Columns of U are latest factors (features) for users
Golumns of M are latest factors (features) for movies
How to find u; I m; ?
Rij & uim; , K is cet of all known ratings

$$K: I(c_i): R_{ij} is known ?
min $\sum_{i=1}^{N} (R_{ij} - u_i^m)^2 + \lambda \sum_{i=1}^{N} ||u_i||_{L^+} + \lambda \sum_{i=1}^{N} ||m_i||_{L^+} ||m_i|$$$

Stochastic Geadient Desent (SGD) Coordinale Descent... Other Alternatives :