cases		doc_1		doc_2	decision	id
	authors	- Ahmed Sabir - Francesc Moreno-Noguer - Pranava Madhyastha - LluÃs PadrÃ³	authors	- Madhyastha, Pranava - Moreno-Noguer, Francesc - PadrÃ³, LluÃs - Sabir, Ahmed		
	title	Belief Revision based Caption Re-ranker with Visual Semantic Information	title	Belief Revision based Caption Re-ranker with Visual Semantic Information		
	publication_date	2022-09-16 00:00:00	publication_date	2022-09-16 00:00:00		
	source	SupportedSources.INTERNET_ARCHIVE	source	SupportedSources.CORE		
	journal		journal			
	volume		volume			
	doi		doi	None	DUPLICATES	134
	urls	https://web.archive.org/web/20220922191810/https://arxiv.org/pdf/2209.08163v1.pdf	urls	http://arxiv.org/abs/2209.08163		
	id	id-1822423617024925710	id	id-3727623662049814570		
	abstract	In this work, we focus on improving the captions generated by image-caption generation systems. We propose a novel re-ranking approach that leverages visual-semantic measures to identify the ideal caption that maximally captures the visual information in the image. Our re-ranker utilizes the Belief Revision framework (Blok et al., 2003) to calibrate the original likelihood of the top-n captions by explicitly exploiting the semantic relatedness between the depicted caption and the visual context. Our experiments demonstrate the utility of our approach, where we observe that our re-ranker can enhance the performance of a typical image-captioning system without the necessity of any additional training or fine-tuning.	abstract	In this work, we focus on improving the captions generated by image-caption generation systems. We propose a novel re-ranking approach that leverages visual-semantic measures to identify the ideal caption that maximally captures the visual information in the image. Our re-ranker utilizes the Belief Revision framework (Blok et al., 2003) to calibrate the original likelihood of the top-n captions by explicitly exploiting the semantic relatedness between the depicted caption and the visual context. Our experiments demonstrate the utility of our approach, where we observe that our re-ranker can enhance the performance of a typical image-captioning system without the necessity of any additional training or fine-tuning.Comment: COLING 202		
	versions		versions			