
Understanding gender violence depiction in online news media

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Abstract

Our study blabla

1 Introduction and Background

BLABLABLA

2 Methodology

2.1 Web Scrapping

	Newspaper	Political ideology	Number of articles
Mexico	El Heraldo	Right	2820
	El Universal	Centre	3513
	La Jornada	Left	2099
Pakistan	Nation	Centre-Right	968
	Dawn	Centre-Left	330
	The News	Centre-Left	930
UK	The Times	Centre-right	1206
	The Sun	Right	1269
	The Guardian	Left	4568
Total			17778

Table 1: Article and Newspaper Counts

3 Results

3.1 Word Embeddings (Word2Vec)

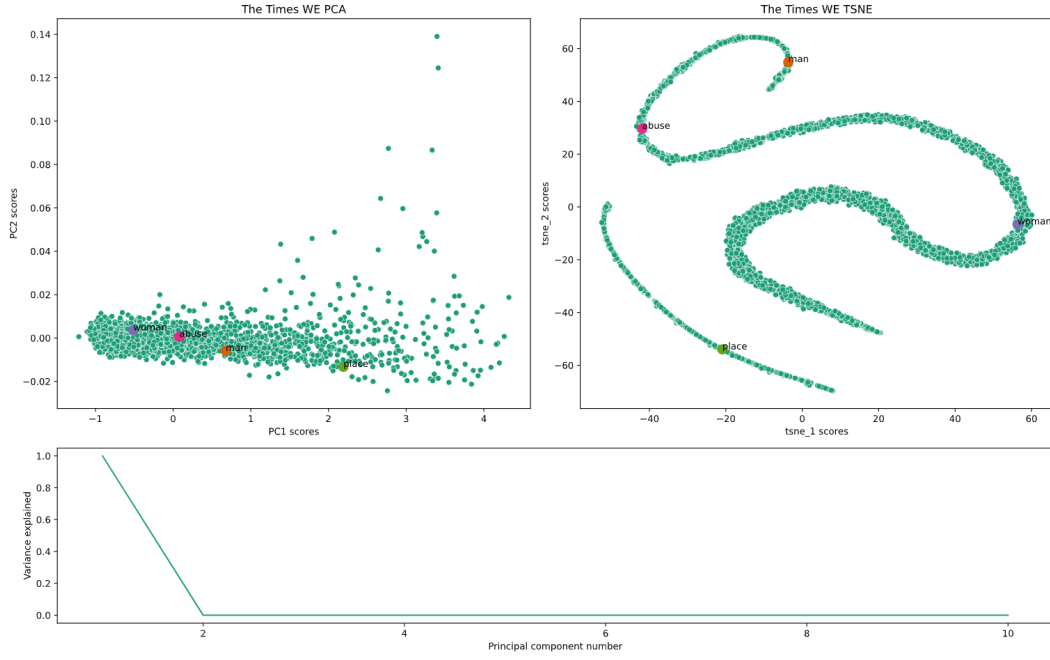


Figure 1: Visualization of embedding space (The Times UK)

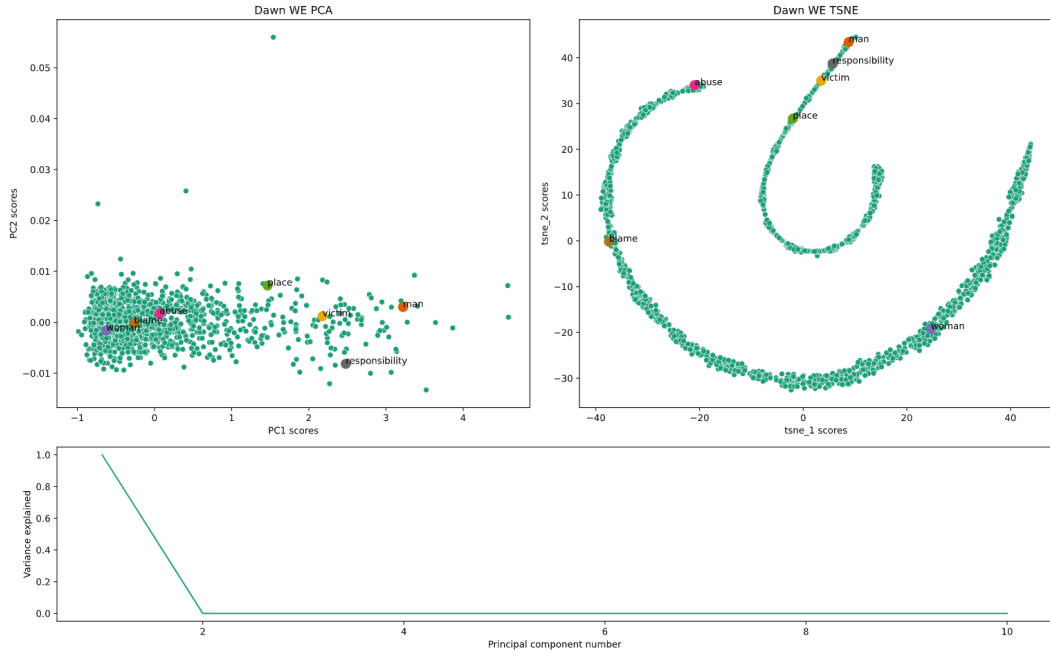


Figure 2: Visualization of embedding space (Dawn Pakistan)

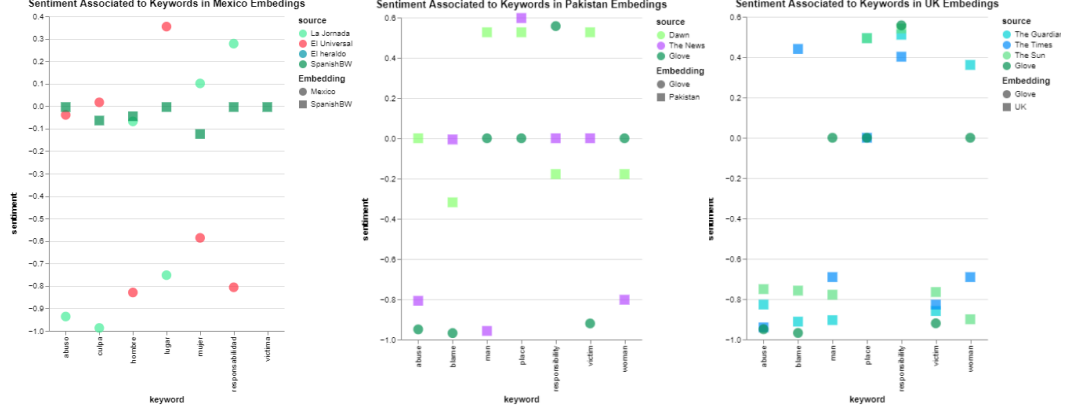


Figure 3: Sentiment towards keywords

$$analogy(m : w \rightarrow k : ?) = \operatorname{argmax}_{v,w,k} (\cos(v, k) - \cos(v, m) + \cos(v, w)) \quad (1)$$

$$w \in \sqcup \text{man, woman, abuse, place, victim, blame, responsibility} \sqcup \quad (2)$$

	Newspaper	Political ideology	Result
Mexico	El Heraldo	Right	(‘expresión’, 0.91), (‘condición’, 0.90), (‘completa’, 0.89), (‘ideología’, 0.88), (‘conlleva’, 0.88)
	El Universal	Centre	(‘libre’, 0.92), (‘política’, 0.92), (‘manpowergroup’, 0.92), (‘crueldad’, 0.92), (‘erradicar’, 0.92)
	La Jornada	Left	(‘definición’, 0.82), (‘subordinación’, 0.82), (‘violenta’, 0.81), (‘mujerla’, 0.81), (‘castiga’, 0.80)
Pakistan	Nation	Centre-Right	(‘report’, 0.99), (‘police’, 0.99), (‘law’, 0.99), (‘state’, 0.99), (‘society’, 0.9998923540115356), (‘domestic’, 0.99), (‘harassment’, 0.99), (‘country’, 0.99), (‘increase’, 0.99), (‘rise’, 0.99)
	Dawn	Centre-Left	
UK	The News	Centre-Left	(‘survivor’, 0.75), (‘domestic’, 0.75), (‘harassment’, 0.73), (‘demand’, 0.71), (‘mutilation’, 0.71), (‘charge’, 0.99), (‘offence’, 0.99), (‘allege’, 0.99), (‘violence’, 0.99), (‘report’, 0.99), (‘survivor’, 0.71), (‘perpetrator’, 0.53), (‘domestic’, 0.49), (‘abuser’, 0.48), (‘stalker’, 0.44)
	The Sun	Right	
	The Times	Centre-right	
	The Guardian	Left	

Table 2: Semantic Algebra: $w_{woman} + w_{victim} - w_{man} = ??$

4 Conclusion, further research and limitations

BLABLABLA

5 Appendix

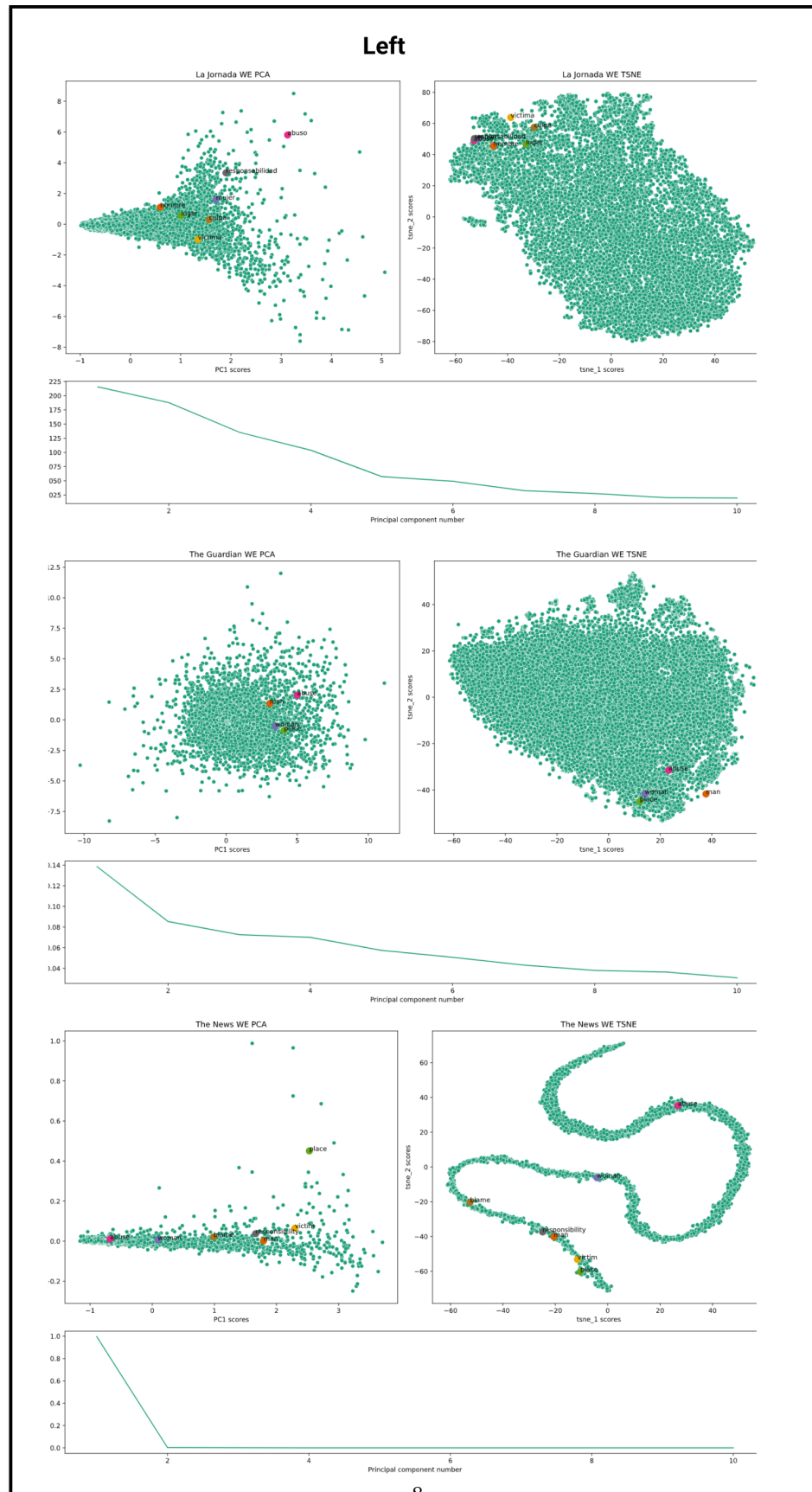


Figure 4: GBV depiction in left leaning media

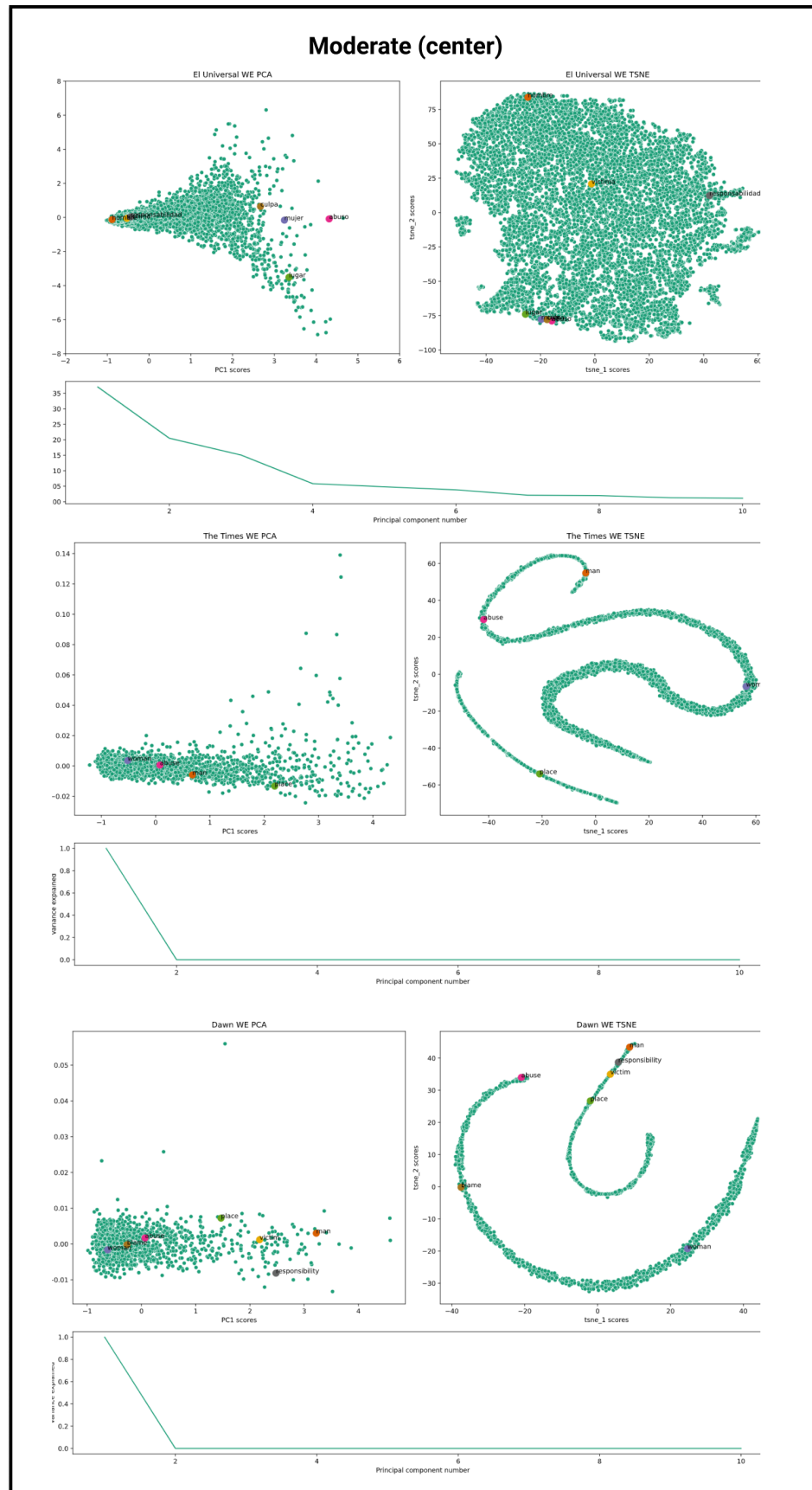


Figure 5: GBV depiction in moderate media

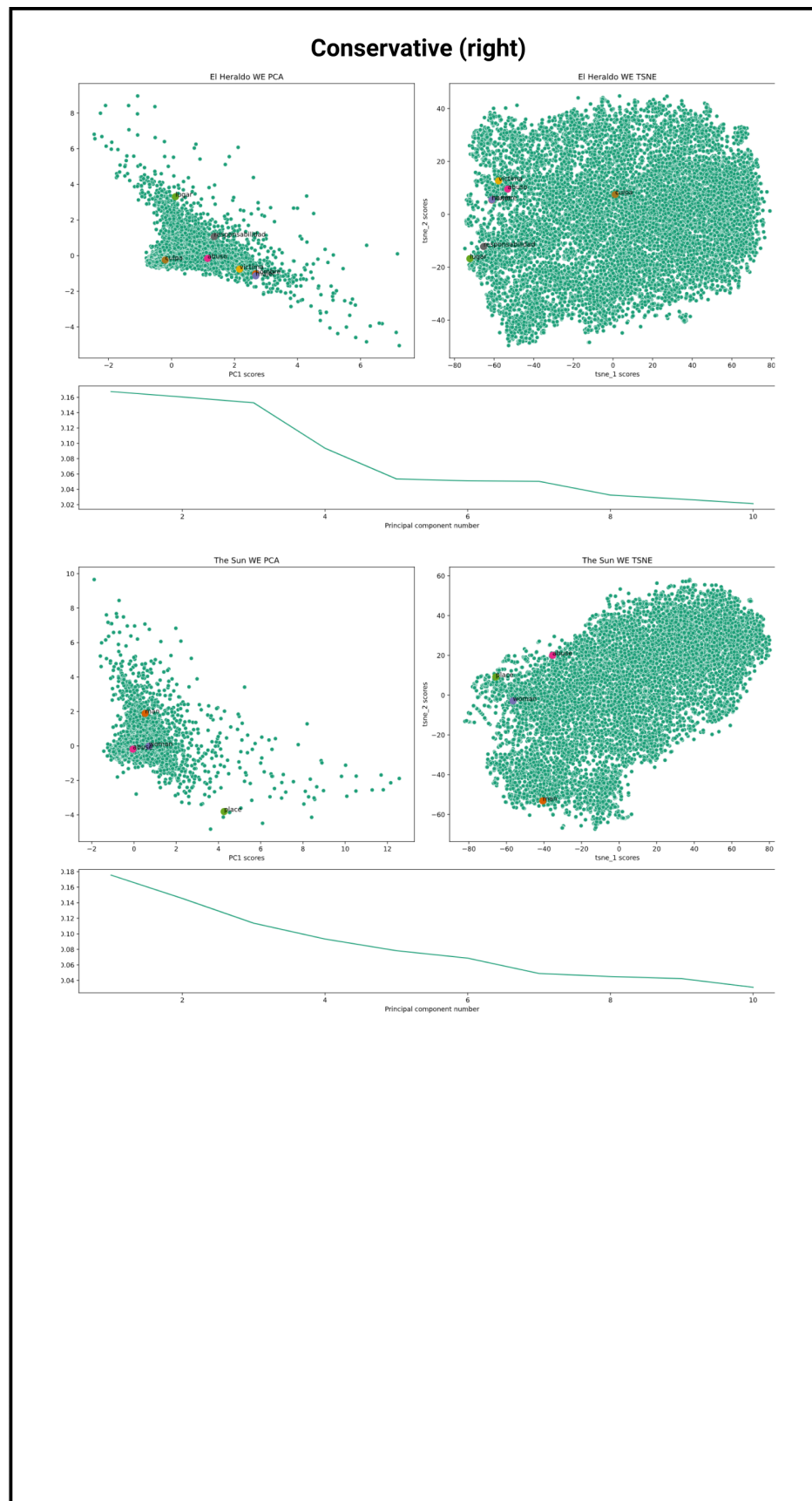


Figure 6: GBV depiction right leaning media

6 References

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