

[17] Vapnik, V. (1995). The Nature of Statistical Learning. ed: Springer, NY.

[18] Wu, H., Zhang, Z., Yue, K., Zhang, B., He, J., Sun, L. (2018). Dual-regularized matrix factorization with deep neural networks for recommender systems. Knowledge-Based Systems, 145(1): 46-58. <https://doi.org/10.1016/j.knosys.2018.01.003>

NOMENCLATURE

μ_i average rating of the i -th item
 n number of users in a user-item matrix
 u active user

i an item of the active user of which rating must be predicted
 s_{ui} rating given to the item i by the user u .
 $md_{i,k}$ M-distance of item i and item k
 δ a threshold to determine nearest neighbours of an item
 p_{ui} predicted rating of the user u on item i
 v_i variance of rating of the i -th item
 $\tilde{\mu}_u$ average rating of the user u
 \tilde{v}_u variance of rating of the user u
 $vm d_{i,k}$ VM-distance of item i and item k
 w_k Gaussian weight of item i
 $\widetilde{vm d}_{u,t}$ VM-distance of user u and user t
 \tilde{w}_t Gaussian weight of user t