



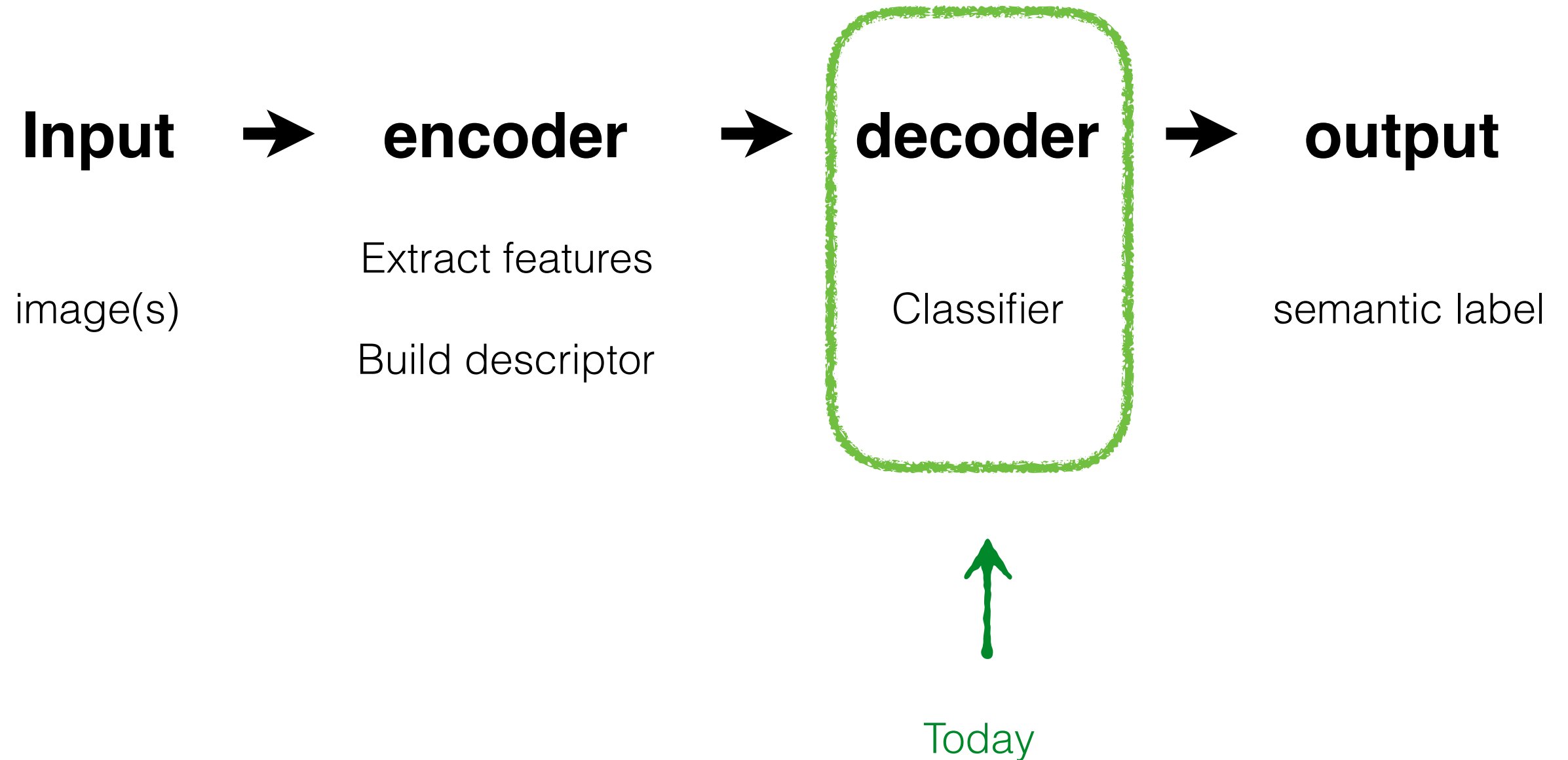
Classification

Computer Vision

Carnegie Mellon University (Kris Kitani)

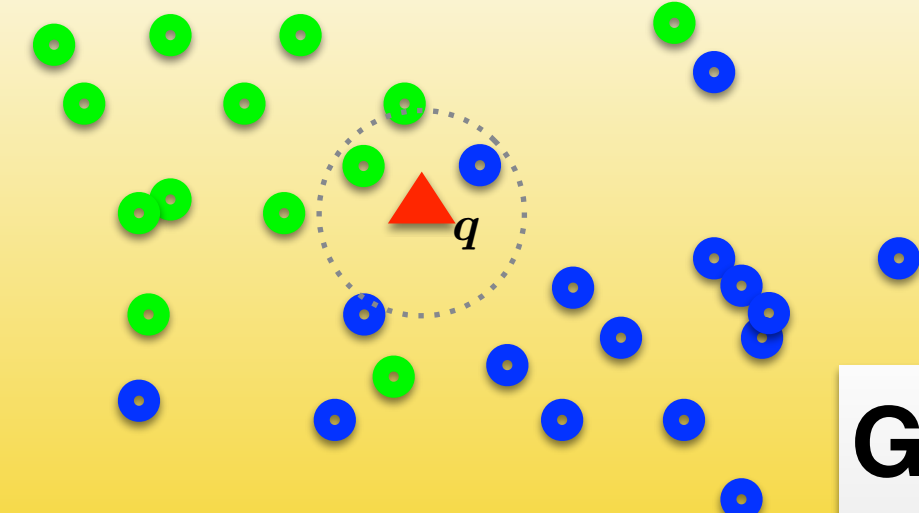
‘Classical’

Image Classification Pipeline



Three approaches to decoding (classification) ...

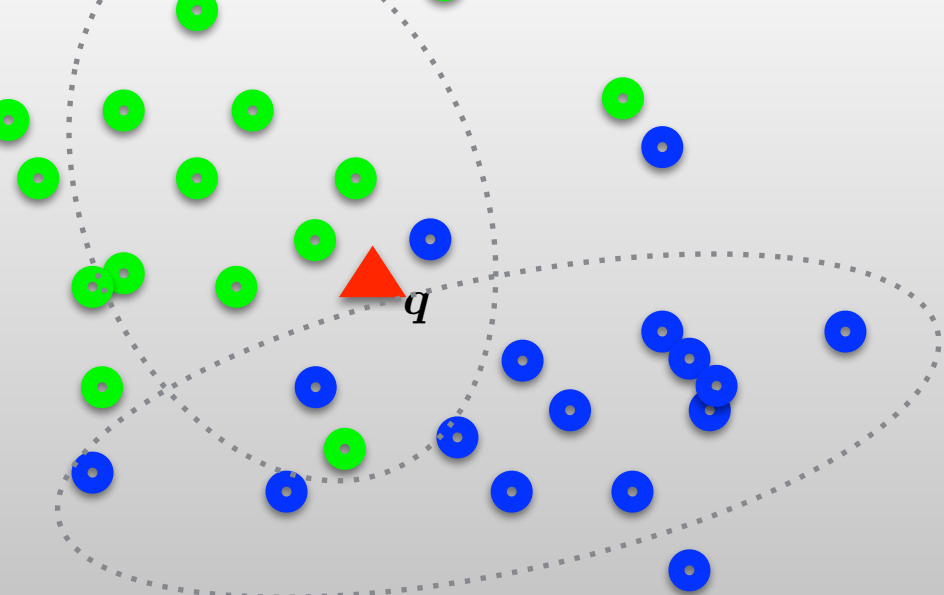
Non-parametric



Nearest Neighbor

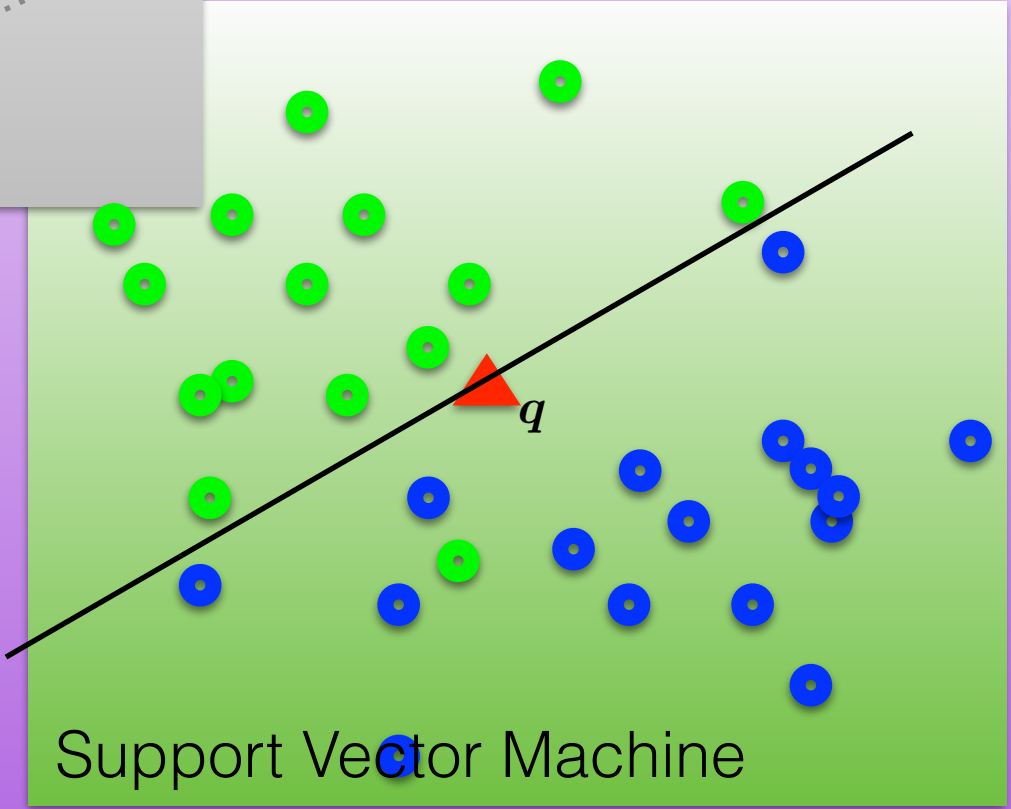
Parametric

Generative



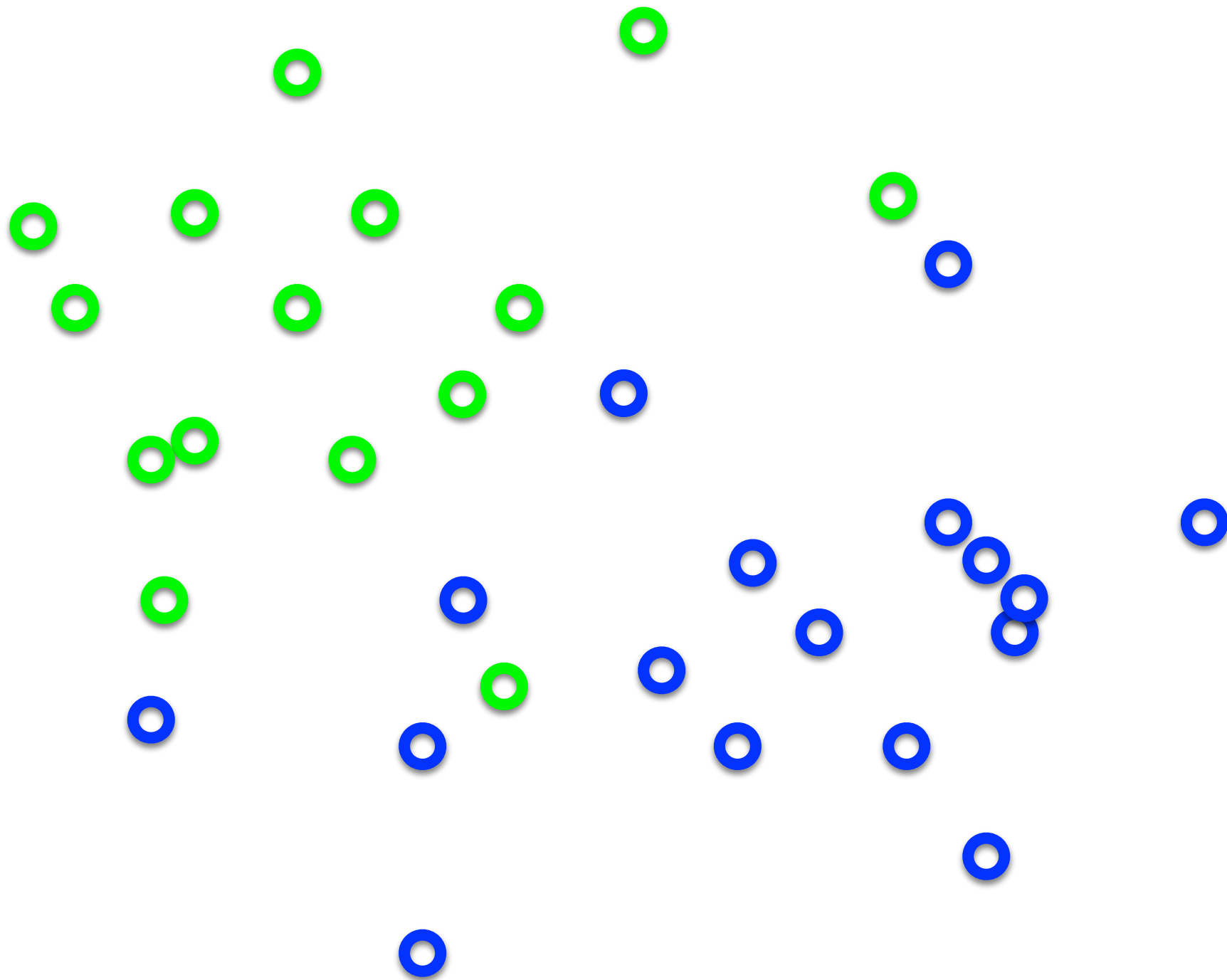
Naive Bayes

Discriminative

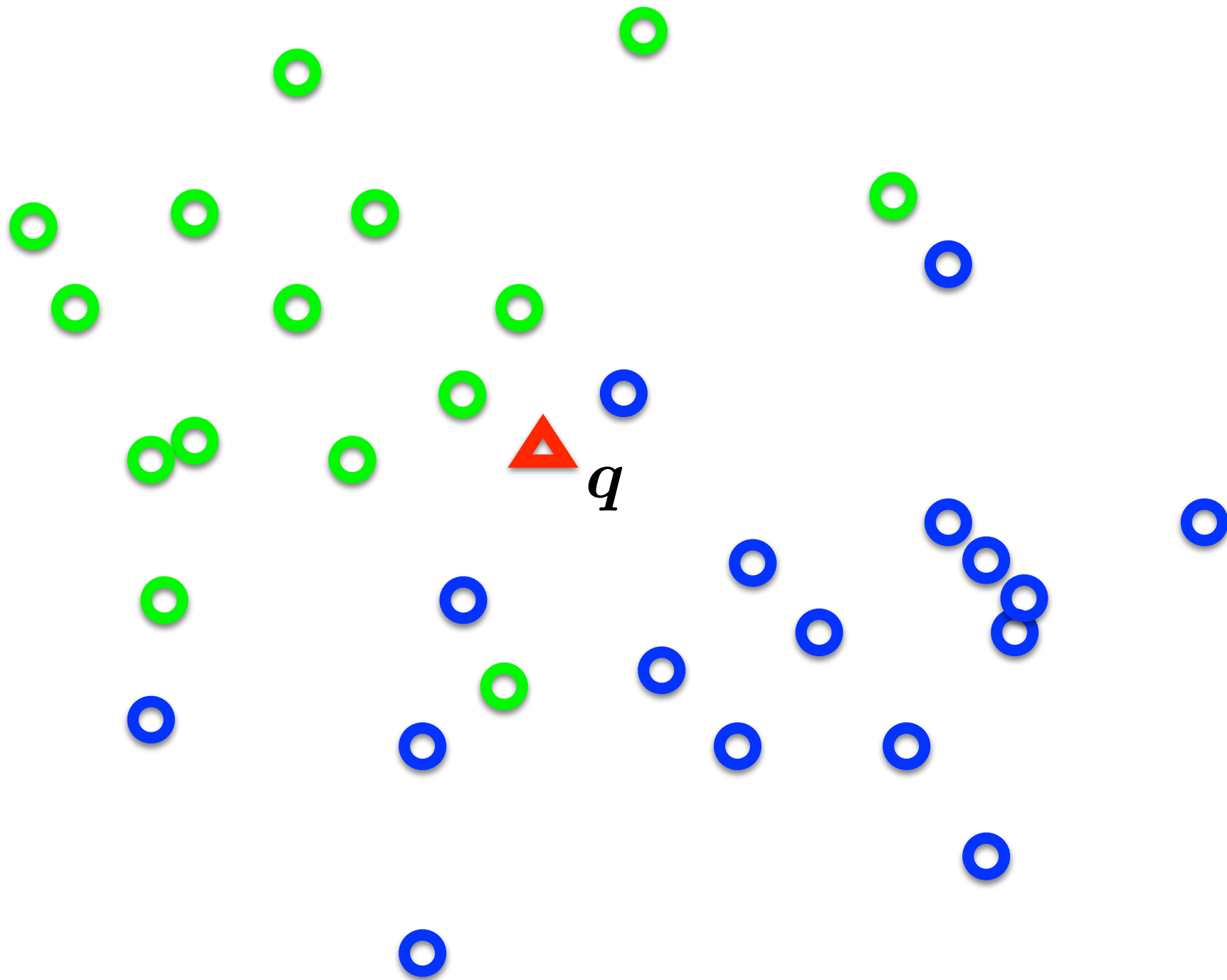


Support Vector Machine

Distribution of data from two classes



Distribution of data from two classes



Classification: Which class does q belong too?