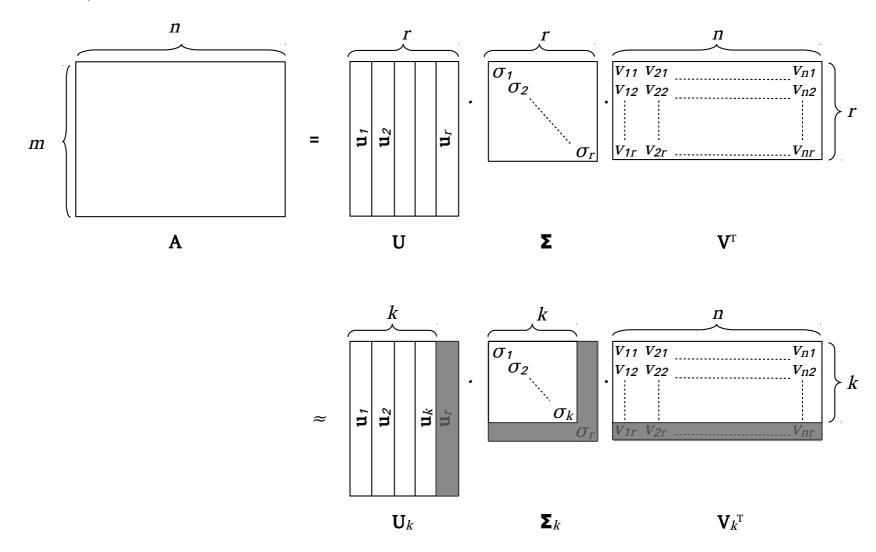
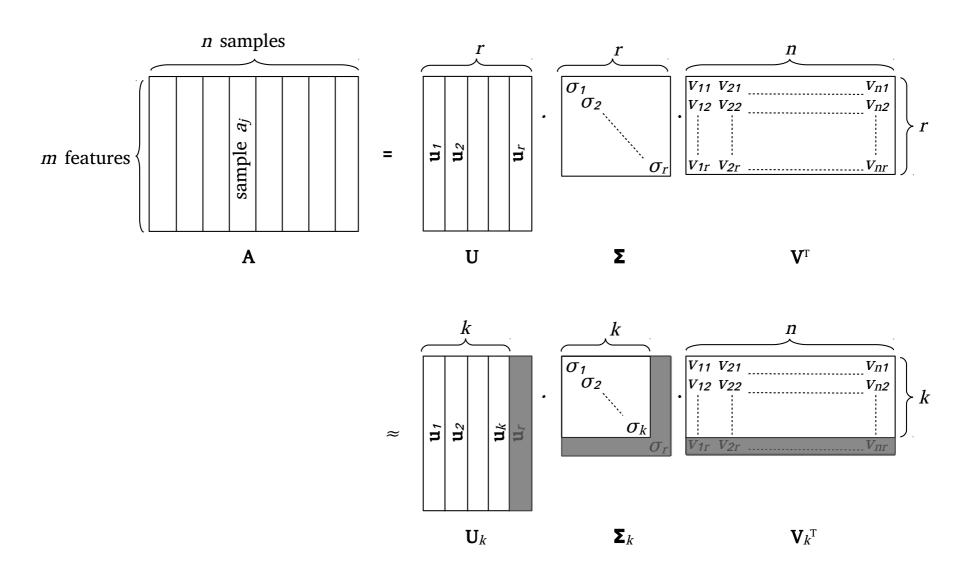
## Singular Value Decomposition (SVD)

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

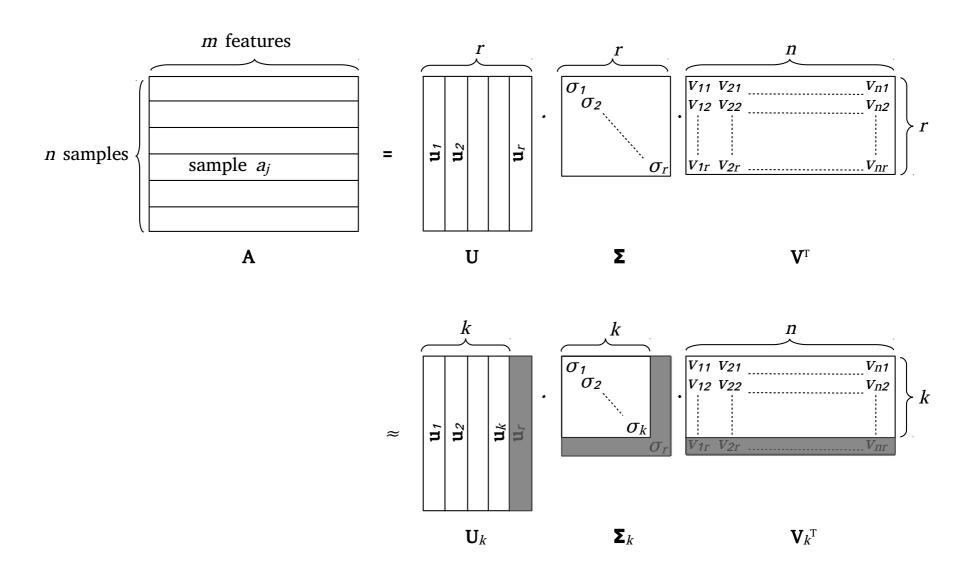


In data science, we can apply singular value decomposition in two ways.

Application 1 (as in the slides):



## Application 2 (as in the code):





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