

Assignment 1: Solution

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Task

- King, woman, queen

	Context 1	Context 2	Context 3	Context 4	Context 5
Word 1	10	82	0	4	275
Word 2	85	5	4	0	8
Word 3	237	20	4	1	9

Task

	Context 1	Context 2	Context 3	Context 4	Context 5
Word 1	10	82	0	4	275
Word 2	85	5	4	0	8
Word 3	237	20	4	1	9

- Cosines:
 - Word 1 vs Word 2: .141
 - Word 2 vs Word 3: .998
 - Word 1 vs Word 3: .095

Geometrically

Word3 Word2

Word1

Geometrically

Word3 Word2

king queen

Word1

woman

Assignment 1

- knighthood, delivery, says, child, crowned

	Context 1	Context 2	Context 3	Context 4	Context 5
woman	10	82	0	4	275
queen	85	5	4	0	8
king	237	20	4	1	9

Assignment 1

- Contexts 1 and 3 are associated with royalty:

	Context 1	Context 2	Context 3	Context 4	Context 5
woman	10	82	0	4	275
queen	85	5	4	0	8
king	237	20	4	1	9

Assignment 1

- Context 1 is more frequent than 3:

	crowned	Context 2	knighthood	Context 4	Context 5
woman	10	82	0	4	275
queen	85	5	4	0	8
king	237	20	4	1	9

Assignment 1

- Context 5 is frequent and associated with female gender:

	crowned	Context 2	knighthood	Context 4	child
woman	10	82	0	4	275
queen	85	5	4	0	8
king	237	20	4	1	9

Assignment 1

- Among contexts 2 and 4, 2 is more frequent:

	crowned	says	knighthood	delivery	child
woman	10	82	0	4	275
queen	85	5	4	0	8
king	237	20	4	1	9