

Il Prof. **Michael Greenacre** dell'Università Pompeu Fabra di Barcellona, terrà **giovedì 16 marzo alle ore 16 in Aula C3** un seminario dal titolo "**The Singular Value Decomposition**".

Cordiali saluti,
Massimo Giuliotti

The Singular Value Decomposition

The singular value decomposition (SVD) is one of the most useful results in linear algebra.

The SVD generalizes the eigenvalue-eigenvector decomposition to the case of rectangular matrices, and has many applications in statistics, data analysis and machine learning.

In this seminar I will give an introduction to the main result, which is quite simple, and then describe several applications to real data in different areas of research, from ecology to biochemistry to high-dimensional genomic research.

The seminar is aimed at students and researchers with a minimum knowledge of matrix-vector algebra.