

Processing Text with NNs

- Map each word to a vector of 0s and 1s (“1-hot repr.”):

$\text{cat} \mapsto (0, 0, \dots, 0, 1, 0, \dots, 0)$

- Sentence is then a matrix:

		the	cat	is	on	the	mat
↑	a	0	0	0	0	0	0
	about	0	0	0	0	0	0

	cat	0	1	0	0	0	0

	is	0	0	1	0	0	0

	the	1	0	0	0	1	0

↓	zebra	0	0	0	0	0	0