Expectation Maximization

18811066672

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1 Introduction

• E step.Expectation

$$Q(theta, theta^{(i)}) = \sum\nolimits_{Z} log P(Y, Z| theta) P(Z|Y, theta^{(i)})$$

ullet M step. Maximize parameters

$$theta^{(i+1)} = argmax_{theta}Q(theta, theta^{(i)})$$