

- **Decomposing signals in components (matrix factorization problems)**
- **Principal component analysis (PCA)**
- **Truncated singular value decomposition and latent semantic analysis**
- **Dictionary Learning**
- **Factor Analysis**
- **Independent component analysis (ICA)**
- **Non-negative matrix factorization (NMF or NNMF)**
- **Latent Dirichlet Allocation (LDA)**