Situation property and false memory: An investigation into metacognitive monitoring of DRM task

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Abstract: Backward Associative Strength (BAS) is considered as a good predictor of false memory (FM) produced by Deese-Roediger-McDermott (DRM) task. Previous study found that both semantic properties and BAS load on the same factor of the task (Brainerd et al., 2008). It is proposed that DRM lists composed of Situation Properties (SP) can elicit high FM at low BAS (Cann et al., 2011). We assume that SP could influence metacognitive monitoring for DRM task. The present study investigates if SP lists and BAS influence metacognitive monitoring of FM. Both Gamma and C (Cheng, 2010) values are used to measure the metacognitive monitoring of DRM task in Roediger's (2013) paradigm. The results show that SP reduces metacognitive monitoring of FM.