Stańczyk and Matrix Decompositions

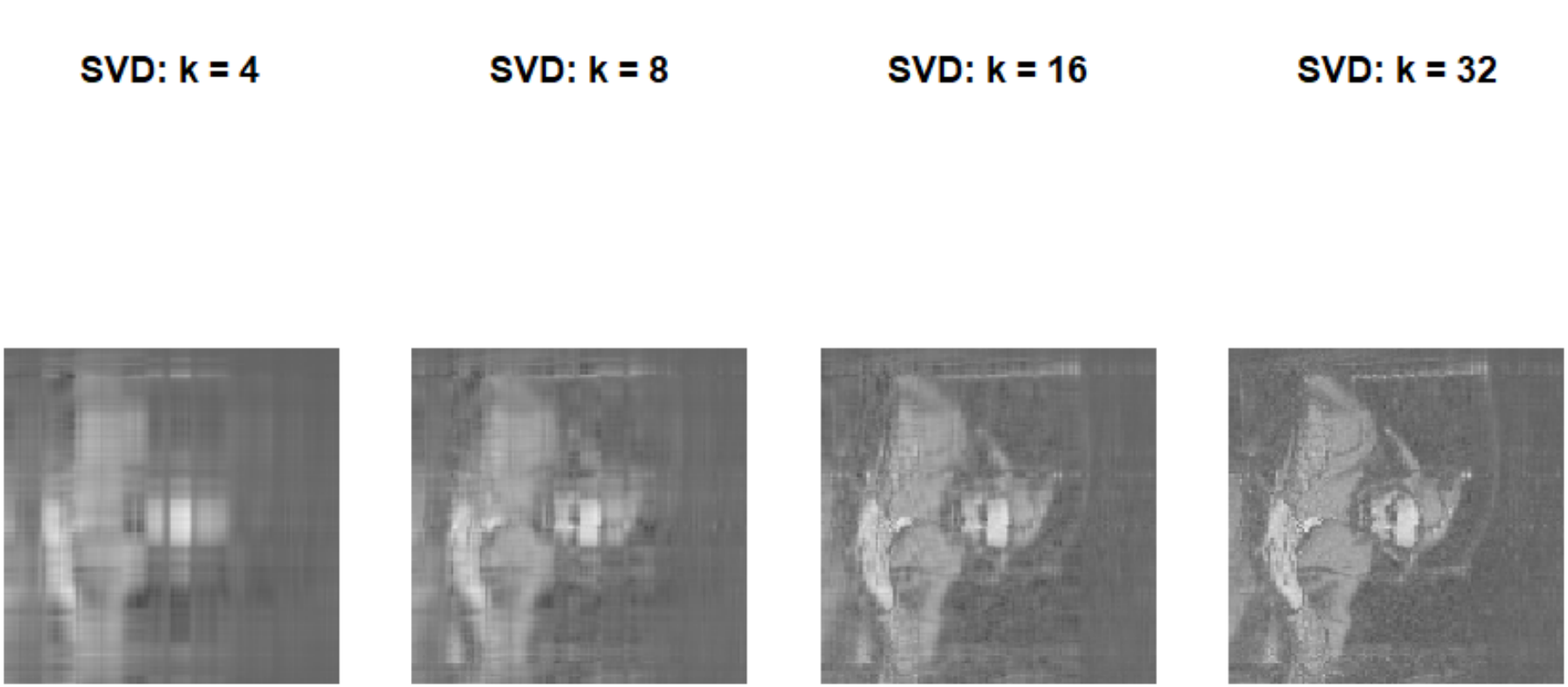
A Quick Taste of SVD, NMF, CUR

Course: Matrix Decompositions with R

Our Hero

Jan Matejko: *Stańczyk* (1862)

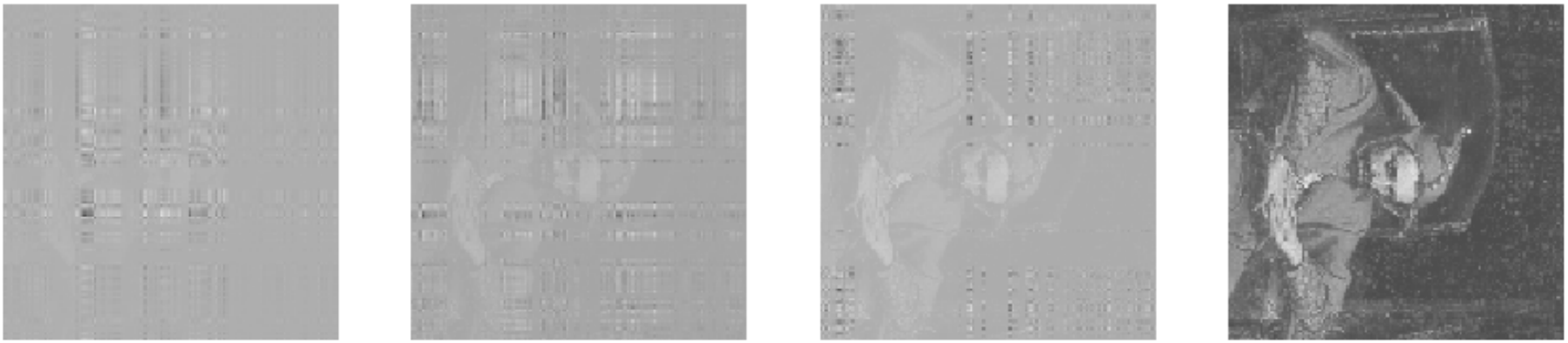
SVD — Singular Value Decomposition



"Mathematically optimal... but still a bit dreamy."

CUR — Matrix Approximation

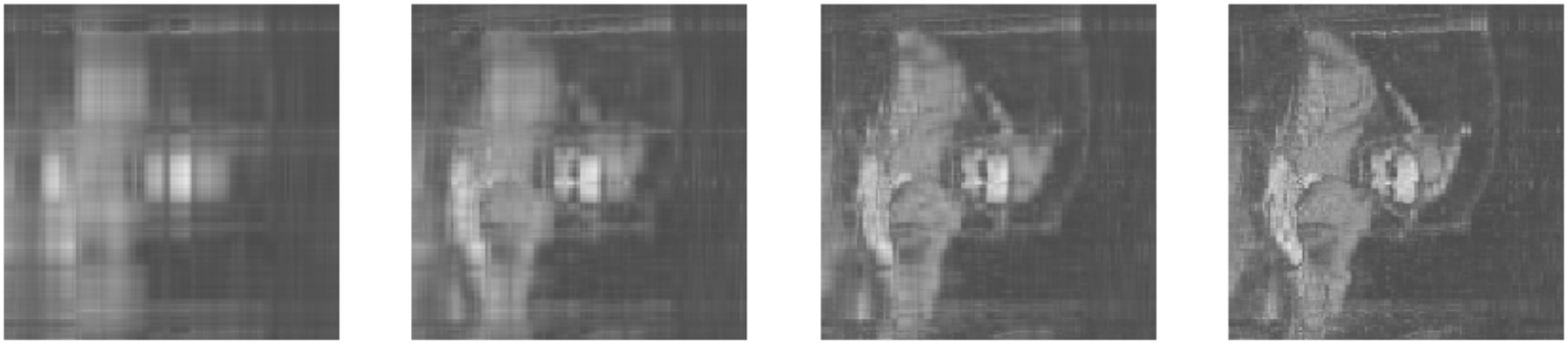
CUR: k = 4 **CUR: k = 8** **CUR: k = 16** **CUR: k = 32**



"Fast and frugal... Stańczyk on a budget."

NMF — Nonnegative Matrix Factorization

NMF: k = 4 **NMF: k = 8** **NMF: k = 16** **NMF: k = 32**



"Pieces of the puzzle... Stańczyk in parts."

Stay tuned...

Coming to your R console soon!
Starring: **SVD**, **NMF**, **CUR**
in the role of data approximations.
Grab your keyboard and join the show!