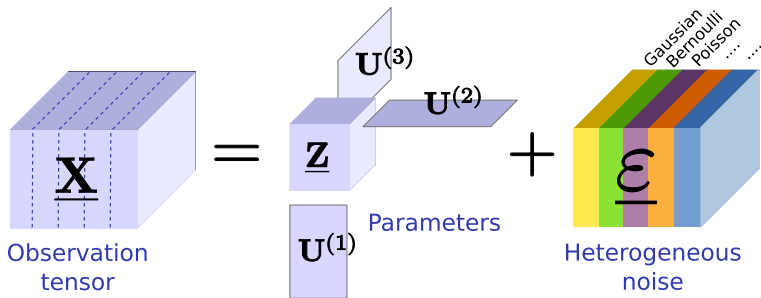# P4-28: 大規模データのための指数族テンソル因子化法
Scalable Exponential Family Tensor Factorization

○林浩平, 竹之内高志, 柴田智広, 池田和司

Exponential family tensor factorization (ETF)

a generalization of tensor factorization, assuming a different distribution for each attribute [Hayashi+ ICDM'10]

Problem
Learning algorithm is infeasible for large-scale data

New algorithm
Block coordinate projection with
2nd order stochastic optimization [Bottou+ NIPS'04]