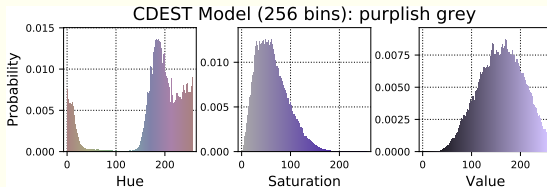


Estimating Conditional Continuous Probability Distributions

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Conditional PMF $\iff P(Y = y \mid X = x) \iff$ Softmax Classifier

Conditional PDF $\iff f_Y(y \mid X = x) \iff$ Function Approximation

Two Approaches:

Direct – work with derivatives/integrals – monotonicity issues

Indirect – use network to manipulate a Mixture Model