

KNN

#	class	x1	y1
1	a	1.5	2.4
2	a	2.4	2.1
3	b	3.2	1.8
4	b	4.2	2.8
5	a	1.8	0.8
6	b	3.1	2.5
7	b	2.5	3.2

Rank	Euclidean	Class
1	0.400	a
3	1.140	a
5	1.972	b
7	2.700	b
6	2.022	a
4	1.628	b
2	1.077	b

Rank	Class
1	a
2	b
3	a
4	b
5	b

count	class
2	a
3	b

max count	3
predict	b

New data	1.5	2.8
predict (KNN)	b	

Dual-KNN

#	class	x1	y1
1	a	1.5	2.4
2	a	2.4	2.1
3	b	3.2	1.8
4	b	4.2	2.8
5	a	1.8	0.8
6	b	3.1	2.5
7	b	2.5	3.2

Rank	Euclidean	Class
1	0.400	a
3	1.140	a
5	1.972	b
7	2.700	b
6	2.022	a
4	1.628	b
2	1.077	b

Rank	Class	Euclidean
1	a	0.400
2	b	1.077
3	a	1.140
4	b	1.628
5	b	1.972

count	class
2	a
3	b

New data	1.5	2.8
redict (Dual-KNN)	a	

Rank	a	b
1	0.400	0.000
2	0.000	1.077
3	1.140	0.000
4	0.000	1.628
5	0.000	1.972
average	0.770	1.559

min avg dista	0.770
class	a