| cases | | doc_1 | | doc_2 | decision | id |
|---|---|---|---|---|---|---|
| | authors | <ul><li>Deng Cai</li><li>Xin Li</li><li>Jackie Chun-Sing Ho</li><li>Lidong Bing</li><li>Wai Lam</li></ul> | authors | <ul><li>Deng Cai</li><li>Xin Li</li><li>Jackie Chun-Sing Ho</li><li>Lidong Bing</li><li>W. Lam</li></ul> | DUPLICATES | 164 |
| | title | Retrofitting Multilingual Sentence Embeddings with Abstract Meaning Representation | title | Retrofitting Multilingual Sentence Embeddings with Abstract Meaning Representation | | |
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| | urls | <ul><li>http://arxiv.org/pdf/2210.09773v1</li><li>http://arxiv.org/abs/2210.09773v1</li><li>http://arxiv.org/pdf/2210.09773v1</li></ul> | urls | <ul><li>https://www.semanticscholar.org/paper/37fd65d01fbbde65c02800864c2f32770c30d17f</li></ul> | | |
| | id | id-1275811338471612150 | id | id-2797676995984254417 | | |
| | 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}. | 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 the 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. | | |
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