

Quiz 3_1

เอกสารในสารบบ

D1={cat, dog, tiger, zoo}

D2={ant, dog, zebra}

D3={cat, kitty, fish}

D4={dog, puppy, house}

D5={ant, suger, table}

D6={tiger, cat, door}

D7={bird, door, window }

D8={cat, fish, kitty}

D9={door, tiger}

D10={cat, chair, table}

Algorithm1

D10

D2

D5

D7

D4

D3

D1

D8

D6

D9

Algorithm2

D1

D2

D3

D5

D4

D6

D8

D7

D9

D10

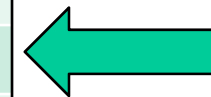
Query = {cat, dog}

Algorithm ใดดีกว่ากัน (ด้วยตัวเลข) ???

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R D6={tiger, cat, door}
 D7={bird, door, window }
R D8={cat, fish, kitty}
 D9={door, tiger}
R D10={cat, chair, table}
Query = {cat, dog}

D	P	R	F
D10	1.00	0.14	0.25
D2	1.00	0.29	0.44
D5			
D7			
D4	0.60	0.43	0.50
D3	0.67	0.57	0.62
D1	0.71	0.71	0.71
D8	0.75	0.86	0.80
D6	0.78	1.00	0.86
D9			
AVG	0.79		0.60



$$F = \frac{2}{\frac{1}{P} + \frac{1}{R}}$$

$$F = \frac{2}{\frac{1}{0.60} + \frac{1}{0.43}} = 0.50$$

Algorithm 1

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D4	0.60	0.43	0.50
D3	0.67	0.57	0.62
D1	0.71	0.71	0.71
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D6	0.78	1.00	0.86
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AVG	0.79		0.60

Algorithm 1

D	P	R	F
D1	1.00	0.14	0.25
D2	1.00	0.29	0.44
D3	1.00	0.43	0.60
D5			
D4	0.8	0.57	0.67
D6	0.83	0.71	0.77
D8	0.86	0.86	0.86
D7			
D9			
D10	0.7	1.00	0.82
AVG	0.88		0.63

Algorithm 2