

Supplemental Material

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

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.

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.

	Mean	SD	Skewness	Kurtosis	Intercorrelations		
					Item 1	Item 2	Item 3
<u>Time 1</u>							
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			
<u>Time 2</u>							
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.

	χ^2 (df)	<i>p</i>	CFI	RMSEA	SRMR	$\Delta\chi^2$ (df)	<i>p</i>	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