

STEPS

Preparation: Give the 20 bingo cards to students

1. **Display the list of words on a screen** (or redraw it).

Use Figure 1 for the list in alphabetic order.

Discussion point: Some words are similar (ex: “animal” and “animals”). Should we merge them?

2. **Cross out the “stop words” in the list.**

Discussion point: What is a “stop word”? Here we use the same list as in the tool.

Result in Figure 2. Ensure you obtain the same result.

3. **Play BINGO with the remaining words.** Call each word and count how many students raise their hand. Note it in the list.

Discussion point: Do we count when a word appears multiple times in the same document? Here we don't.

Result in Figure 3. Ensure you get the same numbers.

4. **Cross out the words that appear only once or twice** (keep 3+).

Discussion point: What should the threshold be?

Result in Figure 4. Ensure you obtain the same result.

5. **Display the co-occurrence matrix** of the remaining words (or redraw it).

Use Figure 5.

6. **Play BINGO with the matrix.** Call each pair of words (white cells only, to avoid doubles) and just note if someone has it.

Discussion point: Should we count how many have each pair, or not?

Result in Figure 6.

7. **Use the matrix to draw the network** which should be the same as *Figure 7*.

Fig. 1: LIST OF WORDS

Word		Word		Word		Word	
a		do		less		steak	
and		eat		life		suffer	
animal		eating		live		taste	
animals		ending		love		tastes	
are		food		meat		than	
as		for		much		the	
at		good		murder		they	
be		have		must		to	
because		holidays		my		too	
before		human		not		tradition	
cannot		i		of		unnecessarily	
cant		important		on		unnecessary	
christmas		in		our		up	
come		is		part		us	
convenience		it		people		we	
cooking		its		right		welfare	
culture		killing		should		without	

Fig. 2: LIST OF WORDS (stop words crossed out)

Word	#	Word	#	Word	#	Word	#
a		de		less		steak	
and		eat		life		suffer	
animal		eating		live		taste	
animals		ending		love		tastes	
are		food		meat		than	
as		for		much		the	
at		good		murder		they	
be		have		must		to	
because		holidays		my		too	
before		human		not		tradition	
cannot		i		of		unnecessarily	
cant		important		on		unnecessary	
christmas		in		our		up	
come		is		part		us	
convenience		it		people		we	
cooking		its		right		welfare	
culture		killing		should		without	

Fig. 3: LIST OF WORDS (with occurrence counts)

Word	#	Word	#	Word	#	Word	#
a		de		less		steak	1
and		eat	5	life	1	suffer	2
animal	1	eating	2	live	4	taste	2
animals	8	ending		love	3	tastes	1
are		food	2	meat	9	than	
as		for		much		the	
at		good		murder	1	they	
be		have		must		to	
because		holidays	1	my		too	
before		human	1	not		tradition	3
cannot		i		of		unnecessarily	1
cant		important		on		unnecessary	2
christmas	1	in		our		up	
come		is		part		us	
convenience	1	it		people	2	we	
cooking	1	its		right		welfare	3
culture	4	killing	3	should		without	

Fig. 4: LIST OF WORDS (with infrequent words removed)

Word	#	Word	#	Word	#	Word	#
a		do		less		steak	1
and		eat	5	life	1	suffer	2
animal	1	eating	2	live	4	taste	2
animals	8	ending		love	3	tastes	1
are		food	2	meat	9	than	
as		for		much		the	
at		good		murder	1	they	
be		have		must		to	
because		holidays	1	my		too	
before		human	1	not		tradition	3
cannot		i		of		unnecessarily	1
cant		important		on		unnecessary	2
christmas	1	in		our		up	
come		is		part		us	
convenience	1	it		people	2	we	
cooking	1	its		right		welfare	3
culture	4	killing	3	should		without	

Fig. 5: CO-OCCURRENCE MATRIX (empty)

	animals	culture	eat	killing	live	love	meat	tradition	welfare
animals									
culture									
eat									
killing									
live									
love									
meat									
tradition									
welfare									

Fig. 6: CO-OCCURRENCE MATRIX (filled)

	animals	culture	eat	killing	live	love	meat	tradition	welfare
animals				X	X		X		X
culture			X				X		
eat							X	X	
killing					X				
live									X
love							X	X	
meat								X	X
tradition									
welfare									

Fig. 7: CO-OCCURRENCE NETWORK

