RQ1: How can we automatically reveal the framing differences in articles presenting the same event?			RQ2: How do news sources change stories over time?	
+	+	Ī	+	-
RQ1.1: What is the contribution of comparing multiple articles to see framing signals?	RQ1.2: To what extent can we automatically recognise framing signals using multiple documents?		RQ2.1: Which features of a news source influence the framing techniques used?	RQ2.2: To what extent can we identify the evolution of the framing of a certain event?
		_		•
Having multiple articles helps users to detect framing Some signals can only be seen by comparing	The information from multiple documents helps automated detection of framing		There are some features (e.g., how extreme is the source) that will show a predominance of certain	We can identify patterns between certain sources that take contents from others and perform
articles	signals		framing techniques	specific modifications
		•	•	•
Selection of pairs of articles	Cross-article framing dataset collection/annotation	1	data collection - source features - detection of framing	data collection
	+	'//		-
User study: - importance of cross- article analysis - cross-article signals	model creation and evaluation		correlations between two sets of features	temporal analysis
				1
Cross-article framing importance and signals	A model to identify the cross-article framing signals		Association model between outlet features and framing performed	Propagation of information model
	RQ1.1: What is the contribution of comparing multiple articles to see framing signals? - Having multiple articles helps users to detect framing - Some signals can only be seen by comparing articles Selection of pairs of articles User study: - importance of crossarticle analysis - crossarticle signals Crossarticle framing	RQ1.1: What is the contribution of comparing multiple articles to see framing signals using multiple articles helps users to detect framing - Some signals can only be seen by comparing articles Selection of pairs of articles User study: - importance of crossarticle analysis - cross-article signals Cross-article framing importance and signals RQ1.2: To what extent can we automatically recognise framing signals using multiple documents? The information from multiple documents helps automated detection of framing signals Cross-article framing cataset collection/annotation A model to identify the cross-article framing importance and signals A model to identify the cross-article framing importance and signals	RQ1.1: What is the contribution of comparing multiple articles to see framing signals? - Having multiple articles helps users to detect framing - Some signals can only be seen by comparing articles Selection of pairs of articles - User study: - importance of crossarticle signals Cross-article framing importance and signals - A model to identify the cross-article framing importance and signals A model to identify the cross-article framing importance and signals A model to identify the cross-article framing importance and signals	RQ1.1: What is the contribution of comparing multiple articles to see framing signals using multiple documents? - Having multiple articles helps users to detect framing Some signals can only be seen by comparing articles - Selection of pairs of articles - Cross-article signals - Cross-article framing importance and signals - A model to identify the cross-article framing importance and signals - A model to identify the cross-article framing importance and signals - A model to identify the cross-article framing importance and signals - A sociation model between outlet features