

OHBM 2024 abstract: Tables from Predictability of phenotype information from functional connectivity in large imaging datasets

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The following two tables are lists of tabular phenotype variables used in the analysis reported in the aforementioned OHBM 2024 poster abstract.

1 Human Connectome Project (HCP)

List of tabular phenotypes used from the HCP dataset.

Variable	Description	Category
AngAffect_Unadj	Anger-Affect Survey: Unadjusted	Emotion (NIH Toolbox)
AngAggr_Unadj	Anger-Physical Aggression Survey: Unadjusted	Emotion (NIH Toolbox)
AngHostil_Unadj	Anger-Hostility Survey: Unadjusted	Emotion (NIH Toolbox)
ASR_Aggr_T	Aggressive Behavior Gender and Age Adjusted T-score	Psychiatric/Life Function
ASR_Anxd_Pct	Anxious/Depressed Gender and Age Adjusted T-score	Psychiatric/Life Function
ASR_Attn_T	Attention Problems Gender and Age Adjusted T-score	Psychiatric/Life Function
ASR_Extn_T	Externalizing Gender and Age Adjusted T-score	Psychiatric/Life Function
ASR_Intn_T	Internalizing Gender and Age Adjusted T-score	Psychiatric/Life Function
ASR_Intr_T	Intrusive Gender and Age Adjusted T-score	Psychiatric/Life Function
ASR_Rule_T	Rule Breaking Behavior Gender and Age Adjusted T-score	Psychiatric/Life Function
ASR_Soma_T	Somatic Complaints Gender and Age Adjusted T-score	Psychiatric/Life Function
ASR_TAO_Sum	Sum of Thought, Attention, and Other Problems Raw Score	Psychiatric/Life Function
ASR_Thot_T	Thought Problems Gender and Age Adjusted T-score	Psychiatric/Life Function
ASR_Totp_T	Total Problems Gender and Age Adjusted T-score	Psychiatric/Life Function
ASR_Witd_T	Withdrawn Gender and Age Adjusted T-score	Psychiatric/Life Function
CardSort_Unadj	Dimensional Change Card Sort Test: Unadjusted	Cognition (NIH Toolbox)
CogCrystalComp_AgeAdj	Cognition Crystallized Composite: Age Adjusted	Cognition (NIH Toolbox)
CogEarlyComp_AgeAdj	Cognition Early Childhood Composite: Age Adjusted	Cognition (NIH Toolbox)
CogFluidComp_AgeAdj	Cognition Fluid Composite: Age Adjusted	Cognition (NIH Toolbox)
CogTotalComp_AgeAdj	Cognition Total Composite Score: Age Adjusted	Cognition (NIH Toolbox)
DDisc_AUC_200	Area Under the Curve for Delay Discounting of \$200	Cognition
DDisc_AUC_40K	Area Under the Curve for Delay Discounting of \$40,000	Cognition
Dexterity_Unadj	9-hole Pegboard Dexterity Test: Unadjusted	Motor (NIH Toolbox)
Emotion_Task_Face_Acc	Accuracy % during FACE blocks in EMOTION task	In-Scanner Task
EmotSupp_Unadj	Emotional Support Survey: Unadjusted	Emotion (NIH Toolbox)
Endurance_Unadj	2-minute Walk Endurance Test: Unadjusted	Motor (NIH Toolbox)
ER40ANG	Number of Correct Anger Identifications	Emotion (Penn ER Test)
ER40FEAR	Number of Correct Fear Identifications	Emotion (Penn ER Test)
ER40NOE	Number of Correct Neutral Identifications	Emotion (Penn ER Test)
ER40SAD	Number of Correct Sad Identifications	Emotion (Penn ER Test)
ER40_CR	Number of Correct Responses	Emotion (Penn ER Test)
ER40_CRT	Correct Responses Median Response Time (ms)	Emotion (Penn ER Test)
FearAffect_Unadj	Fear-Affect Survey: Unadjusted	Emotion (NIH Toolbox)
FearSomat_Unadj	Fear-Somatic Arousal Survey: Unadjusted	Emotion (NIH Toolbox)
Flanker_Unadj	Flanker Test: Unadjusted Scale Score	Cognition (NIH Toolbox)
Friendship_Unadj	Friendship Survey: Unadjusted	Emotion (NIH Toolbox)

GaitSpeed.Comp	4-Meter Walk Gait Speed Test: Computed Score	Motor (NIH Toolbox)
InstruSupp_Unadj	Instrumental Support Survey: Unadjusted	Emotion (NIH Toolbox)
IWRD_TOT	Word Memory: Total Number of Correct Responses	Cognition (Penn Tests)
Language_Task_Math_Avg	Language Task MATH difficulty level	Language
Language_Task_Story_Avg	Language Task STORY difficulty level	Language
LifeSatisf_Unadj	General Life Satisfaction Survey: Unadjusted	Emotion (NIH Toolbox)
ListSort_Unadj	List Sorting Working Memory Test: Unadjusted	Cognition (NIH Toolbox)
Loneliness_Unadj	Loneliness Survey: Unadjusted	Emotion (NIH Toolbox)
Mars_Final	Mars Final Contrast Sensitivity Score	Sensory
MeanPurp_Unadj	Meaning and Purpose Survey Unadjusted	Emotion (NIH Toolbox)
MMSE_Score	Mini Mental Status Exam Total Score	Alertness
NEOFAC_A	Agreeableness	Personality (NEO-FFI)
NEOFAC_C	Conscientiousness	Personality (NEO-FFI)
NEOFAC_E	Extraversion	Personality (NEO-FFI)
NEOFAC_N	Neuroticism	Personality (NEO-FFI)
NEOFAC_O	Openness to Experience	Personality (NEO-FFI)
Odor_Unadj	Odor Identification Age 3+ Unadjusted	Sensory (NIH Toolbox)
PainInterf_Tscore	Pain Interference Survey Age 18+: T-score	Sensory (NIH Toolbox)
PercHostil_Unadj	Perceived Hostility Survey: Unadjusted	Emotion (NIH Toolbox)
PercReject_Unadj	Perceived Rejection Survey: Unadjusted	Emotion (NIH Toolbox)
PercStress_Unadj	Perceived Stress Survey: Unadjusted	Emotion (NIH Toolbox)
PicSeq_AgeAdj	Picture Sequence Memory Test: Age-Adjusted	Cognition (NIH Toolbox)
PicVocab_AgeAdj	Picture Vocabulary Test: Age-Adjusted	Cognition (NIH Toolbox)
PicVocab_Unadj	Picture Vocabulary Test: Unadjusted	Cognition (NIH Toolbox)
PMAT24_A_CR	Progressive Matrices Number of Correct Responses	Cognition (Penn Tests)
PosAffect_Unadj	Positive Affect Survey: Unadjusted	Emotion (NIH Toolbox)
ProcSpeed_AgeAdj	Pattern Comparison Processing Speed: Age-Adjusted	Cognition (NIH Toolbox)
PSQI_Score	Pittsburgh Sleep Questionnaire Total Score	Alertness
ReadEng_AgeAdj	Oral Reading Recognition Test: Age Adjusted	Cognition (NIH Toolbox)
ReadEng_Unadj	Oral Reading Recognition Test: Unadjusted	Cognition (NIH Toolbox)
Relational_Task_Acc	Average accuracy % during RELATIONAL task	In-Scanner Task
Sadness_Unadj	Sadness Survey: Unadjusted	Emotion (NIH Toolbox)
SCPT_SEN	Short Continuous Performance Test: Sensitivity	Cognition (Penn Tests)
SCPT_SPEC	Short Continuous Performance Test: Specificity	Cognition (Penn Tests)
SelfEff_Unadj	Self-Efficacy Survey: Unadjusted	Emotion (NIH Toolbox)
Social_Task_Perc_Random	Overall % of stimuli that the subject rated as random	In-Scanner Task
Social_Task_Perc_TOM	Overall % of stimuli that received a social rating	In-Scanner Task
Strength_Unadj	Grip Strength Test: Unadjusted	Motor (NIH Toolbox)
Taste_Unadj	Regional Taste Intensity Age 12+ Unadjusted	Sensory (NIH Toolbox)
VSPLOT_TC	Variable Short Penn Line Orientation Test: Total Correct	Cognition (Penn Tests)
WM_Task_Acc	Accuracy across all conditions in working memory task	In-Scanner Task

2 Philadelphia Neurodevelopmental Cohort (PNC)

List of tabular phenotypes used from the PNC dataset.

Variable	Description
Letter N-Back (LNB) task	
LNB_MCR	Number of Correct Responses to for 1-Back and 2-Back Trials
LNB_MRTC	Mean of the Median Response Time for Correct Responses for 1-Back (TP) and for 2-Back (TP) Trials
Motor Praxis (MP) task	
MP_MP2RTCR	Median Response Time for Correct Mouse Click Responses
Penn Age Differentiation Test (PADT)	
PADT_A	Total Correct Responses for All Test Trials, by genus
PADT_PC	Percent Correct Responses for All Test Trials, by genus
PADT_SAME_PC	Percent Correct Responses to Test Trials with No Age Difference, by genus
PADT_T	Median Response Time for All Test Trials, by genus
Penn Conditional Exclusion Test (PCET)	
PCET_ACC2	Calculated Accuracy Measure
PCET_CAT	Number of Categories Achieved
Penn Continuous Performance Test (PCPT)	
PCPT_T_FP	Total of Incorrect Responses to Number Trials (TP) and Letter Trials (FP)
PCPT_T_FPRT	Median Response Time for Incorrect Responses to Number Trials (TP) and Letter Trials (TP)
PCPT_T_TP	Total of Correct Responses to Number Trials (TP) and Letter Trials (TP)
PCPT_T_TPRT	Median Response Time for Correct Responses to Number Trials (TP) and Letter Trials (TP)
Penn Emotion Differentiation Test (PEDT)	
PEDT_A	Total Correct Responses for All Test Trials, by genus
PEDT_ANG_PC	Percent of Correct Responses for Anger Trials, by genus
PEDT_FEAR_PC	Percent of Correct Responses for Fear Trials, by genus
PEDT_HAP_PC	Percent of Correct Responses for Happy Trials, by genus
PEDT_PC	Percent of Correct Responses for All Test Trials, by genus
PEDT_SAD_PC	Percent of Correct Responses for Sad Trials, by genus
PEDT_SAME_PC	Percent Correct Responses to Test Trials with Neutral Difference, by genus
PEDT_T	Median Response Time for All Test Trials, by genus
Penn Emotion Identification Test (PEIT)	
PEIT_CR	Total Correct Responses for All Test Trials, by genus
PEIT_CRT	Median Response Time for Total Correct Test Trial Responses, by genus
Penn Face Memory task (PFMT)	
PFMT_IFAC_RTC	Median Response Time for Total Correct Test Trial Responses
PFMT_IFAC_TOT	Total Correct Responses for All Test Trials
Penn Line Orientation Test (PLOT)	
PLOT_PC	Percent Correct Responses for All Test Trials, by genus
PLOT_TC	Total Correct Responses for All Test Trials, by genus
PLOT_TCRT	Median Response Time for Correct Trials, by genus
Primary Mental Abilities Test (PMAT)	
PMAT_CR	Total Correct Responses for All Test Trials, by genus
Penn Verbal Reasoning Test (PVRT)	
PVRT_CR	Total Correct Responses for All Test Trials, by genus
PVRT_RTCR	Median Response Time for Correct Verbal Reasoning Responses, by genus
PVRT_RTERR	Median Response Time for Incorrect Verbal Reasoning Responses, by genus

Penn Word Memory task (PWMT)	
PWMT_KIWRD_RTC	Median Response Time for Total Correct Test Trial Responses
PWMT_KIWRD_TOT	Total Correct Responses for All Test Trials
Visual Object Learning Test (VOLT)	
VOLT_SVT	Total Correct Responses for All Test Trial
VOLT_SVTCRT	Median Response Time for Total Correct Responses
VOLT_SVTIRT	Median Response Time for Incorrect Responses
Wide Range Achievement Test (WRAT)	
WRAT_CR_RAW	Total Raw Score
WRAT_CR_STD	Total Standard Score