		doc_1		doc_2	decision	id
cases	authors	• Deng Cai and Xin Li and Jackie Chun-Sing Ho and Lidong Bing and Wai Lam	authors	• Deng Cai • Xin Li • Jackie Chun-Sing Ho • Lidong Bing • Wai Lam	DUPLICATES	162
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	urls	• https://web.archive.org/web/20221019055920/https://arxiv.org/pdf/2210.09773v1.pdf	urls	• http://arxiv.org/pdf/2210.09773v1 • http://arxiv.org/abs/2210.09773v1 • http://arxiv.org/pdf/2210.09773v1		
	id	id-8966471738119625497	id	id-1275811338471612150		
	abstract	We introduce a new method to improve existing multilingual sentence embeddings with Abstract Meaning Representation (AMR). Compared with the original textual input, AMR is a structured semantic representation that presents the core concepts and relations in a sentence explicitly and unambiguously. It also helps reduce surface variations across different expressions and languages. Unlike most prior work that only evaluates the ability to measure semantic similarity, we present a thorough evaluation of existing multilingual sentence embeddings and our improved versions, which include a collection of five transfer tasks in different downstream applications. Experiment results show that retrofitting multilingual sentence embeddings with AMR leads to better state-of-the-art performance on both semantic textual similarity and transfer tasks. Our codebase and evaluation scripts can be found at .	abstract	We introduce a new method to improve existing multilingual sentence embeddings with Abstract Meaning Representation (AMR). Compared with the original textual input, AMR is a structured semantic representation that presents the core concepts and relations in a sentence explicitly and unambiguously. It also helps reduce surface variations across different expressions and languages. Unlike most prior work that only evaluates the ability to measure semantic similarity, we present a thorough evaluation of existing multilingual sentence embeddings and our improved versions, which include a collection of five transfer tasks in different downstream applications. Experiment results show that retrofitting multilingual sentence embeddings with AMR leads to better state-of-the-art performance on both semantic textual similarity and transfer tasks. Our codebase and evaluation scripts can be found at \url{https://github.com/jcyk/MSE-AMR}.		
	versions		versions			