

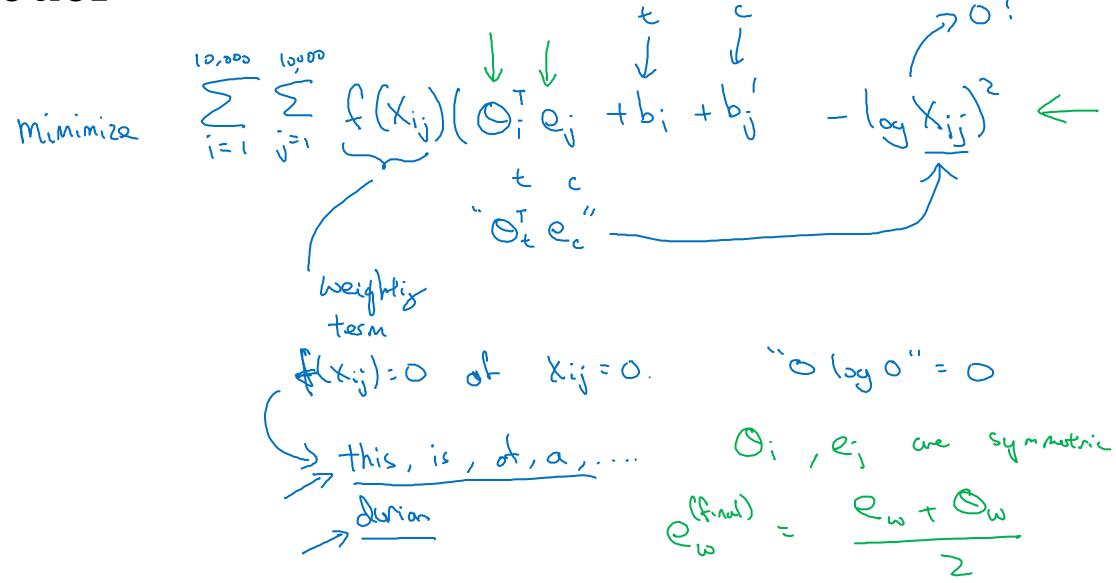
## NLP and Word Embeddings

## GloVe word vectors

## GloVe (global vectors for word representation)

I want a glass of orange juice to go along with my cereal.

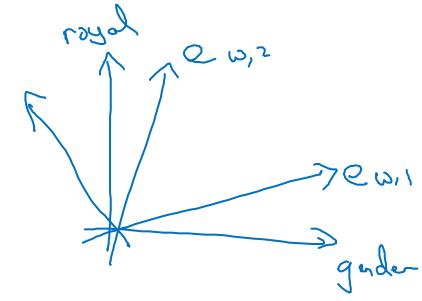
## Model



A note on the featurization view of word embeddings

		O			
		Woman			
	(5391)	(9853)	(4914)	(7157)	
<b>G</b> ender	-1	1	-0.95	0.97	
Royal	0.01	0.02	0.93	0.95	

0.02 0.69 0.03 Food 0.09 0.01 0.01 0.02



minimize 
$$\sum_{i=1}^{10,000} \sum_{j=1}^{10,000} f(X_{ij}) (\theta_i^T e_j + b_i - b_j' - \log X_{ij})^2$$