Supplemental Material

Supplemental Table 1. Participants’ answers to question about how they define nostalgia and whether they experienced nostalgia that day.

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| thinking about things that have happened in the past, experienced in other time of my life, didn't occur today too much, browsed through netflix and that made me a bit nostalgic |
| how much did I reflect in a sad way on the past, how much did I miss past times, - did not feel that way at all, generally I do sometimes, |
| thinking about the past, - didn't happen today, too busy |
| longing for something in the past, bittersweet, - did not feel this way at all today |
| I usually experience it a lot, reminiscing, reminding on things, dwelling on things, but didn't happen so much today |
| thinking back on stuff, usually most nostalgic at night, laying in bed, reflection, - looking through my day, hectic, didn't have the chance to be nostalgic, kept brain busy, so slightly less nostalgic, |
| home, old friends, family, the past memories: thought about a little bit about missing home and feeling homesick |
| reminiscing, memories, didn't think about that at all today |
| looking back on past and fond memories, thinking fondly of them, didn't have any moments like that today, of past |
| thinking about the past, and I didn't think about that today, |
| wistful, happiness, sentimental, - I wasn't yearning to see friends, happy medium |
| past, memories, childhood, - only one thing that was nostalgic, puppy - had as a kid, that was the only thing that was nostalgic |
| tired, unmotivated, got a lot done, so I felt pretty motivated |
| thinking of events of day first, spent a little bit of the day thinking about an event from last year, : thinking about past memories, wished that you were there experiencing that, missed purpose and meaning of those things, might make you sad |
| getting called from grandparents, that influenced nostalgia, being hard to be away from family, in that moment I was nostalgic; good memories from the past that I miss, |
| happiness in the past, went to yesterday, and there was a moment yesterday where I was looking at mtn, thinking about years ago. Note: he felt very nostalgic yesterday, but not today |
| past, wanting to be in the past: I had no desire to go to the past |
| homesickness, happy memories, longing for something else, something that I don't have - was not feeling that at all |
| the past, past history, but I didn't think of that at all today |
| the past, thinking about the past, reminiscing, just because I didn't really think about the past today, |
| happy memories, busy today, didn't have time to reflect, |
| the way things used to be, back home where I used to live, family, - I was pretty busy today, wasn't too reflective, did call friend from home briefly, |
| wanting to go back to being a kid in elementary school, not having big life worries and responsibilities; memory, reliving something, past, happiness, simplicity, |
| not laziness, just going through the motions, not having ambition; I wasn't just going through the motions |
| memory, happiness, childhood, past experiences, |
| reminiscing, thinking about the past in a generally positive light, past reminiscence and positivity, |
| childhood memories, past, early on experiences in life - nothing reminded me of my childhood today |
| memories, longing for another time, bittersweet, - because last week was much better week than this one |
| because I was so busy, didn't have time to think about the past, but poetry class made me a bit sad, like a new chapter; reminiscing, missing something, looking back on the past, change |
| home, past events; spent most of my day looking for the future, but did spend some time thinking about home, |
| hometown, living at home, family, friends, high school, middle school, memories; didn't feel or miss these things |
| memories, bittersweet feeling, past semester; did not feel this way at all today |
| strong memories, strong feelings, surface of emotion, more positive than negative; |

Supplemental Table 2. Initial 15 items selected to measure nostalgia with factor loadings from Study 1a.

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|  | **Item** | **Factor loading** |
| \* | 1. How nostalgic do you feel? | .77 |
|  | 2. How much do you desire to return to a past circumstance? | .75 |
| \* | 3. To what extent do you feel sentimental for the past? | .77 |
|  | 4. To what extent do you long for your childhood or a time in the past? | .77 |
| \* | 5. How much do you feel a wistful affection for the past? | .77 |
| \* | 6. To what extent do you feel a longing to return to a former time in your life? | .73 |
|  | 7. How often do you yearn for a place you once lived? | .53 |
|  | 8. To what extent do you feel a desire to visit or see friends, family, or acquaintances from an earlier time in your life? | .62 |
|  | 9. How much do positive memories about your childhood or past come to mind? | .61 |
|  | 10. How much do you yearn to be with people you once knew? | .66 |
|  | 11. To what extent do you think fondly of past experiences? | .68 |
|  | 12. Do you ever think fondly of people you knew from your past? | .60 |
|  | 13. How much do you reminisce about or indulge in enjoyable recollections of past events? | .74 |
|  | 14. Do you think about a period or place in the past with happy personal associations? | .66 |
|  | 15. To what extent do you experience warm feelings when reminded of events, people, or circumstances from your past? | .59 |

Note: Items marked with \* were kept in the final PINE scale.

Supplemental Table 3. Descriptive statistics and intercorrelations between nostalgia items for Study 1d.

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|  |  |  |  |  | **Intercorrelations** | | |
|  | **Mean** | **SD** | **Skewness** | **Kurtosis** | **Item 1** | **Item 2** | **Item 3** |
| Time 1 | |  |  |  |  |  |  |
| Item 1 | 4.59 | 1.53 | -.28 | -.69 |  |  |  |
| Item 2 | 4.81 | 1.46 | -.37 | -.60 | .76 |  |  |
| Item 3 | 4.51 | 1.55 | -.21 | -.86 | .68 | .71 |  |
| Item 4 | 3.96 | 1.86 | .04 | -1.18 | .60 | .56 | .62 |
| Total | 4.47 | 1.37 | -.02 | -.72 |  |  |  |
|  |  |  |  |  |  |  |  |
| Time 2 | |  |  |  |  |  |  |
| Item 1 | 4.34 | 1.58 | -.08 | -.88 |  |  |  |
| Item 2 | 4.63 | 1.57 | -.23 | -.88 | .69 |  |  |
| Item 3 | 4.28 | 1.69 | -.05 | -1.03 | .71 | .72 |  |
| Item 4 | 3.97 | 1.71 | .02 | -.94 | .61 | .58 | .58 |
| Total | 4.31 | 1.40 | -.07 | -.74 |  |  |  |

Note: All inter-item correlations were significant at the *p* < .001 level.

Supplemental Table 4. Model fit indices and changes in model fit for each of the four measurement invariance models.

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|  | **χ2 (df)** | ***p*** | **CFI** | **RMSEA** | **SRMR** | **Δχ2 (df)** | ***p*** | **Δ CFI** | **Δ RMSEA** | **Δ SRMR** |
| Model 1 | 6.17 (4) | .19 | .996 | .067 | .014 |  |  |  |  |  |
| Model 2 | 10.07 (8) | .26 | .997 | .041 | .031 |  |  |  |  |  |
| 2 v 1 |  |  |  |  |  | 2.97 (4) | .56 | .001 | -.026 | .017 |
| Model 3 | 14.39 (11) | .21 | .995 | .043 | .037 |  |  |  |  |  |
| 3 v 2 |  |  |  |  |  | 4.42 (3) | .22 | -.002 | .002 | .006 |
| Model 4 | 18.21 (15) | .25 | .995 | .036 | .049 |  |  |  |  |  |
| 4 v 3 |  |  |  |  |  | 3.90 (4) | .42 | .000 | -.007 | .012 |