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

SVD: k = 4

SVD: k = 8

SVD: k = 16

SVD: k = 32









CUR — Matrix Approximation

CUR: k = 4

CUR: k = 8

CUR: k = 16

CUR: k = 32









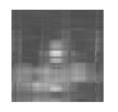
NMF — Nonnegative Matrix Factorization

NMF: k = 4

NMF: k = 8

NMF: k = 16

NMF: k = 32









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!