

$$\begin{aligned}
&h \in \mathcal{H} \\
&dim \mathcal{D} \\
&h_1 \\
&h_2 \\
&h_0 \\
&d \in \mathcal{H}, T \\
&P(h) \\
&h \in \mathcal{H} \\
&h_0 \\
&h_1 \\
&h_2 \\
&P(d|h) \\
&d(1-q)^{1-d} \\
&q \\
&h_0, h_1 \\
&h_2 \\
&d \\
&P(h) \\
&h \\
&\frac{\sum_{h'} P(d|h')P(h')}{P(h|d)} \\
&P(d|h) \\
&h \\
&? \\
&? \\
&\mathcal{H} \\
&d \\
&P(h|d) \\
&h \in \mathcal{H} \\
&P(h) \\
&h \\
&P(d|h) \\
&\frac{\sum_{h' \in \mathcal{H}} P(d|h')P(h')}{\mathcal{H}} \\
&\mathcal{H} \\
&?? \\
&Monte \\
&Carlo \\
&\approx \\
&\tilde{P}_N(h|d) = \\
&\frac{1}{N} \sum_{n=1}^N I[h_n = \\
&h], \\
&I[\cdot] =
\end{aligned}$$

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