

Prerequisites review.
CS 803, Spring 2005, Jana Košecká.

In order to gain some feedback from you regarding some of the terms covered in class, please rank the familiarity with the following topics/terms on scale 1 to 5 (1 - never heard of it, 2 - heard of it, 3 - had it in class previously, but did not use it since, 4 - have used it previously in another context, 5 - can describe/define it at any point). Bring this (anonymous) survey to the next class.

- rank of a matrix
- range and null space of a matrix
- eigenvalues and eigenvectors
- singular value decomposition
- trace of the matrix
- pseudo-inverse of a matrix
- gradient, jacobian
- least-squares estimation
- covariance matrix
- convolution, filtering
- manifold
- familiarity with Matlab