Word cards: predicting the next word by counting

One bag per word. A bag holds one card for every time a word follows that word in the 22 sentences of the farm corpus, so the bag “gives” holds one card “milk” and one card “wool”. To let the model write, start with “the”, draw a card from the bag “the”, write its word down, put the card back and draw from the bag of the word you just wrote, until you draw “end of sentence”.

Cut along the grey lines: 104 cards on the following pages. The small line on each card says which bag it belongs in.

the	31 cards	is	6 cards	cow	5 cards
in	5 cards	bee	4 cards	farmer	4 cards
hen	4 cards	eats	3 cards	eggs	3 cards
grass	3 cards	honey	3 cards	milk	3 cards
sheep	3 cards	gives	2 cards	hive	2 cards
lays	2 cards	makes	2 cards	sells	2 cards
sleeps	2 cards	wool	2 cards	barn	1 card
big	1 card	feeds	1 card	field	1 card
grain	1 card	green	1 card	lives	1 card
milks	1 card	nest	1 card	small	1 card
soft	1 card	sweet	1 card	white	1 card

bag: the **barn**	bag: the **bee**	bag: the **bee**	bag: the **bee**
bag: the **bee**	bag: the **cow**	bag: the **cow**	bag: the **cow**
bag: the **cow**	bag: the **cow**	bag: the **eggs**	bag: the **farmer**
bag: the **farmer**	bag: the **farmer**	bag: the **farmer**	bag: the **field**
bag: the **grass**	bag: the **hen**	bag: the **hen**	bag: the **hen**
bag: the **hen**	bag: the **hive**	bag: the **hive**	bag: the **honey**

bag: the **milk**	bag: the **milk**	bag: the **nest**	bag: the **sheep**
bag: the **sheep**	bag: the **sheep**	bag: the **wool**	bag: is **big**
bag: is **green**	bag: is **small**	bag: is **soft**	bag: is **sweet**
bag: is **white**	bag: cow **end of sentence**	bag: cow **eats**	bag: cow **gives**
bag: cow **is**	bag: cow **sleeps**	bag: in **the**	bag: in **the**
bag: in **the**	bag: in **the**	bag: in **the**	bag: bee **is**

bag: bee **lives**	bag: bee **makes**	bag: bee **makes**	bag: farmer **feeds**
bag: farmer **milks**	bag: farmer **sells**	bag: farmer **sells**	bag: hen **end of sentence**
bag: hen **eats**	bag: hen **lays**	bag: hen **lays**	bag: eats **grain**
bag: eats **grass**	bag: eats **grass**	bag: eggs **end of sentence**	bag: eggs **end of sentence**
bag: eggs **in**	bag: grass **end of sentence**	bag: grass **end of sentence**	bag: grass **is**
bag: honey **end of sentence**	bag: honey **in**	bag: honey **is**	bag: milk **end of sentence**

bag: milk **end of sentence**	bag: milk **is**	bag: sheep **eats**	bag: sheep **gives**
bag: sheep **sleeps**	bag: gives **milk**	bag: gives **wool**	bag: hive **end of sentence**
bag: hive **end of sentence**	bag: lays **eggs**	bag: lays **eggs**	bag: makes **honey**
bag: makes **honey**	bag: sells **the**	bag: sells **the**	bag: sleeps **in**
bag: sleeps **in**	bag: wool **end of sentence**	bag: wool **is**	bag: barn **end of sentence**
bag: big **end of sentence**	bag: feeds **the**	bag: field **end of sentence**	bag: grain **end of sentence**

bag: green **end of sentence**	bag: lives **in**	bag: milks **the**	bag: nest **end of sentence**
bag: small **end of sentence**	bag: soft **end of sentence**	bag: sweet **end of sentence**	bag: white **end of sentence**