

MULTIVARIATE REAL DENSITIES

Definition

A $multivariate\ density$ or $joint\ density$ is a function from n-dimensional real space to the real numbers which is nonnegative and and normalized. A real-valued function on n-dimensional real space is normalized if it integrates to 1.

Notation

 $f: \mathbf{R}^d \to \mathbf{R}$ with $f \geq 0$ and $\int f = 1$ is a density.

