VARIABLE NAMES & EXPLANATIONS FOR MIDUS REFRESHER PROJECT 5

Character 1: MIDUS Sample
R = MIDUS Refresher

Character 2: MIDUS Wave
A = Wave 1

Character 3: Project #
5 = Project #5

Character 4: Measure
S = Self-reports
B = Startle Eyeblink
C = Corrugator EMG
L = Zygomaticus EMG
K = Heart Rate Variability
R = Response Times
A = Response Accuracy
N = CANTAB Cognitive measures
D = Cube & Paper Test
F = Free Recall
T = Picture Ratings
P = Participant Characteristics
H = Handedness
O = Hearing Test
I = Filter for completed MRI
E = Extracted Structural Brain Measurements
W = Extracted Diffusion Tensor Imaging Measurements

Remaining characters differ for each measure (i.e., are nested within preceding character 3)

For Ch4 = S (i.e., for Self-reports):
Characters 5 & 6: Scale
DP = Dispositional Positive Affect Scale (DPES)
PG = General Form of the Positive & Negative Affect Schedule (PANAS)
P1 = Now Form of the PANAS, Time 1 (prior to psychophysiology emotion response task)
P2 = Now Form of the PANAS, Time 2 (after psychophysiology emotion response task)
P3 = Now Form of the PANAS, Time 3 (prior to MRI emotion response task)
P4 = Now Form of the PANAS, Time 4 (after MRI emotion response task)
IR = Interpersonal Reactivity Index (IRI)
S1 = Spielberger State Anxiety Scale (STAI-X1), Time 1 (prior to psychophysiology emotion response task)
S2 = Spielberger State Anxiety Scale (STAI-X1), Time 2 (after psychophysiology emotion response task)
S3 = Spielberger State Anxiety Scale (STAI-X1), Time 3 (prior to MRI emotion response task)
S4 = Spielberger State Anxiety Scale (STAI-X1), Time 4 (after MRI emotion response task)

ST = Spielberger Trait Anxiety Scale (STAI-X2)
ER= Emotion Regulation Questionnaire, Reappraisal
ES = Emotion Regulation Questionnaire, Suppression

For Ch5 & 6 = DP:

Character 7: Subscale

C = Contentment
J = Joy
H = Hope
L = Love/Attachment
D = Desire
O = Compassion
P = Pride
G = Gratitude
A = Amusement
W = Awe
I = Interest

Characters 8 & 9: Measure

None = Summary Measures
Numbers = Individual Questions

For Ch5 & 6 = PG, P1, P2, P3, or P4:

Character 7: Subscale

P = Positive Affect
N = Negative Affect

Characters 8 & 9: Measure

None = Summary Measures
Numbers = Individual Questions

For Ch5 & 6 = IR:

Character 7: Subscale

PT = Perspective-Taking Scale
FS = Fantasy Scale
EC = Empathic Concern Scale
PD = Personal Distress Scale

Characters 8 & 9: Measure

None = Summary Measures
Numbers = Individual Questions

For Ch5 & 6 = S1, S2, S3, S4, or ST:

Characters 7 & 8: Measure

None = Summary Measures
Numbers = Individual Questions numbers.

For Ch5 & 6 = ER or ES:

Characters 7 & 8: Measure

None = Summary Measures
Numbers = Individual Questions numbers.

For Ch4 = B (i.e., for Eyeblink Startle):

RA5B = number of valid eyeblink startle responses measured over entire paradigm.

Character 5: Picture Valence

N = Negative
O = Neutral
P = Positive

Character 6: Probe Time

E = Early (2900 ms after picture onset)
M = Mid (4400 ms after picture onset)
L = Late (5900 ms after picture onset)

Character 7: Metric

A = Amplitude (includes only responses, so assesses height of response)
M = Magnitude (includes no responses as a zero, so averaging will be affected by no responses)

For Ch4 = C or L (i.e., for Corrugator and Zygomaticus EMG):

RA5C = filter for good corrugator data (bad corrugator data might exhibit high levels of noise and/or artifact)

RA5L = filter for good zygomaticus data (bad corrugator data might exhibit high levels of noise and/or artifact)

Character 5: Picture Valence

N = Negative
O = Neutral
P = Positive

Character 6: Time

E = early (1-4 seconds following picture onset)
M = middle (5-8 seconds following picture onset)
L = late (9-12 seconds following picture onset)

For Ch4 = K (i.e. for EKG data)

Character 5: Session Type

1 = Psychophysiology (baseline recording)
2 = Scan (resting state recording)

Characters 6 & 7: Heart rate variability metric

LF = low frequency band
HF = high frequency band
FF = ratio low frequency over high frequency
HR = heart rate
NI = Number of interbeat intervals
MI = Mean interbeat interval
MH = Mean heart rate
SN = Standard deviation of RR beats (SDNN)
RM = Root means squared successive differences between RR intervals (RMSSD)
MS = Mean of successive differences between RR intervals (MSD)
PN = “Percentage of successive normal to normal intervals that differ by more than 50 milliseconds” (PNN50) (Shaffer, McCraty & Zerr, 2014)
CV = Cardiac vagal index (CVI)
CS = Cardiac sympathetic index (CSI)

TL = ToichiL (length of longitudinal axis in Lorenz plot of interbeat intervals (Toichi, Sugiura, Murai, & Sengoku, 1997))
TT = ToichiT (length of transverse axis in Lorenz plot of interbeat intervals (Toichi, Sugiura, Murai, & Sengoku, 1997))
LH = logHRV (log of time variance in unfiltered interbeat interval series)
LR = logRSA (log of respiratory sinus arrhythmia)
AT = CMetX artifact threshold (in milliseconds) (Allen, Chambers, & Towers, 2007); filter variable

For Ch4 = R or A (i.e., for reaction time and accuracy measures):

Character 5: Picture Valence

N = Negative
O = Neutral
P = Positive

For Ch4 = N (i.e., for CANTAB cognitive assessments):

Character 5: Test type

M = Motor Screening Task
I = Intra-Extra Dimensional Set Shift
A = Affective Go/No-Go
S = Information Sampling Task
T = Attention Switching Task
E = Emotion Recognition Task
G = Cambridge Gambling Task

For Ch5 = M:

Character 6: Measure

E = Mean Error
L = Mean Latency

For Ch5 = I:

Character(s) 6 (& 7): Measure type

Numbers = Stage-related measures. See concordance table for list of measures
T = Totals
C = Calculated Measures

For Ch6 = T or C:

Characters 7 & 8: Measure

Numbers = Total measures. See concordance table for list of measures

For Ch5 = A:

Character 6: Measure

R = Affective Response Bias (Mean)
L = Mean Correct Latency
T = Total Commissions/Omissions

For Ch6 = L:

Characters 7 & 8: Trial Type

Numbers = Condition (Positive/Negative/Neutral, Shift/Non-shift)

For Ch6 = T:

Character 7: Responses/Non-responses

M = Total Commissions

O = Total Omissions

Character 8: Trial Type

None = Total

Number = Condition (Positive/Negative/Neutral, Shift/Non-shift)

For Ch5 = S:

Characters 6 & 7: Measure

Numbers = See Concordance Table for list of measures

For Ch5 = T:

Character 6: Measure Type

T = Totals

P = Percentages

L = Latency-Related Measures

C = Cost-Related Measures

For Ch6 = T, P, or L:

Characters 7 & 8: Measure

Numbers = See Concordance Table for list of measures

For Ch6 = C:

Character 7: Measure/Trial Type

C = Mean Congruency Cost

S = Mean Switch Cost

For Ch7 = C or S:

Character 8: Response Type

C = Correct

I = Incorrect

None = All Responses (Correct & Incorrect)

For Ch5 = E:

Character 6: Measure Type

P = Percentages

T = Totals

L = Latency-Related Measures

For Ch6 = P or T:

Character 7: Response Type

C = Correct

I = Incorrect

Character 8: Stimulus Type

Number = See Concordance Table for list of measures

None = Total Correct (All Stimulus Types)

For Ch6 = L:

Characters 7 & 8: Stimulus/Response Type
Numbers = See Concordance Table for list of measures
None = Mean Overall Response Latency

For Ch5 = G:

Character 6: Measure Type
A = Delay Aversion
D = Deliberation Time
P = Overall Proportion Bet
Q = Quality of Decision-Making
J = Risk Adjustment
R = Risk Taking

Character 7: Trial Type
A = Ascending Trials
D = Descending Trials
None = All Trials

For Ch4 = D:

RA5D = Cube & Paper Total Correct

For Ch4 = F:

Character 5: Measure
R = Total Recalled
S = Total Recalled (Social)
X = Total Recalled (Non-Social)
P = Total Recalled (Positive)
N = Total Recalled (Negative)
O = Total Recalled (Neutral)

For Ch4 = T:

Character 5: Rating Scale
V = Valence
A = Arousal

Character 6: Picture Valence
P = Positive
N = Negative
O = Neutral

Character 7: Session
1 = Psychophysiology
2 = MRI

For Ch4 = P:

Character 5: Participant Characteristic
G = Gender
H = Height
W = Weight
B = BMI
A = Age
S = Sample (i.e., Main or Milwaukee)

For Ch5 = H:

Character 6: Units of Measurement
M = Metric (Centimeters)
C = Feet/Inches

For Ch4 = O:

Character 5: Side of hearing test
L =Left Ear
R = Right Ear

Character 6: Frequency of tone
1 = 250 Hz
2 = 500 Hz
3 = 1000 Hz

For Ch4 = E:

Character 5: Measurement Type
A = Cortical Area
C = Cortical Curvature
T = Cortical Thickness
V = Cortical Volume
S = Subcortical Volume
B = Brain-Predicted Age

Character 6: Brain Hemisphere
L = Left Hemisphere
R = Right Hemisphere
N = N/A: Measure is bilateral

Character 7: Freesurfer Brain Atlas or Module
D = Destrieux
K = Desikan-Killiany
A = Aseg Subcortical Atlas or Hippocampal Subfield/Amygdala Nuclei Module

Characters 8-9: Numbers = See Concordance Table for list of measures

For Ch4 = W:

Character 5: Measurement Type
F = Fractional Anistropy (FA)
M = Mean Diffusivity (MD)
R = Radial Diffusivity (RD)
A = Axial Diffusivity (AD)

Character 6: Brain Hemisphere
G = Global Measure
L = Left Hemisphere
R = Right Hemisphere
N = N/A: Measure is bilateral

Character 7: Method Used
I = IIT Atlas
J = JHU Atlas
T = Manual Tractography

Characters 8-9: Numbers = See Concordance Table for list of measures

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