

carlin package documentation

lebarrosdemoura

February 2025

1 Introduction

Statistics

		$\mathbb{P}\left[X\right]$	$\mathbb{P}\left(X\right)$
		$\mathbb{E}\left[X\mid Y\right]$	$\mathbb{E}\left(X\mid Y\right)$
		$\mathbb{Var}\left[X\mid Y\right]$	$\mathbb{Var}\left(X\mid Y\right)$
		$\mathbb{Cov}\left[X\mid Y\right]$	$\mathbb{Cov}\left(X\mid Y\right)$
		$\mathbb{Corr}\left(X\mid Y\right)$	$\mathbb{Corr}\left[X\mid Y\right]$
$\mathbb{Bias}\left[X\mid Y\right]$	$\mathbb{Bias}\left(X\mid Y\right)$	$\mathbb{Vies}\left[X\mid Y\right]$	$\mathbb{Vies}\left(X\mid Y\right)$
$\mathbb{MSE}\left[X\mid Y\right]$	$\mathbb{MSE}\left(X\mid Y\right)$	$\mathbb{EQM}\left[X\mid Y\right]$	$\mathbb{EQM}\left(X\mid Y\right)$

Derivatives

$\frac{\partial}{\partial x}g(x)$ $\frac{d^2}{dy^2}h(y)$

Coordinates

\bullet $M_{(2,3)}$ $M_{(\bullet,3)}$ $M_{(2,\bullet)}$
 $M_{2,3}$ $M_{\bullet,3}$ $M_{2,\bullet}$

Floor, ceil, indicator, independence, proof symbol & cancel symbol

$\lfloor x \rfloor$ $\lceil x \rceil$ $\mathbb{1}_A(x)$ $A \perp\!\!\!\perp B$ $\vdash 1+1=2$ \cancel{A} \cancel{A}