LVC 1 - Glossary of Notations

L_{ij} = Likelihood of ith user matching with j^{th} item in the user-item interaction matrix

L_i = The average of observed entries in row i of the user-item interaction matrix

n_i = The number of observed entries in row i of the user-item interaction matrix

L_j = The average of observed entries in column j of the user-item interaction matrix

n_j = The number of observed entries in column j of the user-item interaction matrix

x_i = Features of the ith user

y_j = Features of the jth item

M = The matrix where each column is a unique word and each row is a document and the entries represent the frequency of the jth word appearing in the ith document