PARAFAC Analysis on Enron Email Set

Table of Contents Proposal

1. Introduction

2. Data

   1. Description

   Qualitative & quantitative description

   2. Preprocessing

3. PARAFAC Methodolgy

   1. Motivation: Rotation problem of PCA

   2. Tensor decomposition

   3. PARAFAC-ALS

   Decomposition via alternating least squares

   TensorLy Package

4. Results

5. Conclusion