

The Status Report

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- Distribution: $p(x|\theta) = \sum_k a_k p_k(x|z_k, \theta_k)$
- Bayes' Theorem: $w_{ik} = p(z_k|x_i, \theta) = \frac{p_k(x_i|z_k, \theta_k) a_k}{\sum_m a_m p_m(x_i|z_m, \theta_m)}$
- EM-Algorithm:
- Convergence: $\sum_i \log(p(x_i|\theta))$





