Estimation of One Topic: $P(w|\theta_d)$

How to set θ_d to maximize $p(d|\Lambda)$?
(all other parameters are known)

d

… **text mining**…
is… **clustering**…
we…. **Text..** the

θ_d

text ?
mining ?
association ?
clustering ?
…
the ?

$p(\theta_d)+(\theta_B)=1$

$P(\theta_d)=0.5$

Topic
Choice

θ_B

the 0.03
a 0.02
is 0.015
we 0.01
food 0.003
…
text 0.000006

$P(\theta_B)=0.5$