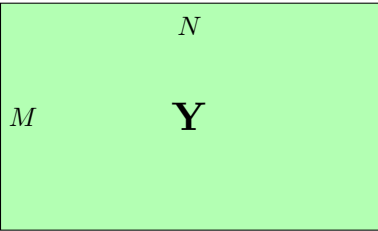
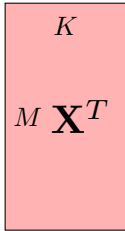


$$\mathbf{Y} \approx \hat{\mathbf{Y}} = \mathbf{X}^T \mathbf{W}$$



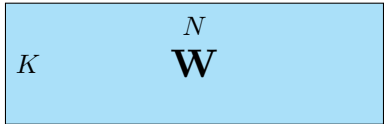
(Full) Utility matrix

\approx



Item features

\times



User features