

KMeans12

May 12, 2022

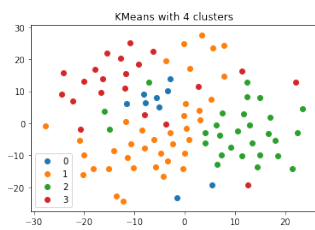


Figure 1: `n_clusters=4`

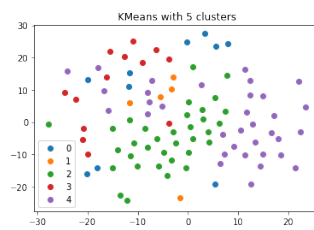


Figure 2: `n_clusters=5`

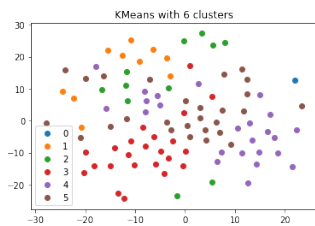


Figure 3: `n_clusters=6`

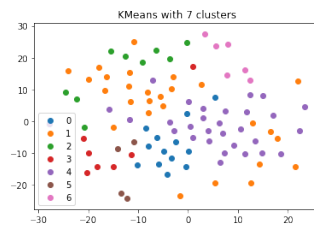


Figure 4: `n_clusters=7`

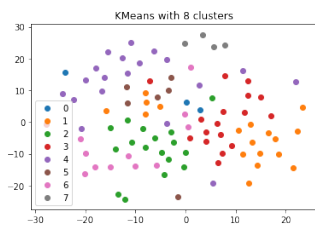


Figure 5: `n_clusters=8`

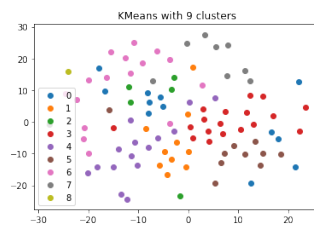


Figure 6: `n_clusters=9`

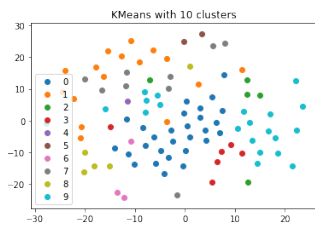


Figure 7: `n_clusters=10`

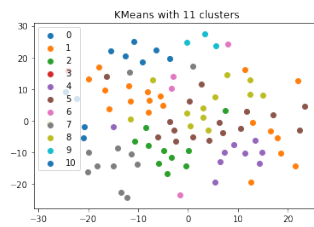


Figure 8: `n_clusters=11`

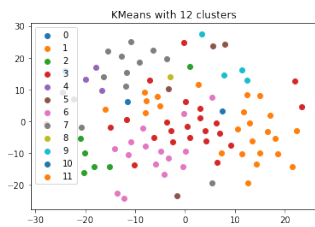


Figure 9: `n_clusters=12`

Grupos	k = 4
0	'fruity', 'waxy', 'fatty', 'spicy', 'nutty', 'earthy', 'sulfurous', 'oily', 'powdery', 'meaty', 'creamy', 'phenolic', 'musty', 'ethereal', 'metallic', 'cheesy', 'buttery', 'soapy', 'leathery'
1	'woody', 'tropical', 'dry', 'animal', 'grassy', 'weedy', 'hay'
2	'herbal', 'citrus', 'sweet', 'balsamic', 'apple', 'vegetable', 'roasted', 'pineapple', 'honey', 'melon', 'grape', 'banana', 'onion', 'pear', 'leafy', 'coffee', 'coconut', 'mushroom', 'vanilla', 'tobacco', 'peach', 'garlic', 'dairy', 'cocoa', 'almond', 'apricot', 'milky', 'geranium', 'cognac', 'medicinal', 'grapefruit', 'plum', 'cucumber', 'lemon', 'chocolate', 'fermented', 'savory', 'hazelnut'
3	'green', 'floral', 'rose', 'pine', 'minty', 'aldehydic', 'caramellic', 'berry', 'amber', 'camphoreous', 'jasmin', 'orange', 'winey', 'clean', 'musk', 'violet', 'lily', 'cherry', 'fresh', 'burnt', 'cortex', 'terpenic', 'hyacinth', 'muguet', ", 'rummy', 'orris', 'lactonic', 'cedar', 'cooling', 'lavender', 'cinnamyl'

Grupos	k = 5
0	'herbal', 'citrus', 'sweet', 'balsamic', 'apple', 'vegetable', 'roasted', 'pineapple', 'honey', 'melon', 'grape', 'banana', 'onion', 'pear', 'leafy', 'coffee', 'coconut', 'mushroom', 'vanilla', 'tobacco', 'peach', 'garlic', 'dairy', 'cocoa', 'almond', 'apricot', 'milky', 'geranium', 'cognac', 'medicinal', 'grapefruit', 'plum', 'cucumber', 'lemon', 'chocolate', 'fermented', 'savory', 'hazelnut'
1	'green', 'floral', 'woody', 'rose', 'pine', 'minty', 'aldehydic', 'caramellic', 'berry', 'amber', 'camphoreous', 'jasmin', 'orange', 'winey', 'musk', 'violet', 'lily', 'cherry', 'burnt', 'terpenic', 'hyacinth', 'muguet', ", 'rummy', 'orris', 'lactonic', 'cedar', 'grassy', 'lavender', 'weedy', 'hay'
2	'waxy', 'fatty', 'sulfurous', 'oily', 'powdery', 'phenolic', 'metallic', 'cortex', 'cinnamyl', 'leathery'
3	'tropical', 'dry', 'animal', 'clean', 'fresh', 'cooling'
4	'fruity', 'spicy', 'nutty', 'earthy', 'meaty', 'creamy', 'musty', 'ethereal', 'cheesy', 'buttery', 'soapy'

Grupos	k = 6
0	'pine', 'leafy', 'cedar', 'grassy', 'weedy'
1	'green', 'floral', 'woody', 'rose', 'apple', 'minty', 'honey', 'aldehydic', 'caramellic', 'berry', 'amber', 'camphoreous', 'jasmin', 'orange', 'winey', 'animal', 'clean', 'musk', 'mushroom', 'violet', 'peach', 'lily', 'cherry', 'burnt', 'almond', 'terpenic', 'hyacinth', 'muguet', 'milky', ", 'rummy', 'orris', 'geranium', 'cognac', 'lactonic', 'plum', 'lemon', 'lavender', 'hay'
2	'spicy', 'balsamic', 'vegetable', 'roasted', 'melon', 'grape', 'onion', 'pear', 'vanilla', 'garlic', 'apricot', 'cucumber', 'chocolate', 'fermented', 'savory', 'hazelnut'
3	'waxy', 'fatty', 'sulfurous', 'oily', 'powdery', 'phenolic', 'metallic', 'dry', 'cortex', 'cooling', 'cinnamyl', 'leathery'
4	'herbal', 'citrus', 'tropical', 'pineapple', 'banana', 'coffee', 'coconut', 'tobacco', 'dairy', 'cocoa', 'medicinal', 'grapefruit'
5	'fruity', 'nutty', 'sweet', 'earthy', 'meaty', 'creamy', 'musty', 'ethereal', 'cheesy', 'buttery', 'fresh', 'soapy'

Grupos	k = 7
0	'citrus', 'pineapple', 'grape', 'banana', 'coffee', 'coconut', 'vanilla', 'cocoa', 'cognac', 'grapefruit', 'cucumber', 'chocolate', 'hazelnut'
1	'fatty', 'tropical', 'sulfurous', 'oily', 'minty', 'aldehydic', 'caramellic', 'phenolic', 'amber', 'camphoreous', 'metallic', 'jasmin', 'dry', 'winey', 'animal', 'clean', 'fresh', 'burnt', 'cortex', 'terpenic', 'soapy', 'milky', ", 'rummy', 'lactonic', 'cooling', 'cinnamyl'
2	'fruity', 'nutty', 'earthy', 'meaty', 'creamy', 'musty', 'ethereal', 'cheesy', 'buttery'
3	'spicy', 'balsamic', 'vegetable', 'roasted', 'garlic', 'fermented', 'savory'
4	'green', 'floral', 'woody', 'rose', 'sweet', 'pine', 'apple', 'honey', 'berry', 'melon', 'onion', 'pear', 'orange', 'musk', 'mushroom', 'violet', 'peach', 'lily', 'cherry', 'almond', 'apricot', 'hyacinth', 'muguet', 'orris', 'geranium', 'cedar', 'plum', 'lemon', 'lavender', 'hay'
5	'herbal', 'tobacco', 'dairy', 'medicinal'
6	'waxy', 'powdery', 'leafy', 'grassy', 'weedy', 'leathery'

Grupos	k = 8
0	'spicy', 'balsamic', 'roasted', 'onion', 'garlic', 'cucumber', 'fermented', 'savory', 'hazelnut'
1	'herbal', 'citrus', 'sweet', 'apple', 'vegetable', 'pineapple', 'honey', 'melon', 'grape', 'banana', 'pear', 'coffee', 'coconut', 'mushroom', 'vanilla', 'tobacco', 'dairy', 'cocoa', 'apricot', 'cognac', 'medicinal', 'grapefruit', 'chocolate'
2	'green', 'floral', 'woody', 'rose', 'pine', 'minty', 'berry', 'orange', 'leafy', 'musk', 'violet', 'peach', 'lily', 'cherry', 'almond', 'hyacinth', 'muguet', 'milky', 'orris', 'geranium', 'cedar', 'grassy', 'plum', 'lemon', 'lavender', 'weedy', 'hay'
3	'dry', 'clean', 'fresh', 'cooling'
4	'fruity', 'fatty', 'nutty', 'oily', 'meaty', 'musty', 'cheesy', 'buttery', 'soapy'
5	'aldehydic', 'caramellic', 'amber', 'camphoreous', 'metallic', 'jasmin', 'winey', 'animal', 'burnt', 'cortex', 'terpenic', ' ', 'rummy', 'lactonic', 'cinnamyl'
6	'waxy', 'powdery', 'creamy', 'phenolic', 'leathery'
7	'tropical', 'earthy', 'sulfurous', 'ethereal'

Grupos	k = 9
0	'aldehydic', 'caramellic', 'camphoreous', 'jasmin', 'clean', 'animal', 'burnt', 'terpenic', 'alliaceous', 'rummy', 'lactonic', 'cooling'
1	'citrus', 'balsamic', 'pineapple', 'banana', 'coconut', 'vanilla', 'cocoa', 'cognac', 'grapefruit', 'hazelnut'
2	'fatty', 'sulfurous', 'phenolic', 'cortex', 'cinnamyl'
3	'woody', 'pine', 'apple', 'berry', 'onion', 'pear', 'winey', 'musk', 'peach', 'cherry', 'almond', 'apricot', 'milky', 'orris', 'cedar', 'plum', 'lemon', 'hay'
4	'herbal', 'vegetable', 'roasted', 'honey', 'melon', 'grape', 'coffee', 'mushroom', 'tobacco', 'garlic', 'dairy', 'medicinal', 'cucumber', 'fermented', 'chocolate'
5	'green', 'rose', 'amber', 'metallic', 'orange', 'violet', 'lily', 'hyacinth', 'muguet', 'lavender'
6	'fruity', 'spicy', 'nutty', 'sweet', 'earthy', 'oily', 'meaty', 'minty', 'musty', 'ethereal', 'dry', 'cheesy', 'buttery', 'fresh', 'soapy', 'savory'
7	'floral', 'waxy', 'powdery', 'creamy', 'leafy', 'geranium', 'grassy', 'weedy', 'leathery'
8	'tropical'

Grupos	k = 10
0	'citrus', 'apple', 'vegetable', 'pineapple', 'honey', 'melon', 'grape', 'onion', 'banana', 'pear', 'leafy', 'coffee', 'coconut', 'mushroom', 'vanilla', 'peach', 'cherry', 'dairy', 'cocoa', 'almond', 'apricot', 'cognac', 'grapefruit', 'plum', 'cucumber', 'lemon', 'chocolate', 'hazelnut'
1	'fruity', 'tropical', 'nutty', 'sweet', 'earthy', 'meaty', 'minty', 'musty', 'ethereal', 'clean', 'cheesy', 'buttery', 'fresh', 'soapy', 'savory', 'weedy'
2	'floral', 'pine', 'burnt', 'cedar', 'grassy'
3	'green', 'metallic', 'orange', 'violet', 'milky', 'lavender'
4	'cortex'
5	'creamy', 'leathery'
6	'herbal', 'tobacco', 'medicinal'
7	'waxy', 'fatty', 'sulfurous', 'oily', 'powdery', 'phenolic', 'dry', 'cooling', 'cinnamyl'
8	'spicy', 'balsamic', 'roasted', 'garlic', 'fermented'
9	'woody', 'rose', 'aldehydic', 'caramellic', 'berry', 'amber', 'camphoreous', 'jasmin', 'winey', 'animal', 'musk', 'lily', 'hyacinth', 'terpenic', 'muguet', 'alliaceous', 'orris', 'rummy', 'geranium', 'lactonic', 'hay'

Grupos	k = 11
0	'fruity', 'buttery', 'savory'
1	'sulfurous', 'aldehydic', 'caramellic', 'camphoreous', 'dry', 'jasmin', 'winey', 'clean', 'animal', 'burnt', 'cortex', 'hyacinth', 'terpenic', 'muguet', 'alliaceous', 'rummy', 'lactonic', 'cooling', 'weedy'
2	'citrus', 'apple', 'pineapple', 'banana', 'coffee', 'coconut', 'tobacco', 'cocoa', 'cognac', 'grapefruit'
3	'tropical'
4	'green', 'rose', 'amber', 'metallic', 'orange', 'violet', 'lily', 'milky', 'lavender'
5	'woody', 'sweet', 'minty', 'honey', 'berry', 'melon', 'musk', 'vanilla', 'peach', 'cherry', 'fresh', 'almond', 'orris', 'lemon', 'chocolate', 'hay'
6	'fatty', 'powdery', 'phenolic', 'cinnamyl'
7	'herbal', 'spicy', 'balsamic', 'oily', 'vegetable', 'roasted', 'garlic', 'dairy', 'medicinal', 'cucumber', 'fermented'
8	'floral', 'pine', 'grape', 'onion', 'pear', 'leafy', 'mushroom', 'apricot', 'geranium', 'cedar', 'grassy', 'plum', 'hazelnut'
9	'waxy', 'creamy', 'leathery'
10	'nutty', 'earthy', 'meaty', 'musty', 'ethereal', 'cheesy', 'soapy'

Grupos	k = 12
0	'nutty', 'earthy', 'meaty', 'musty', 'ethereal', 'cheesy', 'soapy'
1	'green', 'woody', 'rose', 'minty', 'aldehydic', 'caramellic', 'berry', 'amber', 'camphoreous', 'jasmin', 'winey', 'animal', 'violet', 'lily', 'burnt', 'hyacinth', 'terpenic', 'muguet', 'alliaceous', 'orris', 'lactonic', 'hay'
2	'spicy', 'balsamic', 'roasted', 'garlic', 'savory', 'fermented'
3	'floral', 'sweet', 'creamy', 'honey', 'melon', 'onion', 'pear', 'orange', 'musk', 'mushroom', 'vanilla', 'peach', 'cherry', 'almond', 'apricot', 'milky', 'rummy', 'geranium', 'plum', 'cucumber', 'lemon', 'lavender', 'chocolate'
4	'dry', 'clean', 'cooling'
5	'waxy', 'powdery', 'phenolic', 'cinnamyl'
6	'herbal', 'citrus', 'vegetable', 'pineapple', 'grape', 'banana', 'coffee', 'coconut', 'tobacco', 'dairy', 'cocoa', 'medicinal', 'cognac', 'grapefruit', 'hazelnut'
7	'fruity', 'nutty', 'earthy', 'sulfurous', 'oily', 'meaty', 'musty', 'ethereal', 'metallic', 'cheesy', 'buttery', 'fresh', 'soapy'
8	'fatty'
9	'leafy', 'grassy', 'weedy', 'leathery'
10	'tropical'
11	'pine', 'cedar'