

# Applications of the Vandermonde matrix in statistics

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## Abstract

The Vandermonde matrix has a long history. In statistics the matrix appears, for example, in the design of experiments and in multivariate statistical analysis. In particular, in multivariate statistical analysis the determinant of the Vandermonde matrix plays a key role through its determinant which is easily expressable. A few well known relations and some less well known recursive relations will be presented.

## Vandermonde matrix, Wishart matrix, recursive relations

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