**Pilot Codebook - EMA**

*This codebook contains measures from both iterations (2017 and 2018) of the pilot study.*

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# Notes

\* For each measure, we have included a narrative, psychometrics (both from the literature and our own sample), citations, and a data dictionary along with calculated variables. Not all variables have been named or calculated, and so those fields have been left blank. Variable names listed here are what the variables should be renamed during the cleaning process. We have reported the omega values in our own sample with the polycorrelations option turned off, since estimates did not substantially differ when we compared them with and without that option.

*\*\*\* Items that are reverse coded or require recoding will be indicated by a bolded variable name and an item name ending in “.r”*

# Positive and Negative Affect

## Narrative

The following items were designed by project staff to assess the participant’s recent emotional state. Ten emotion prompts are provided to assess positive and negative emotions, with five emotion words for each valence. The positive emotion words are Cheerful, Friendly, Calm, Happy, and Engaged. The negative emotion words are Angry, Anxious, Irritable, Unhappy, and Bored. Participants were prompted to indicate to what extent they have felt each of these ten emotions on a sliding scale ranging from 0 = *Not at all* to 100 = *Very Much*. All of these items are presented to participants at every assessment throughout the day.

## Validity and Reliability

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Watson et al., 1988** | **Pilot 1** | **Pilot 2** |
| **Subscale** | **α** | **RkF** | **RkF** |
| Negative Affect | 0.89 | 0.98 | 0.99 |
| Positive Affect | 0.85 | 0.99 | 0.99 |

The PANAS, which the vast majority of the emotion words were drawn from, is a well-established and widely used measure of positive and negative affect. It has also been demonstrated to predict anxiety and depression (Crawford & Henry, 2004; Petrie et al., 2012). Previous literature has also provided support for differentiating among positive and negative emotions on the within-person level using similar emotion dimensions (Jacobson et al., 2020).

## Citations

## Crawford, J. R., & Henry, J. D. (2004). The Positive and Negative Affect Schedule (PANAS): Construct validity, measurement properties and normative data in a large non‐clinical sample. *British journal of clinical psychology*, *43*(3), 245-265.

Jacobson, N. C., Evey, K. J., Wright, A. G., & Newman, M. G. (2020). Integration of discrete and global building blocks of affect: Specific affect within-persons and global affect between-persons.

Petrie, J. M., Chapman, L. K., & Vines, L. M. (2013). Utility of the PANAS-X in predicting social phobia in African American females. *Journal of Black Psychology*, *39*(2), 131-155.

Watson, D., Clark, L. A., & Tellegen, A. (1988). Development and validation of brief measures of positive and negative affect: the PANAS scales. *Journal of personality and social psychology*, *54*(6), 1063.

## Data Dictionary

**Prompt:** None

**Response options:** slider bar from 0-100 labeled from left to right: Not at all, Somewhat, Very Much

**Data sets:** Both Pilots 1 and 2

|  |  |  |
| --- | --- | --- |
| **Variable Name** | **Description** | **Subscale** |
| mood.angry/  mood.anxious/  mood.irritable/  mood.unhappy/  mood.bored/ | **In the past 10 minutes,** how much have you felt: (Angry, Anxious, Irritable, Unhappy, Bored)  [The 5 emotions are listed below] |  |
| mood.angry | Angry | Negative Affect |
| mood.anxious | Anxious | Negative Affect |
| mood.irritable | Irritable | Negative Affect |
| mood.unhappy | Unhappy | Negative Affect |
| mood.bored | Bored | Negative Affect |
| mood.cheerful/  mood.friendly/  mood.calm/  mood.happy/  mood.engaged | **In the past 10 minutes,** how much have you felt: (Cheerful, Friendly, Calm, Happy, Engaged)  [The 5 emotions are listed below] |  |
| mood.cheerful | Cheerful | Positive Affect |
| mood.friendly | Friendly | Positive Affect |
| mood.calm | Calm | Positive Affect |
| mood.happy | Happy | Positive Affect |
| mood.engaged | Engaged | Positive Affect |

## 

## Calculated Variables

Calculate negative and positive affect scores by taking the mean of all administered items from each scale.

|  |  |  |
| --- | --- | --- |
| **Calculated variable** | **Calculated variable name** | **Items** |
| Negative Affect  (mean) | NA.obs | mood.angry, mood.anxious, mood.irritable, mood.unhappy,  mood.bored |
| Positive Affect  (mean) | PA.obs | mood.cheerful, mood.friendly,  mood.calm, mood.happy, mood.engaged |

## 

# Previous Night Marijuana Use

## Narrative

The following items were designed by project staff to assess the participant’s marijuana consumption and behaviors from the previous night.

## Validity and Reliability

These items are not scales; thus no validity or reliability is provided.

## Citations

Written by SMS Project staff.

## Data Dictionary

**Prompt:** None

**Response options:** varies by question

**Data sets:** both Pilots 1 and 2

|  |  |  |
| --- | --- | --- |
| **Variable Name** | **Description** | **Response Options** |
| mar.quantjoint | How much marijuana did you use yesterday?  *If you smoked using joints yesterday, please enter the number of joints you smoked. If you consumed marijuana using other means, please estimate the equivalent number of joints you consumed yesterday.*  *If you didn't use marijuana yesterday, please choose 0.* | Slider bar: 0 to 10 Number of joints or equivalent |
| mar.time | About what time did you begin using marijuana? | 1- Morning  2 - Daytime  3 - Afternoon  4 - Evening  5 - Late Evening  6 - I did not use marijuana yesterday |
| mar.hours | Over how many hours did you use marijuana? | Slider bar: 0 to 24 Hours of marijuana use |
| mar.intox | If you used marijuana yesterday, how 'stoned' or 'high' did you get? | Slider bar: 0 =”Not at all/I didn’t use marijuana”,  50 = “Somewhat high”,  100 = “Very high” |
| mar.intoxhours | If you used marijuana yesterday, over how many hours did you feel the effects of marijuana ('stoned' or 'high')?  *Select 0 if you didn’t use marijuana yesterday.* | Slider bar: 0 to 24 Hours stoned or high |

## 

## Calculated Variables

N/A

## 