenic Scores – SSGAC
File Name	ssgacpgs.sas7bdat
Case Quantity	5690
Variable Count	22

SPGSEA3G - EDUCATIONAL ATTAINMENT, SSGAC GWAS

Type	Numeric (Double)

Description	Polygenic score for educational attainment, obtained using standard GWAS results

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.30494	0.74812	0.2028727...	0.1487078...

SPGSEA3M - EDUCATIONAL ATTAINMENT, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for educational attainment, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.26512	0.92896	0.2965658...	0.1635296...

SPGSCPG - COGNITIVE PERFORMANCE, SSGAC GWAS

Type	Numeric (Double)
Description	Polygenic score for cognitive performance, obtained using standard GWAS results

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.38431	0.78524	0.2199662...	0.1609762...

SPGSCPM - COGNITIVE PERFORMANCE, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for cognitive performance, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.43285	1.2357	0.4093559...	0.2306889...

SPGSHMM - HIGHEST-LEVEL MATH TAKEN, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for highest-level math class taken, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.66943	1.20904	0.2839547...	0.2443992...

SPGSMAM - SELF-REPORTED MATH ABILITY, SSGAC MTAG

Type	Numeric (Double)

Description	Polygenic score for self-reported math ability, obtained using multivariate analysis of educational attainment, cognitive performance, self-reported math ability and highest-level math class taken

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.57515	0.79868	0.1180859...	0.1785788...

SPGSDEPG - DEPRESSION, SSGAC, GWAS

Type	Numeric (Double)
Description	Polygenic score for depression, obtained using standard GWAS results

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.25682	0.25604	-0.004030...	0.0699085...

SPGSDEPM - DEPRESSION, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for depression, obtained using multivariate analysis of depression, neuroticism and subjective well-being

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.27669	0.31887	0.0186877...	0.0817165...

SPGSNEUG - NEUROTICISM, SSGAC GWAS

Type	Numeric (Double)
Description	Polygenic score for neuroticism, obtained using standard GWAS results

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.14269	0.34431	0.0848812...	0.0693552...

SPGSNEUM - NEUROTICISM, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for neuroticism, obtained using multivariate analysis of depression, neuroticism and subjective well-being

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.28326	0.47736	0.0790737...	0.1014335...

SPGSSWBG - SUBJECTIVE WELL-BEING, SSGAC GWAS

Type	Numeric (Double)
Description	Polygenic score for subjective well-being, obtained using standard GWAS results

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.17925	0.20351	-0.001762...	0.0498652...

SPGSSWBM - SUBJECTIVE WELL-BEING, SSGAC MTAG

Type	Numeric (Double)
Description	Polygenic score for subjective well-being, obtained using multivariate analysis of depression, neuroticism and subjective well-being

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.27483	0.2409	-0.020514...	0.0689737...

SPGSPC1 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.54918	0.08156	4.39E-8	0.0132580...

SPGSPC2 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.53131	0.24787	1.58E-8	0.0132580...

SPGSPC3 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.02088	0.10643	2.64E-8	0.0132581...

SPGSPC4 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.51954	0.18045	2.99E-8	0.0132581...

SPGSPC5 - RANDOMIZED PCS, SSGAC 1ST THRU 5TH

Type	Numeric (Double)
Description	Randomized PC, include PC1-PC5 in analyses that use any PC from PC1 to PC5

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.17196	0.4292	3.51E-9	0.0132580...

SPGSPC6 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.56317	0.12763	-3.69E-8	0.0132580...

SPGSPC7 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.25331	0.49432	-4.92E-8	0.0132582...

SPGSPC8 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.44707	0.08937	-5.27E-8	0.0132581...

SPGSPC9 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.08975	0.54489	4.39E-8	0.0132581...

SPGSPC10 - RANDOMIZED PCS, SSGAC 6TH THRU 10TH

Type	Numeric (Double)
Description	Randomized PC, include PC6-PC10 in analyses that use any PC from PC6 to PC10

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5690	0	-0.2777	0.10967	-4.92E-8	0.0132582...