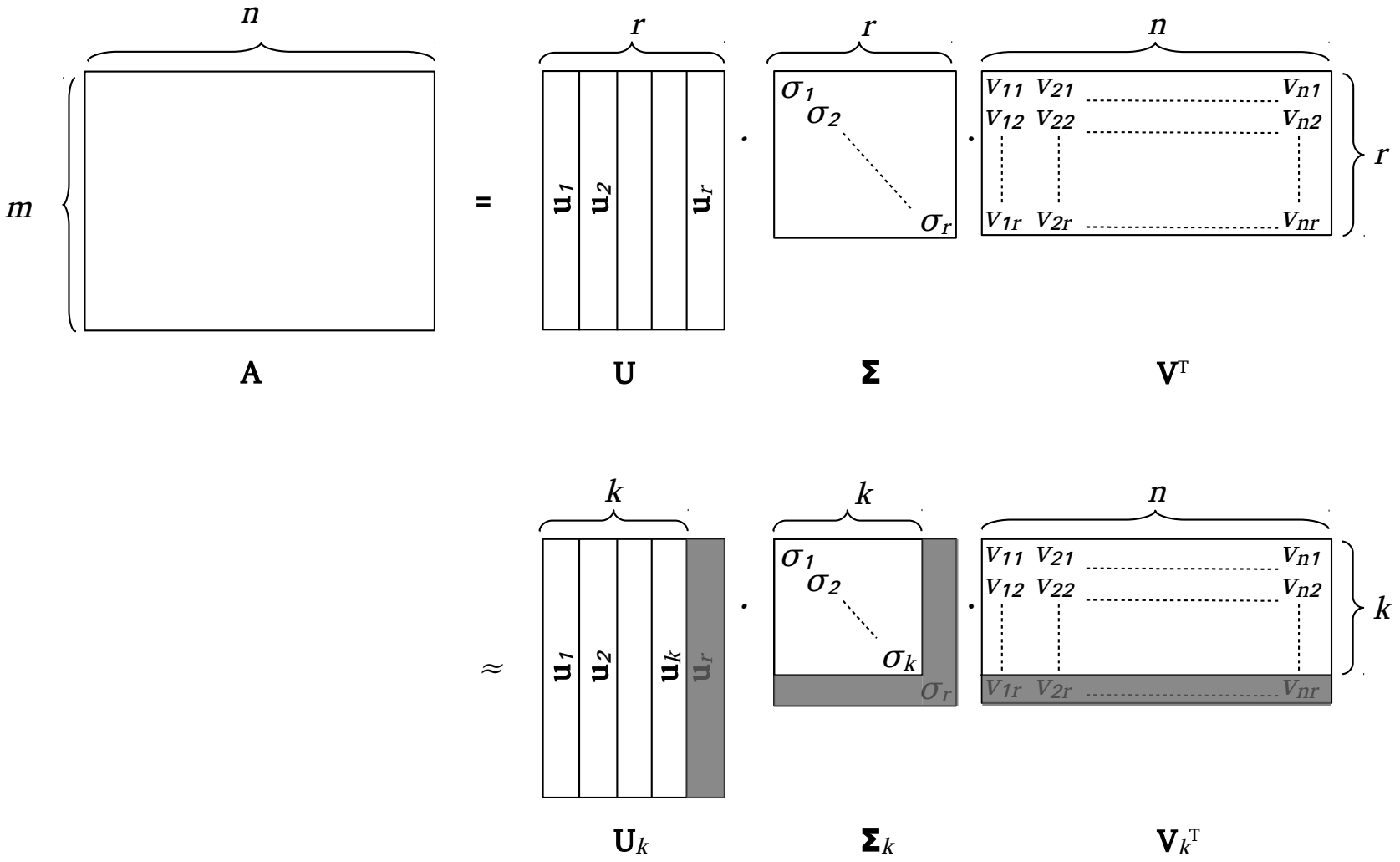
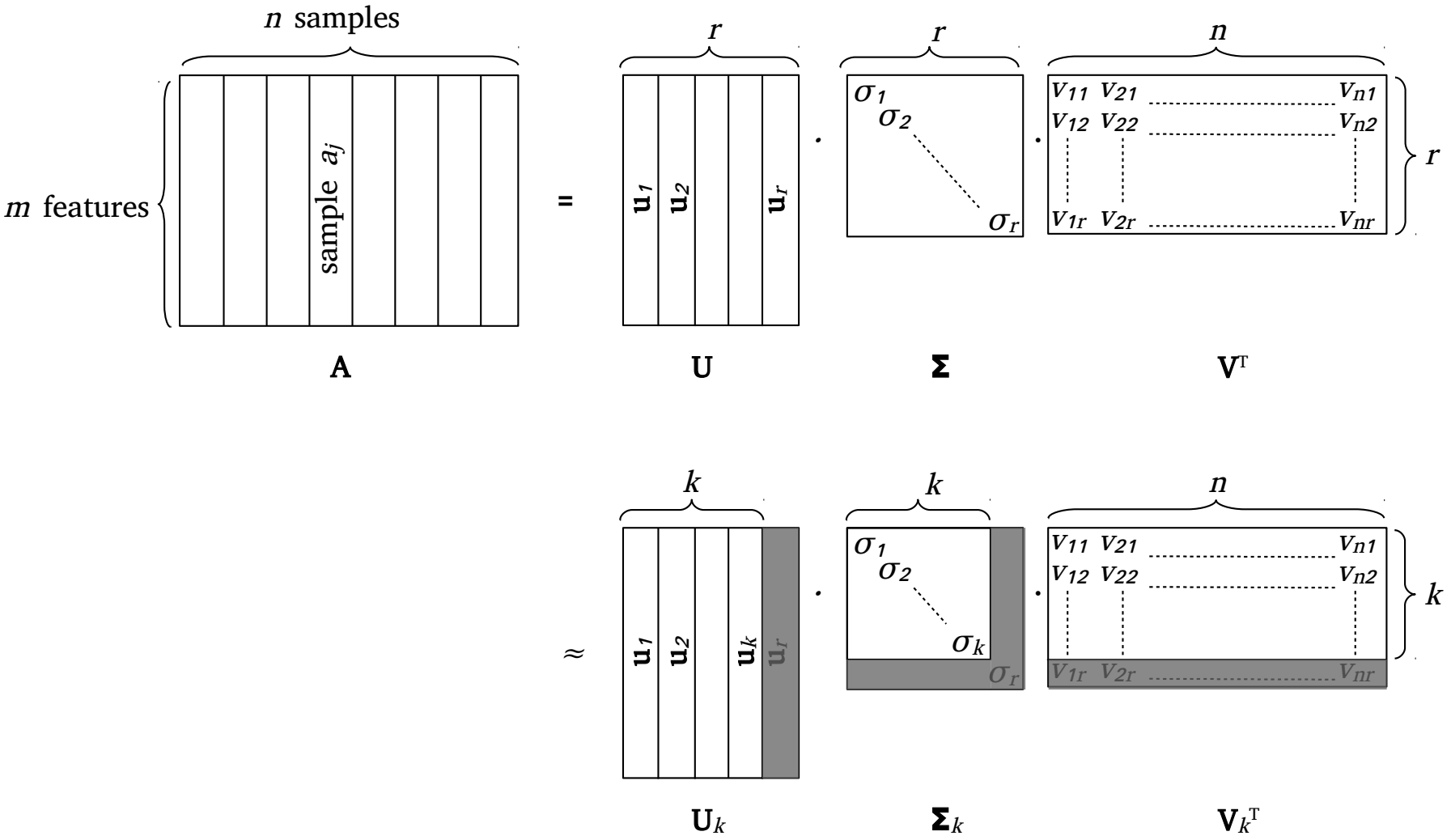
Singular Value Decomposition (SVD)

For any matrix **A**, there exist **U** and **V** such that

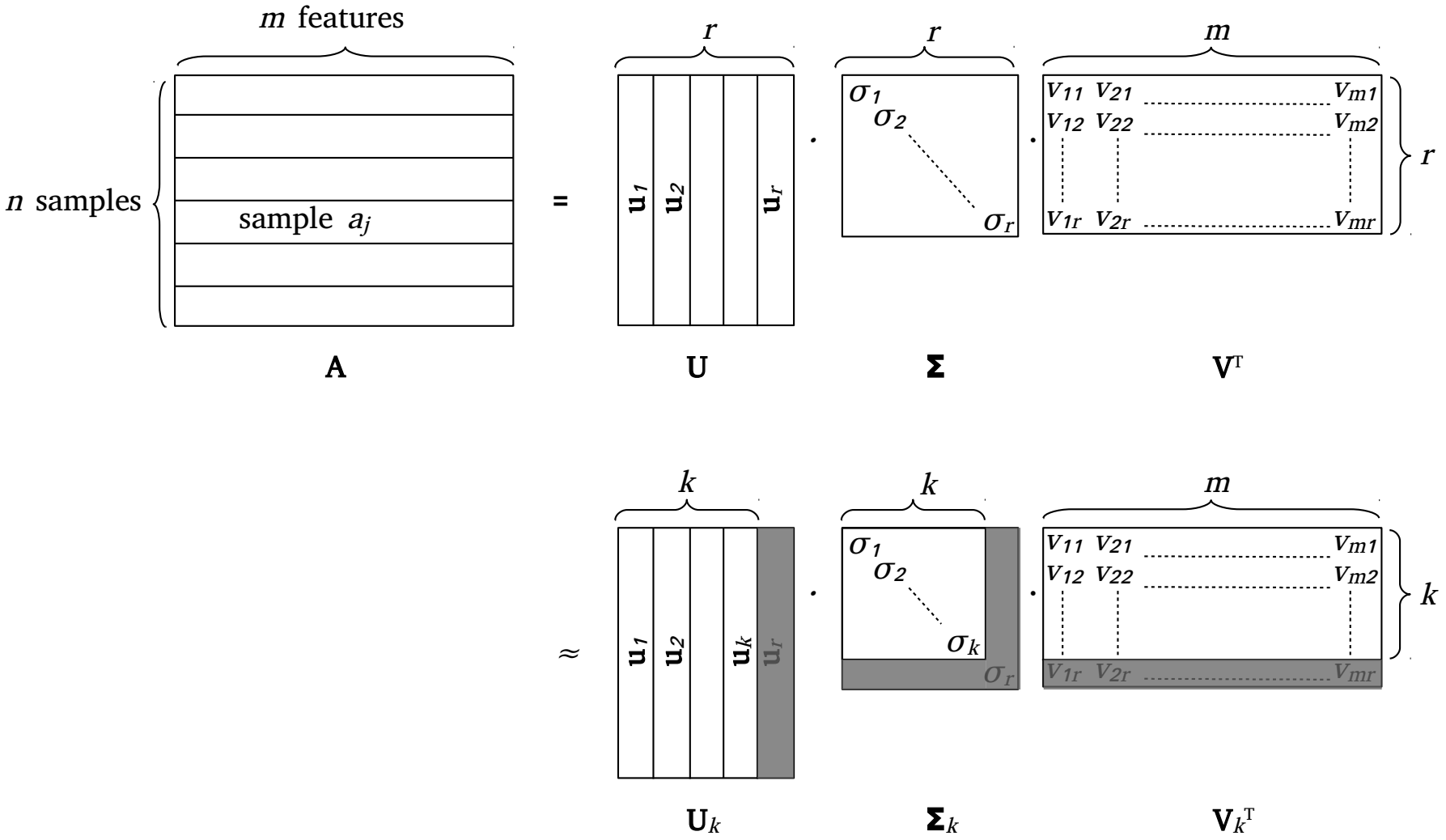


In data science, we can apply singular value decomposition in two ways.

Application 1 (as in the slides):



Application 2 (as in the code or as in this Wikipedia page):



Source: https://www.alimentipedia.it/come-si-fa-il-formaggio.html