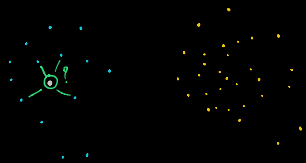


KNN for binary classification



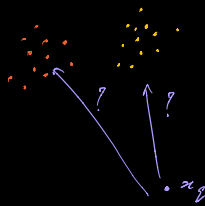
- Build of points.
- Look at surrounding points to predict the class of a new point.
- find k nearest neighbours
- majority or average or median, etc.

pretty basic
most of the
time.

→ there are *stupid* interviews
won't have whiteboard. So
it's important to explain stuff
without pen/paper in a simple concise way

where does KNN mess up?

If x_q (query pt.) is
too far, KNN won't be
reasonable.



KNN doesn't work with
 k -dim data because
Euclidean distance fails at the level.
Nothing wrong with KNN.

All depends on distance metric.

→ There's a threshold of stuff
you should remember.

→ It's okay to not remember system of
obscure f^n .

→ It's NOT fucking okay to forget
system of for loop or dictionary.

Very high space & time
complexity.

If dataset has outliers, it fails.

