

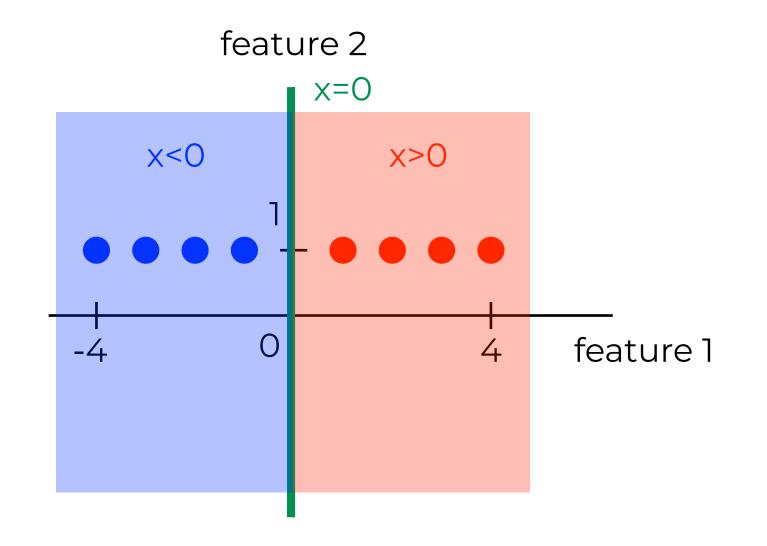
The Basics

Itthi Chatnuntawech





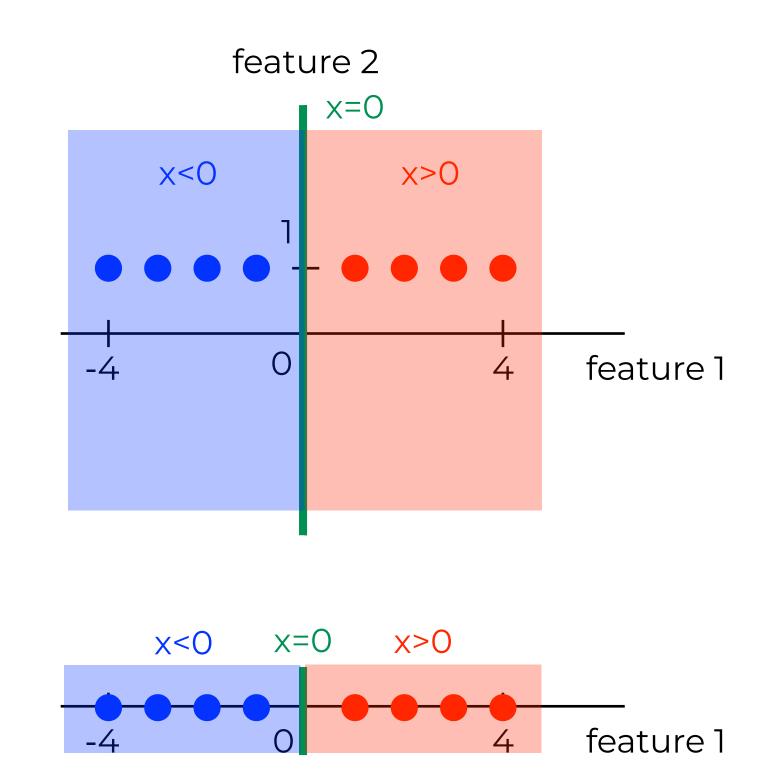
	feature 1	feature 2
sample 1	-4	1
sample 2	-3	1
sample 3	-2	1
sample 4	-1	1
sample 5	1	1
sample 6	2	1
sample 7	3	1
sample 8	4	1





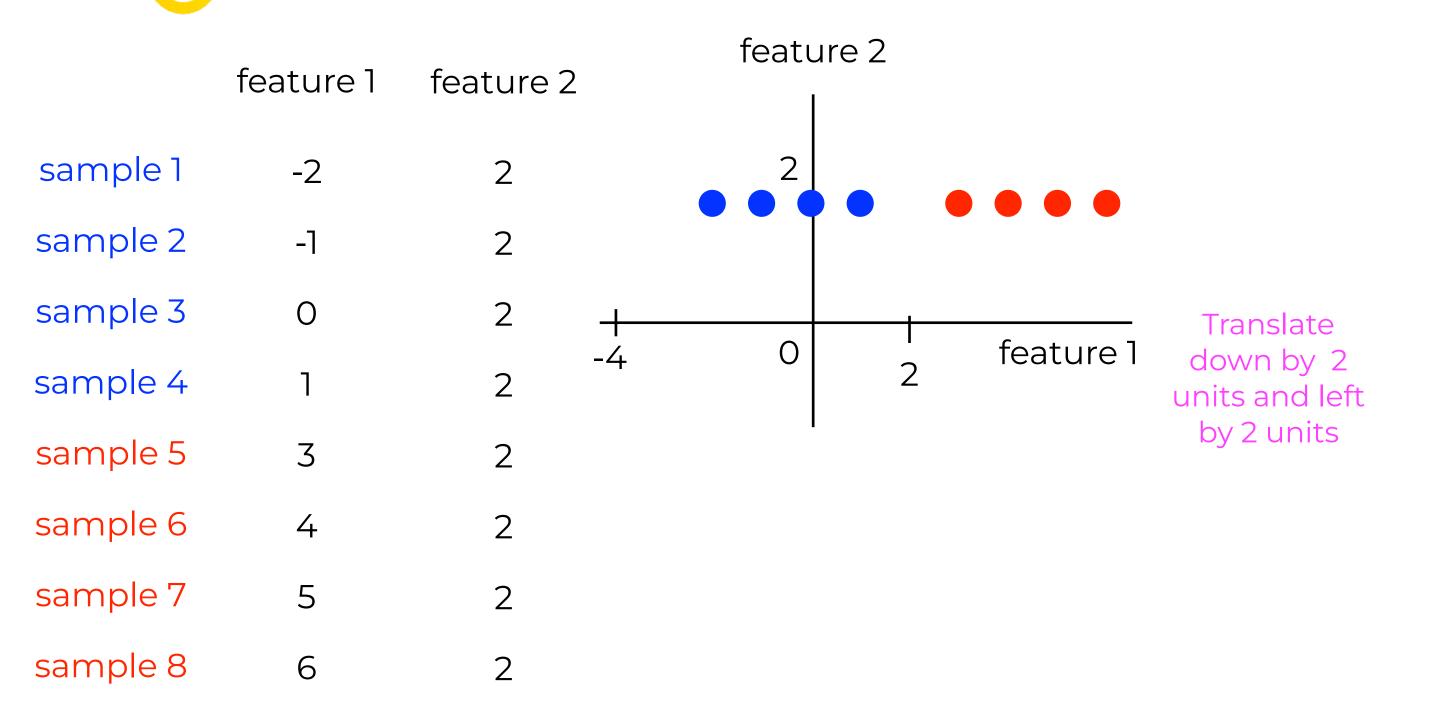


	feature 1	feature 2
sample 1	-4	7
sample 2	-3	7
sample 3	-2	7
sample 4	-1	7
sample 5	7	7
sample 6	2	7
sample 7	3	7
sample 8	4	7



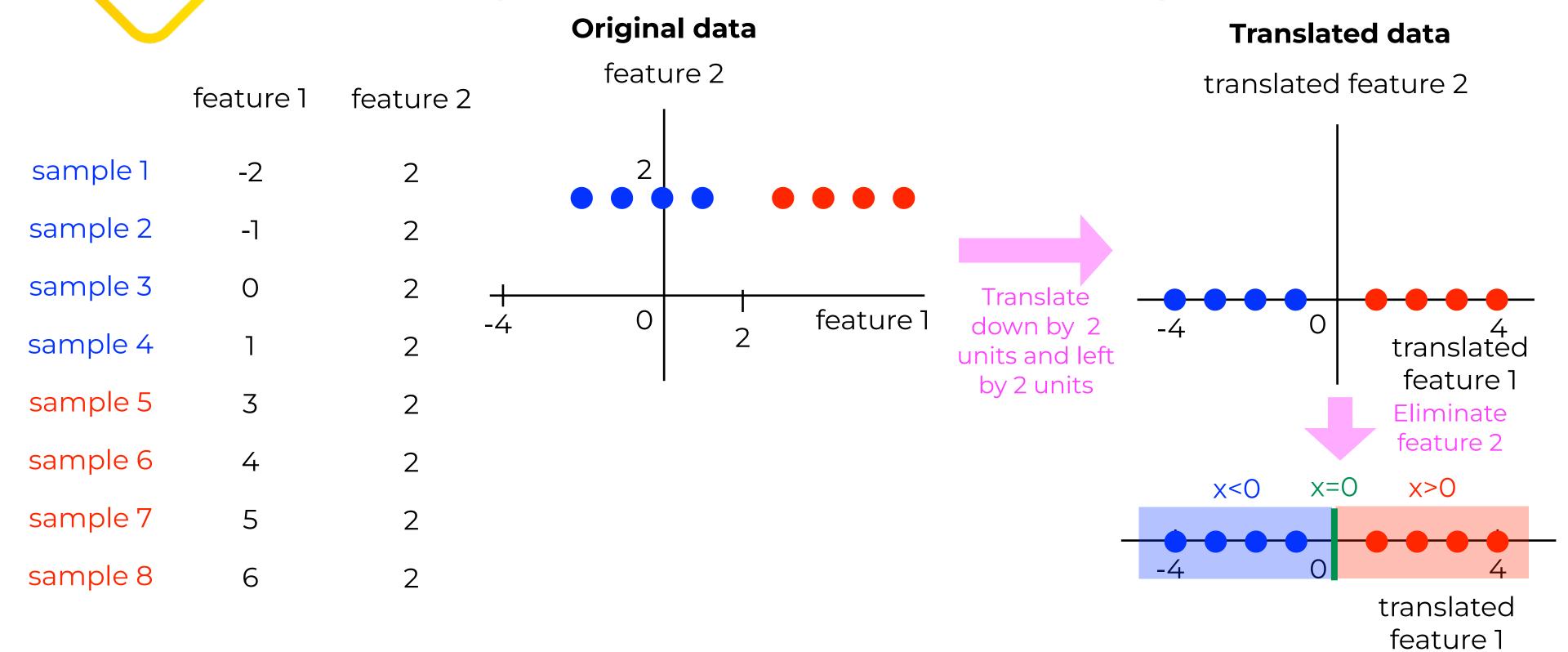








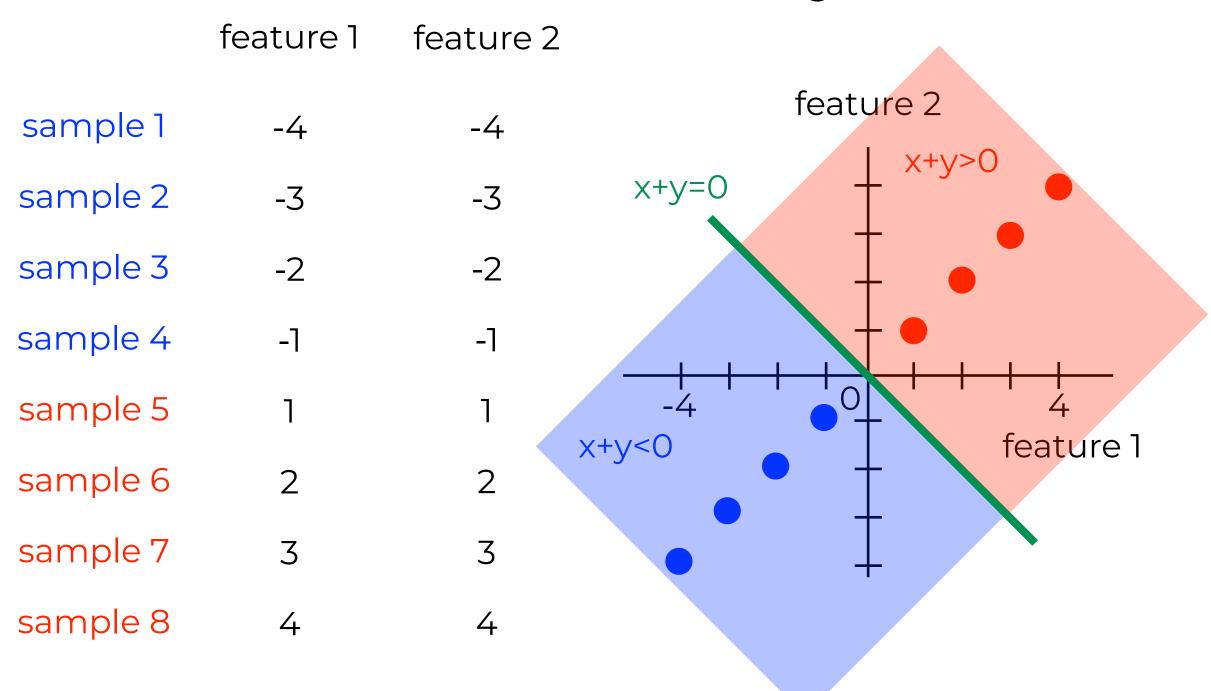






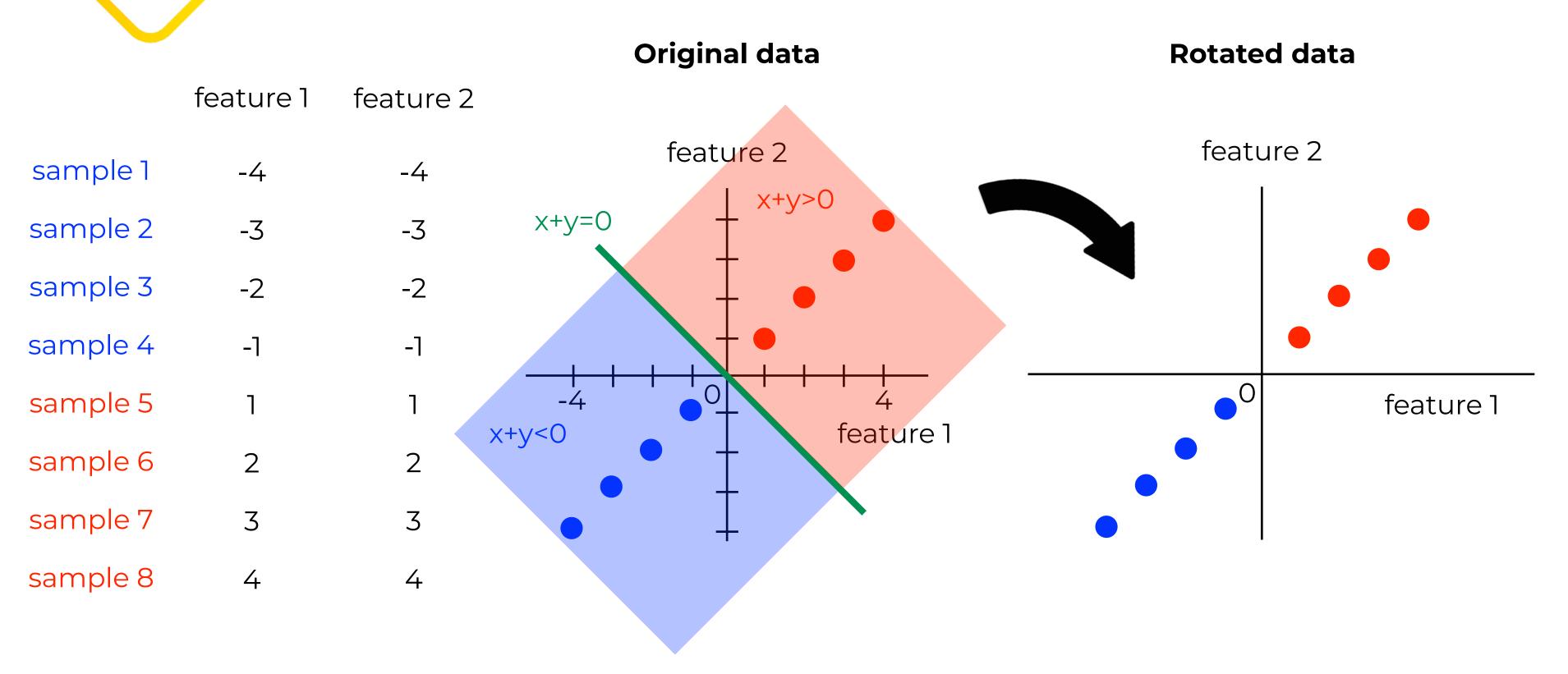


Original data





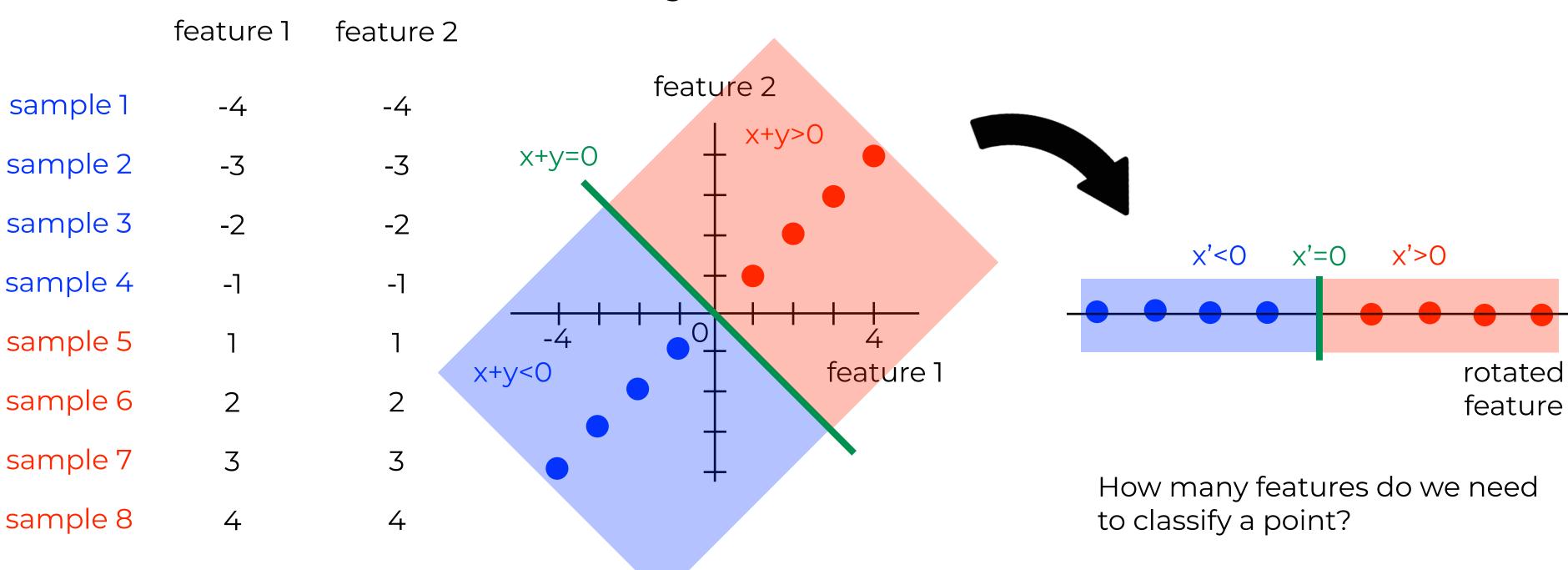








Original data

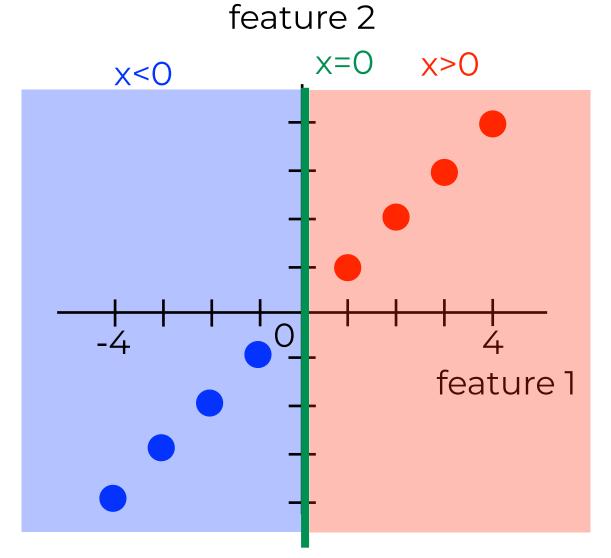






Original data

	feature 1	feature 2
sample 1	-4	-4
sample 2	-3	-3
sample 3	-2	-2
sample 4	-1	-1
sample 5	1	1
sample 6	2	2
sample 7	3	3
sample 8	4	4



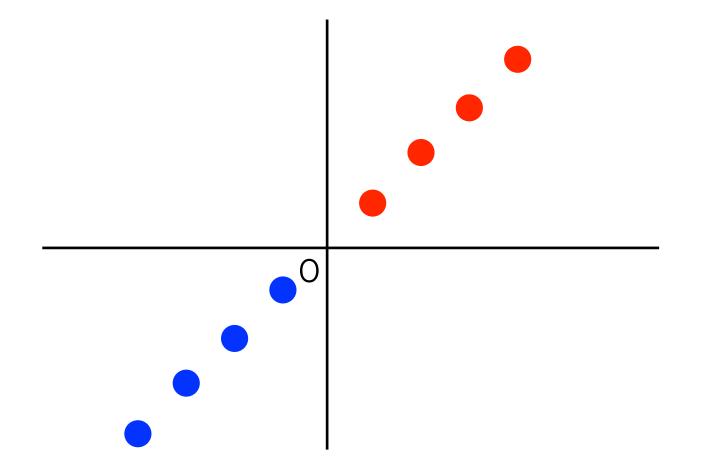
Why don't we just throw away feature 2 without rotating our data?

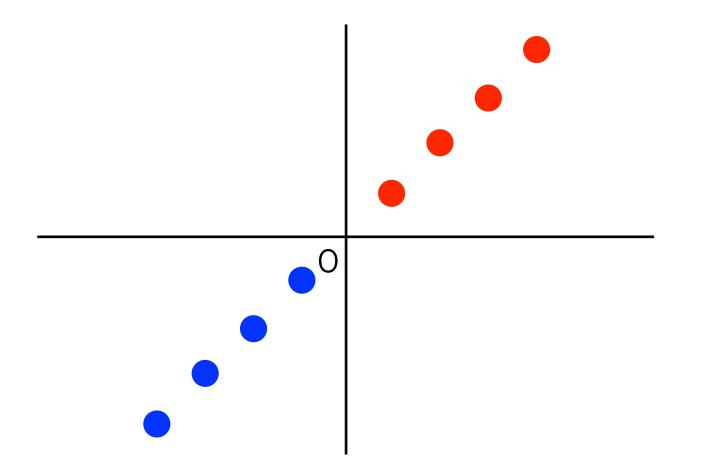




Original data

Original data



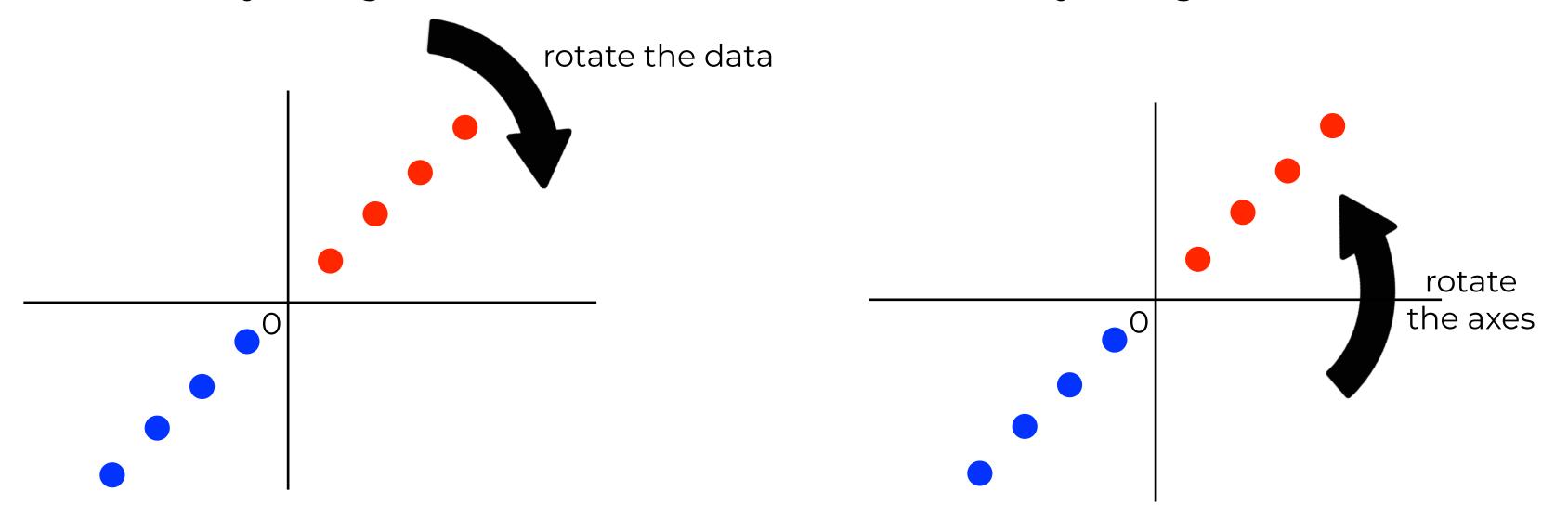






Rotated data by 45 degrees clockwise

Rotated the axes by 45 degrees counterclockwise

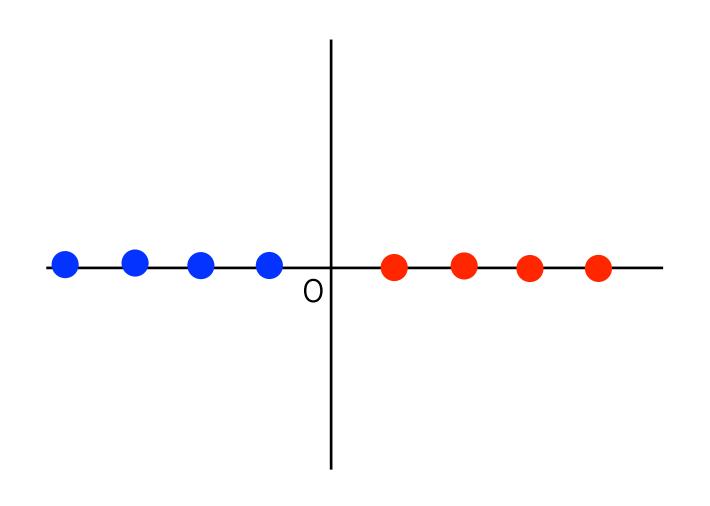


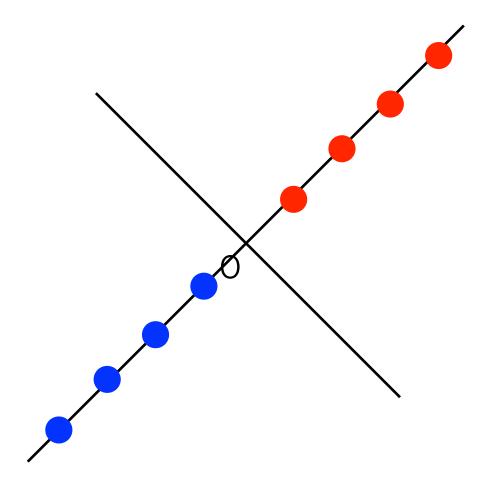




Rotated data by 45 degrees clockwise

Rotated the axes by 45 degrees counterclockwise



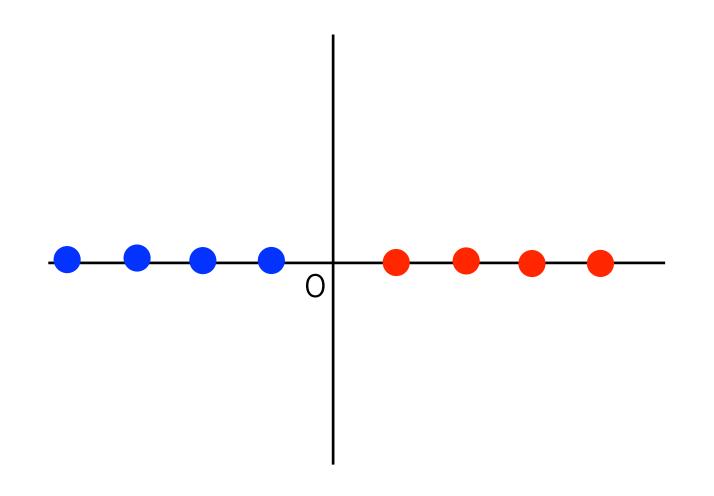


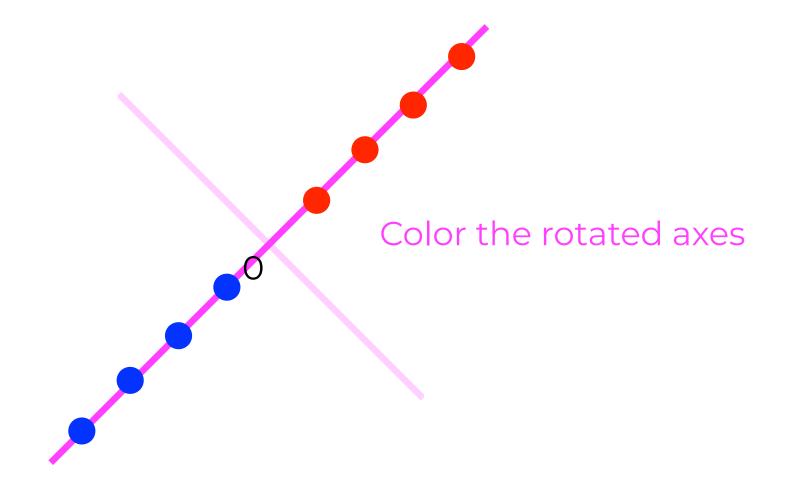




Rotated data by 45 degrees clockwise

Rotated the axes by 45 degrees counterclockwise









Rotated data by 45 degrees clockwise

Rotated the axes by 45 degrees counterclockwise and tilt your head by 45 degrees

