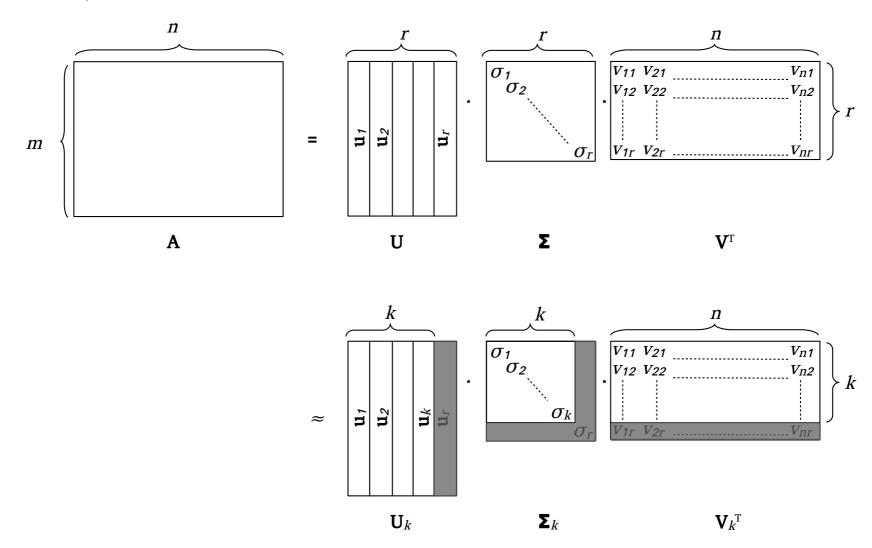
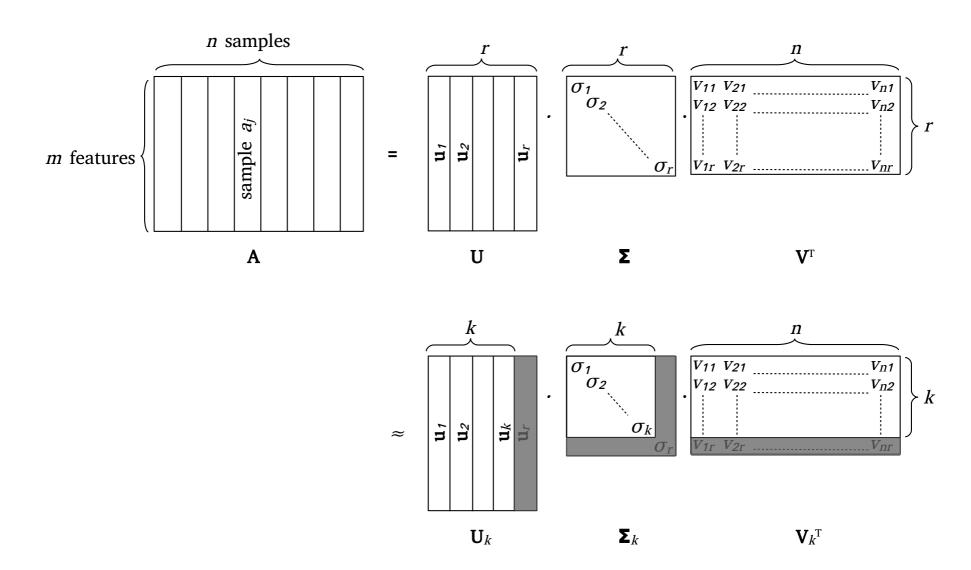
Singular Value Decomposition (SVD)

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

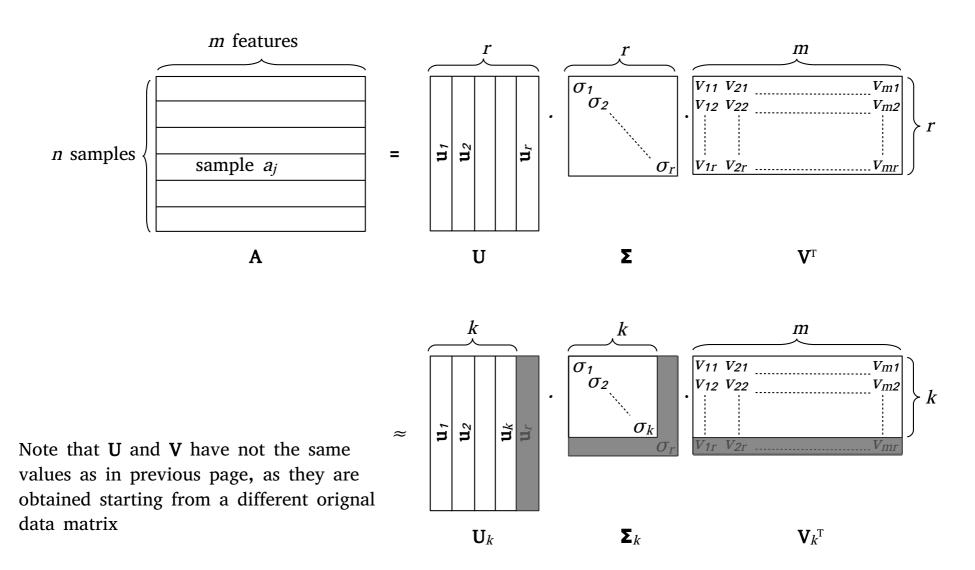


In data science, we can apply singular value decomposition in two ways.

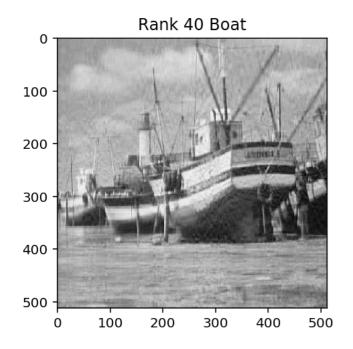
Application 1 (as in the slides):

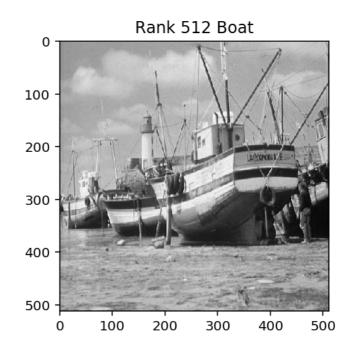


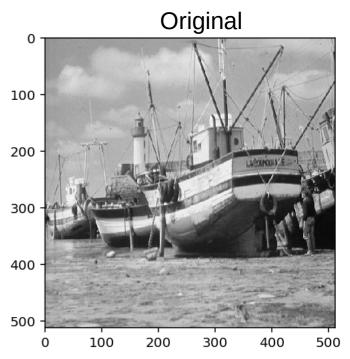
Application 2 (as in the code or as in this Wikipedia page):



Reduced









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