Feature vector

Cow

Food	Animal	Clothes	.....

+1

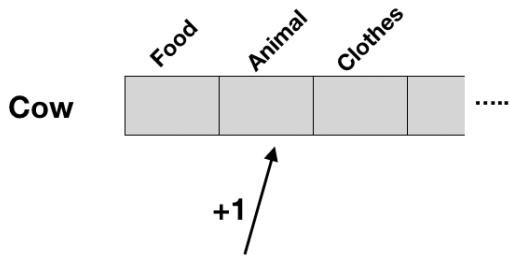"Do you want a **cow** or
do you want another **animal**?"

Classification

Horse

Cow

θ

Φ

Shirt

?

$\theta < \Phi$

AUC