Ugg" fkuewuukqpu."uvcvu."cp f "cwv j qt" r tqhkngu"hqt"v j ku" r wdrkecvkqp"cv<" j w r u<11 y y y

the same character. In addition, episodic memorien6

participants

Equipment. The texts

Orthographic similarity. We computed the orthographic similarity between any two verbs using Levenshtein Distances. The Levenshtein Distance between any two verbs

Space. The space dimension indicated whether two consecutive clauses took place in the same spatial region. Pairs of verbs were coded as a 0 if they came from clauses that shared the same spatial region in the depicted story situation. Otherwise, they received a 1. For instance, reading about how beanie babies were brought from Lakewood to Los Angeles reflects a change in space. Pairs of verbs that occurred before the change (i.e., come-purchased, come-give, purchased-give) were coded as a 0 because they shared the same spatial

were not allowed to continue through the experiment until they selected each of the 24 verbs. Examples of the task are shown in Figure 1.

We did not have participants arrange the verbs without reading the stories. Zwaan, Langston et al. (1995) previously found that participants sort verbs using the lexicon when doing a verb sorting task.

We assumed that the

the story. In the model, the fixed effects were orthographic

Underlying psychological representation of the verbs

The interaction between comprehension scores and the shared event factor suggests that successful comprehension of a story is related to the event-based structuring of situation models. Thus, to further characterize the theoretical semantic space of readers who comprehended the storie

that belong to the same event would be closer together in this multidimensional space. Thus, the data driven MDS analysis should separate verbs based on their event membership. This expectation appears to hold true for many of the events shown in Figure 4.

To assess whether these empirically derived representations of the psychological space reflect event-based structuring, we recomputed the Euclidean distance between each of the verbs using the three-dimensional location of each verb in the multidimensional space W7SSA;%mi;"";T/H×N;8iqqiMNHiM%i8;V;V

both. Studies of

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