

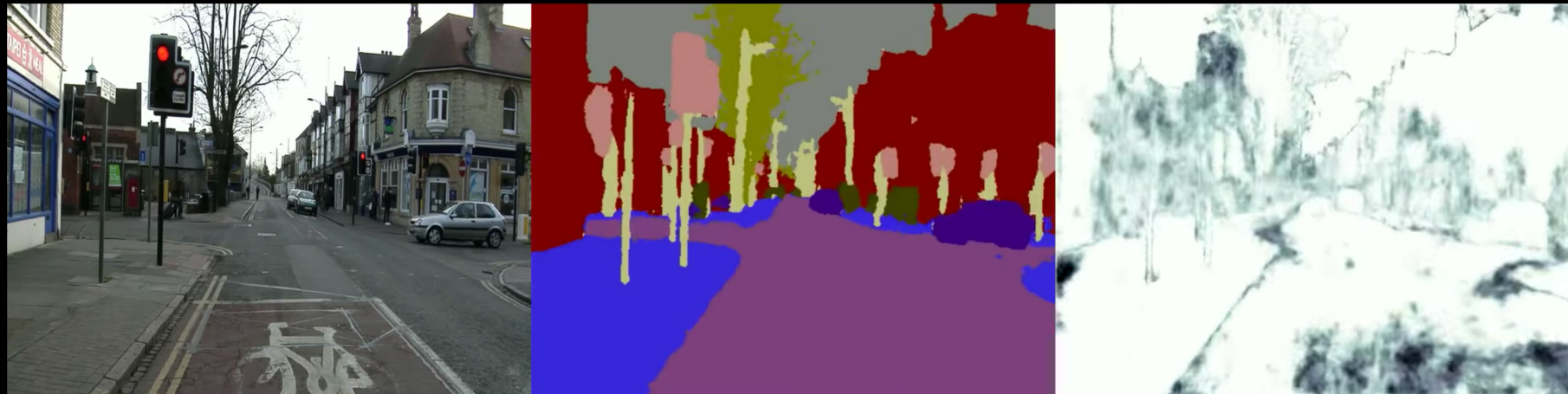
Fast and Lightweight Probability Tool and Artificial Intelligence







CamVid Road Scene Understanding



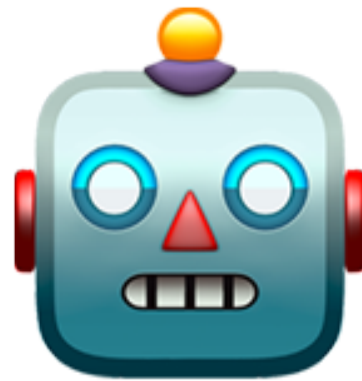
Input Image

Class Segmentation

Model Uncertainty

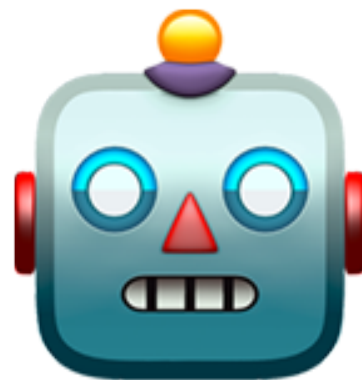


Input



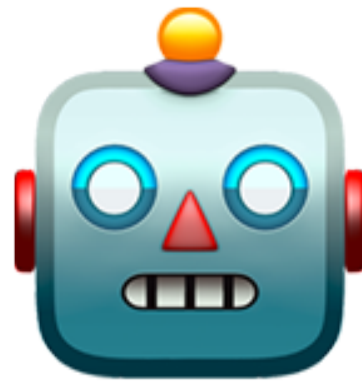
Result

Input



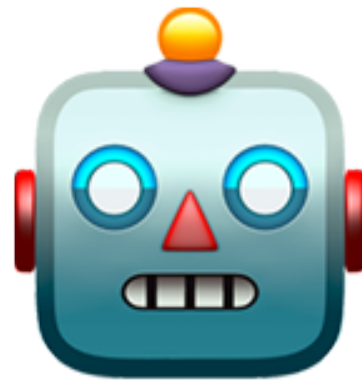
Result $\pm$ Error

Input

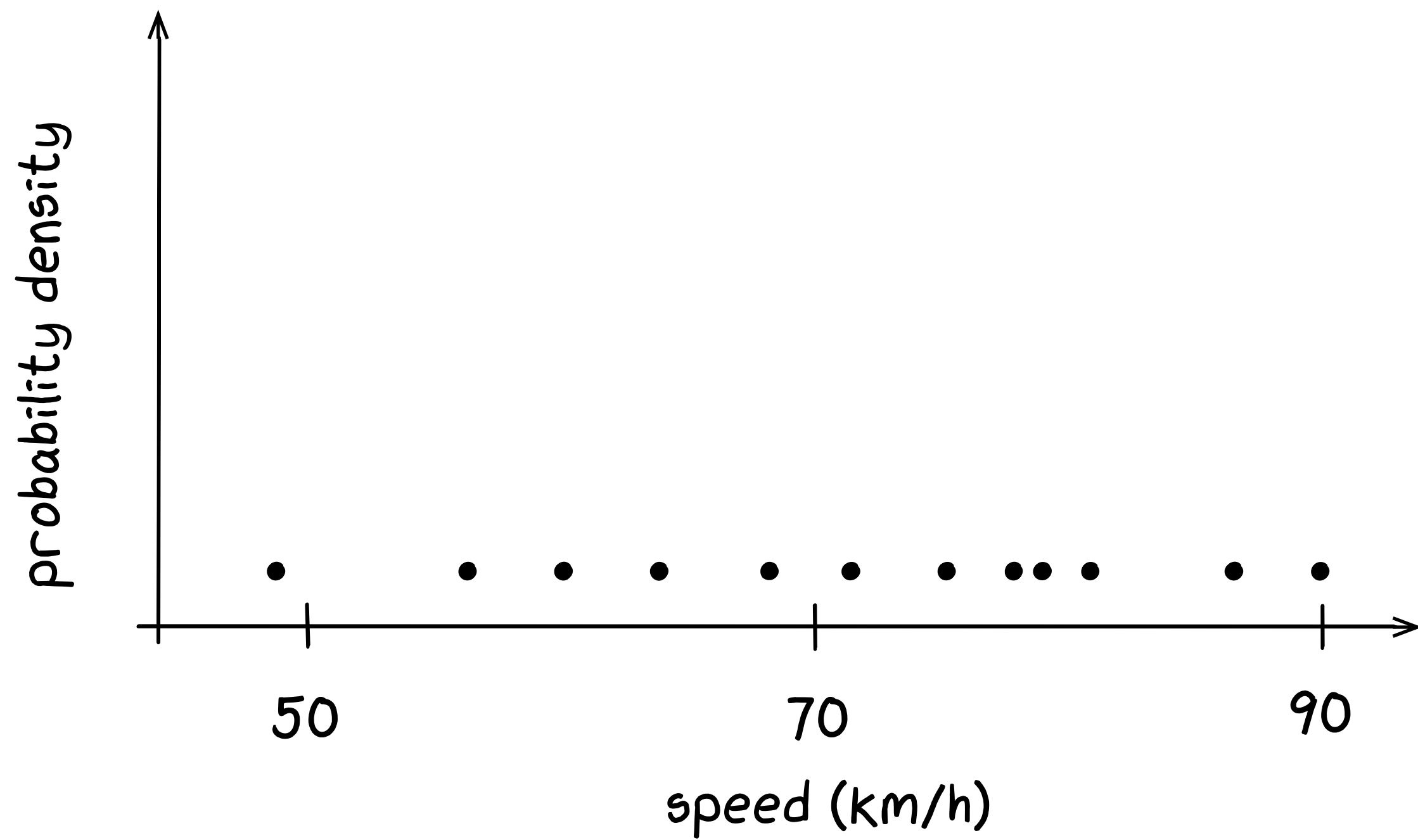


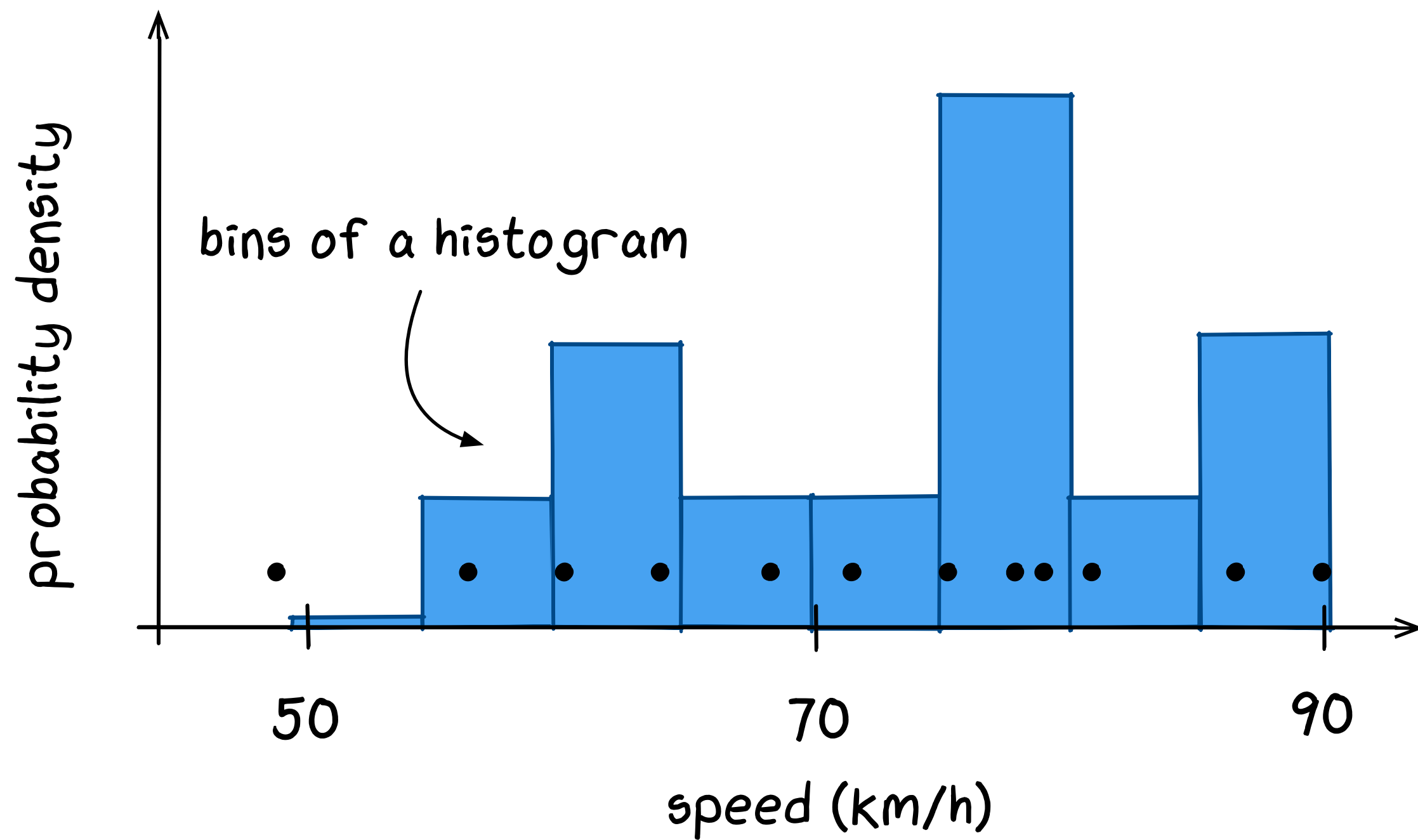
Result $\pm$ Confidence

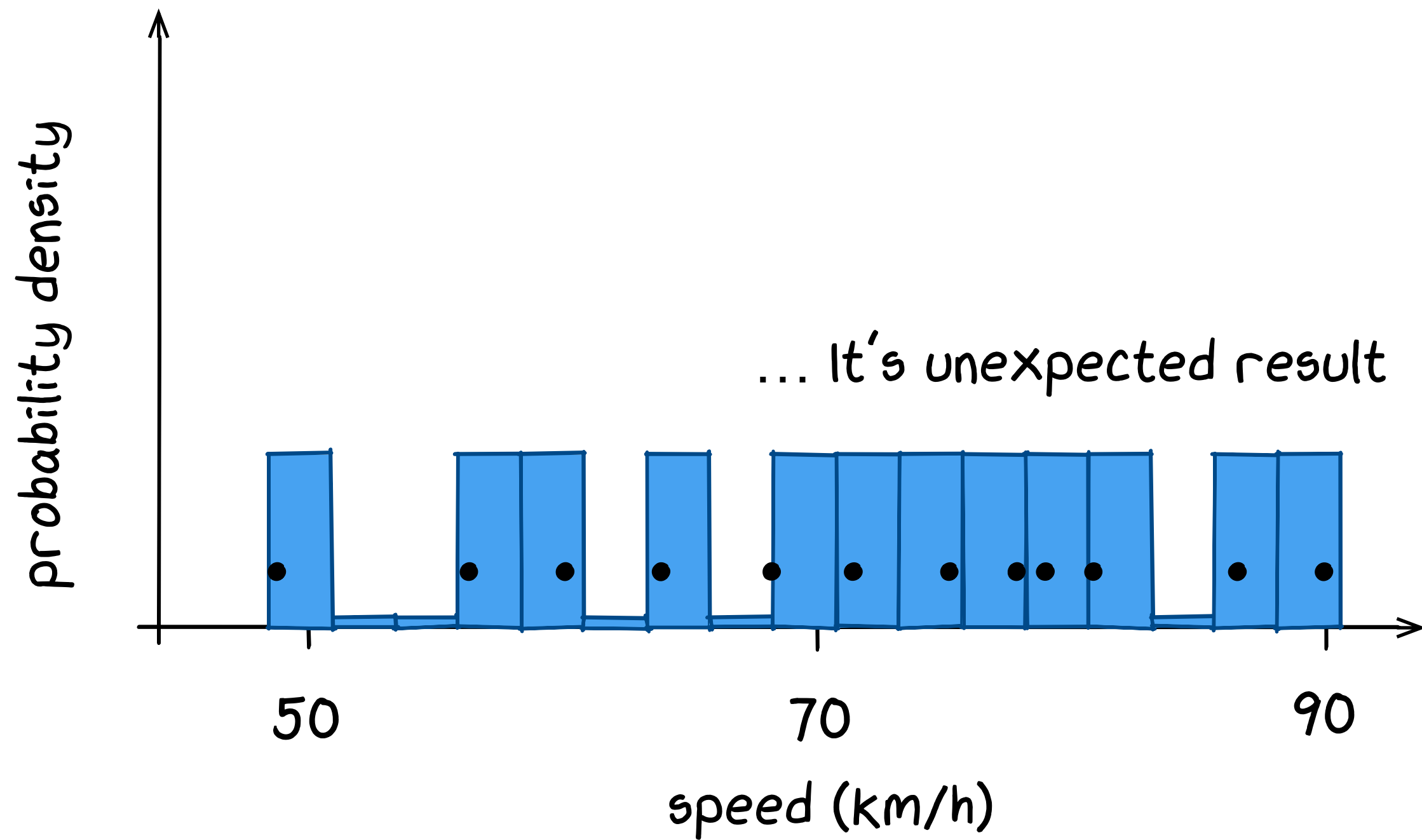
Input

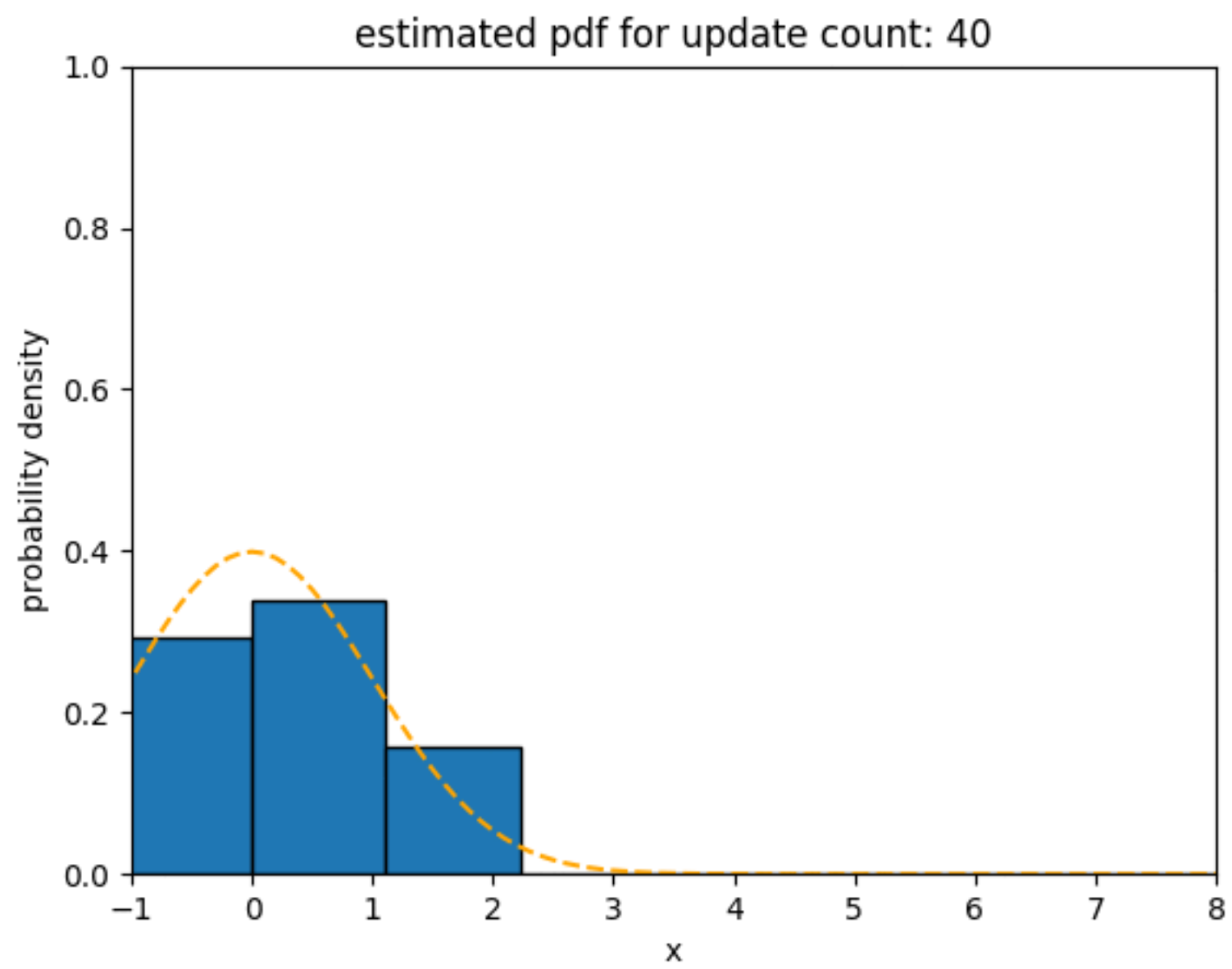


Result $\pm$ Uncertainty









×10,000

DNN

100%

BNN

3%

Throughput (fps)



Throughput (fps)





