Lab Session 5 Customer Analytics – Questions after Lab

Questions received via email (questions regarding the main lecture will be discussed in next week's Q&A!)

- 1. [Doga];
 - (1) Can you please go over how to calculate a user profile manually? (t(rating_m) / rowSums(item))
 - (2) Before calculating the cosine similarity as a measure of closeness we assign values to the new item matrix, how do we decide on these values?

- 2. [Jan];
 - (1) What does %*% mean in R?
- 3. [Noa];
 - (1) When making a user profile should we always use the transpose of the normalized ratings? Why? Has that something to do with the multiplication of the matrices?
 - (2) When computing the CS, should we always take the transpose of the new_item in the numerator? Because in the denominator we take new_item^2 without the transpose, right? Why is that the case?