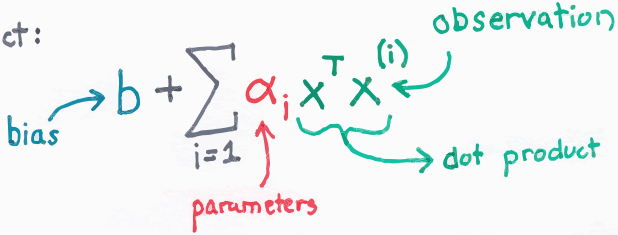
KERNEL TRICK

Support vector classifiers can be written as a dot product:



The kernel trick is to replace the dot product with a kernel:

$$b + \sum \alpha_i k(x, x^{(i)})$$ ← Kernel

Allows for non-linear decision boundaries and computational efficiency.

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