



## Background

- Mental time travel facilitates identity that persists from past to present and future through experience of mental events<sup>1</sup>
- Cultures emphasize memory to preserve identity through time via histories and storytelling<sup>2</sup>

## Methods

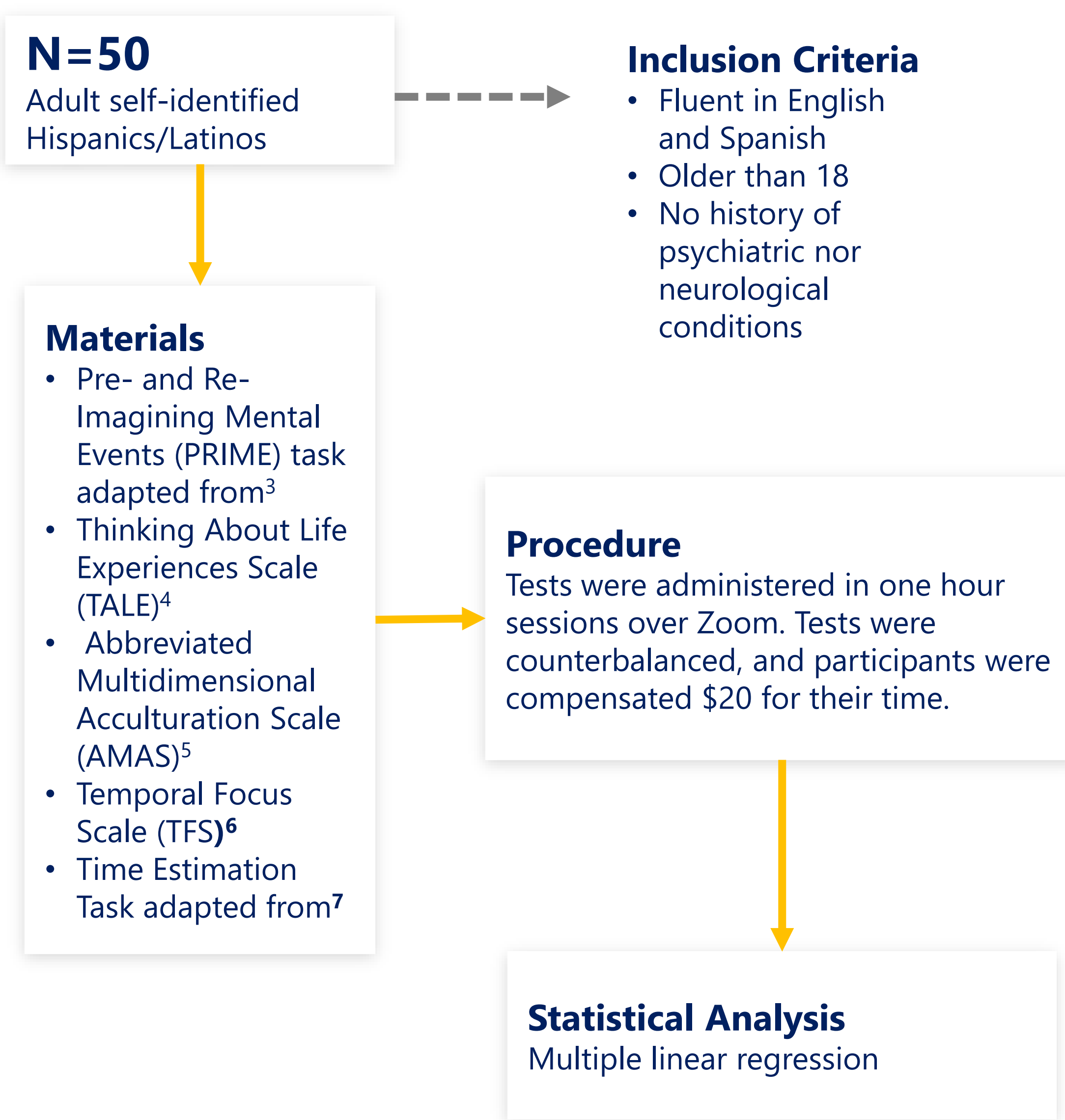


Table 1. Tests Included and Corresponding Variables

Abbreviated Multidimensional Acculturation Scale	Time Estimation Task	Temporal Focus Scale	Thinking About Life Experiences Scale	Pre- and Re- Imagining Mental Events (PRIME) Task
U.S. Culture Gross Score	Gross Score	Past Focus Factor	Self-Continuity Function	Episodic Memory Collectivist Component
Culture of Origin Gross Score		Present Focus Factor	Social Bonding Function	Episodic Future Thought Collectivist Component
		Future Focus Factor	Directing Behavior Function	Episodic Memory Descriptive Details
				Episodic Future Thought Descriptive Details
				Episodic Memory General Details
				Episodic Future Thought General Details

## References

1. Olick, J. K., & Robbins, J. (1998). Social Memory Studies: From "Collective Memory" to the Historical Sociology of Mnemonic Practices. *Annual Review of Sociology*, 24(1), 105-140. <https://doi.org/10.1146/annurev.soc.24.1.105>

2. Suddendorf, T., & Corballis, M. C. (2007). The evolution of foresight: What is mental time travel, and is it unique to humans? *Behavioral and Brain Sciences*, 30(3), 299-313. <https://doi.org/10.1017/S0030500907003375>

3. Wang, Q., Hou, Y., Fang, H., & Wigorsnick, A. (2011). Travelling backwards and forwards in time: Culture and gender in the episodic specificity of past and future events. *Memory*, 19(1), 103-109. <https://doi.org/10.1080/09658211.2010.537279>

4. Bialik, S., & Alex, N. (2011). Creating the TALE: Construction of a measure to assess the functions of autobiographical remembering. *Memory*, 19(5), 470-486.

5. Zee, M. C., Azner-Sell, K. K., Birman, D., Buki, L. P. (2003). The Abbreviated Multidimensional Acculturation Scale: Empirical validation with two Latino/Latina samples. *Cultural Diversity and Ethnic Minority Psychology*, 9, 107-126.

6. Shipp, A. J., Edwards, J. R., & Lambert, L. S. (2009). Conceptualization and measurement of temporal focus: The subjective experience of the past, present, and future. *Organizational Behavior and Human Decision Processes*, 111(1), 1-22. <https://doi.org/10.1016/j.obhdp.2009.05.001>

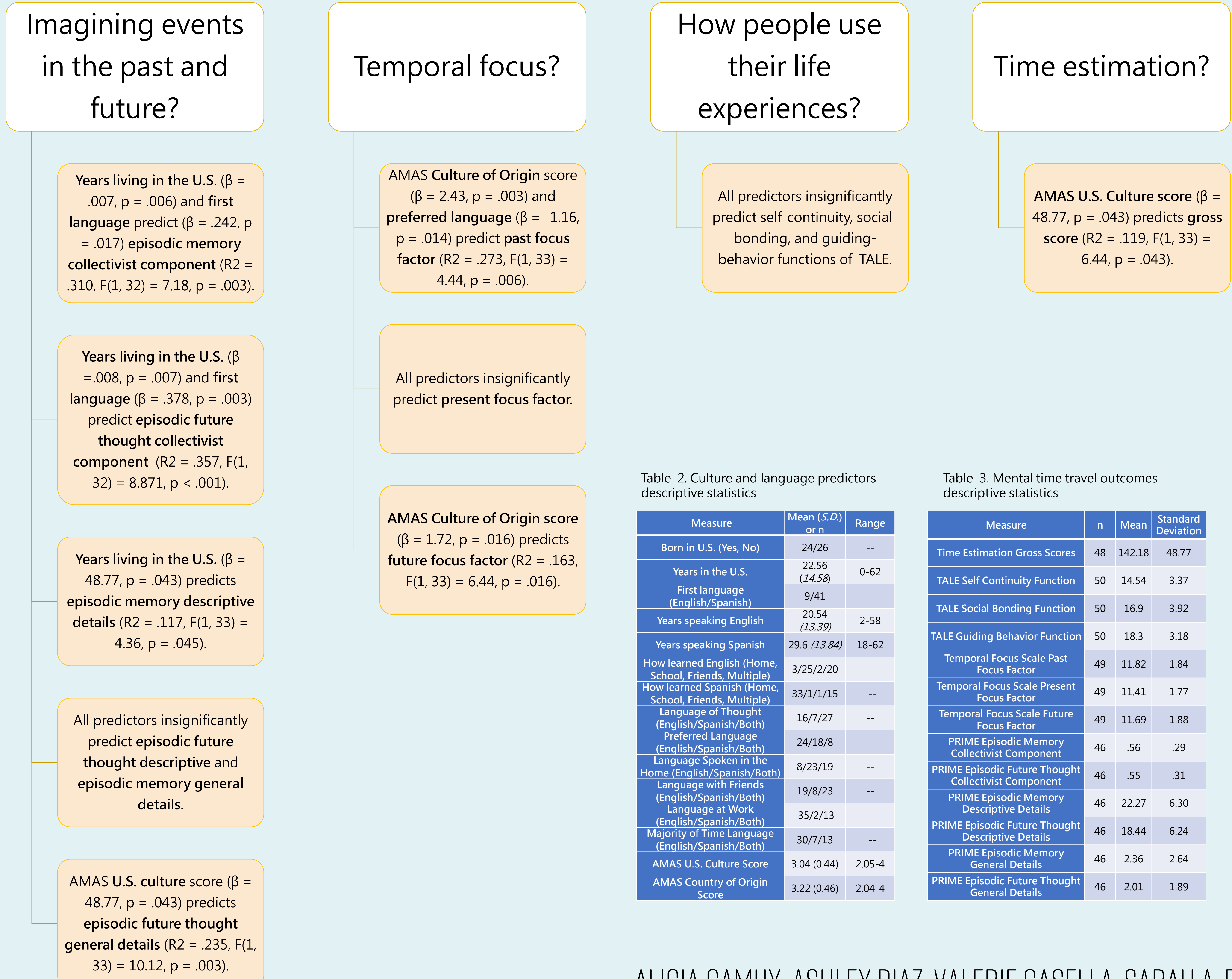
7. Raskin, Sarah. (2009). Memory for Intentions Screening Test: Psychometric Properties and Clinical Evidence. *Brain Impairment - BRAIN IMPAIR*, 10, 23-33. <https://doi.org/10.1375/brim.10.1.23>



# Culture and language influence how Hispanics/Latinos think about themselves through time.

## Results

*Do cultural identification and language predict...*



## Discussion

Years living in the U.S. and first language together influence collectivism in both past and future projections. Spanish-speakers living the U.S could feel solidarity with whom they can communicate, so they attach to a Hispanic/Latino community.

Culture of origin might predict both past and future focus factor because of an emphasis on traditions which continue from the past and a hope for socioeconomic progress in the future, common beliefs for Hispanics/Latinos.

U.S. cultural identification could predict time estimation because internal time passes faster than actual time due to the fast pace of life in the U.S.

Table 2. Culture and language predictors descriptive statistics

Measure	Mean (S.D.) or n	Range
Born in U.S. (Yes, No)	24/26	--
Years in the U.S.	22.56 (14.58)	0-62
First language (English/Spanish)	9/41	--
Years speaking English	20.54 (13.39)	2-58
Years speaking Spanish	29.6 (13.84)	18-62
How learned English (Home, School, Friends, Multiple)	3/25/2/20	--
How learned Spanish (Home, School, Friends, Multiple)	33/1/1/15	--
Language of Thought (English/Spanish/Both)	16/7/27	--
Preferred Language (English/Spanish/Both)	24/18/8	--
Language Spoken in the Home (English/Spanish/Both)	8/23/19	--
Language with Friends (English/Spanish/Both)	19/8/23	--
Language at Work (English/Spanish/Both)	35/2/13	--
Majority of Time Language (English/Spanish/Both)	30/7/13	--
AMAS U.S. Culture Score	3.04 (0.44)	2.05-4
AMAS Country of Origin Score	3.22 (0.46)	2.04-4

Table 3. Mental time travel outcomes descriptive statistics

Measure	n	Mean	Standard Deviation
Time Estimation Gross Scores	48	142.18	48.77
TALE Self Continuity Function	50	14.54	3.37
TALE Social Bonding Function	50	16.9	3.92
TALE Guiding Behavior Function	50	18.3	3.18
Temporal Focus Scale Past Focus Factor	49	11.82	1.84
Temporal Focus Scale Present Focus Factor	49	11.41	1.77
Temporal Focus Scale Future Focus Factor	49	11.69	1.88
PRIME Episodic Memory Collectivist Component	46	.56	.29
PRIME Episodic Future Thought Collectivist Component	46	.55	.31
PRIME Episodic Memory Descriptive Details	46	22.27	6.30
PRIME Episodic Future Thought Descriptive Details	46	18.44	6.24
PRIME Episodic Memory General Details	46	2.36	2.64
PRIME Episodic Future Thought General Details	46	2.01	1.89

