
IFT6269 - Mid-project Report - Latent Dirichlet Allocation

Patrice Béchard ^{* 1} Théophile Gervet ^{* 2}

1. Choice of project

The proposed project consists of a review of the well known paper on Latent Dirichlet Allocation (Blei, Ng & Jordan, 2001). We will implement LDA using variational EM as well as Gibbs sampling to approximate the parameters. We will also conduct an experiment on real data using the *20 newsgroups* text dataset.

^{*}Equal contribution ¹Université de Montréal, Montréal, Canada ²McGill University, Montréal, Canada. Correspondence to: Patrice Béchard <patrice.bechard@umontreal.ca>, Théophile Gervet <theophile.gervet@umontreal.ca>.