abaisero.sty

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February 17, 2020

1 Commands

Option [math]

Symbol	Command	Description
\mathbb{Z}	\setminus naturalset	the set of natural numbers
\mathbb{R}	$\backslash { t realset}$	the set of real numbers
sign	$\setminus \mathtt{sign}$	
$\operatorname{softmax}$	$\setminus \mathtt{softmax}$	
softmin	$\setminus \mathtt{softmin}$	

Option [linalg]

Symbol	Command	Description
diag	\diag	
rank	$\backslash \mathtt{rank}$	
tr	$ackslash exttt{trace}$	
col	\setminus colspace	
ker	νll space	Nullspace (a.k.a kernel) of a linear mapping
span	\setminus spanspace	
Т	\T	Transpose superscript
-1	\I	Inverse superscript
+	\PI	Pseudo-inverse superscript
_T	\IT	Inverse transpose superscript

Option [optim]

Symbol	Command	Description
argmax argmin *	\argmax \argmin \opt	Optimality superscript

Option [stats]

Symbol	Command	Description
\mathbb{C}	\Cov	Covariance
\mathbb{H}	$\setminus \mathtt{Ent}$	Entropy
$\mathbb E$	\Exp	Expectation
${\mathbb I}$	$\setminus \mathtt{Ind}$	indicator function
KL	$\backslash \mathtt{KL}$	KL-divergence
$\mathrm{D_{KL}}$	$\backslash \mathtt{DKL}$	KL-divergence (alternative)
\mathbb{I}	\MI	Mutual Information
\mathbb{V}	$ackslash exttt{Var}$	Variance

Option [dists]

Symbol	Command	Description
Categorical	\Categorical	Categorical
Dirichlet	\Dirichlet	Dirichlet
Normal	$\backslash \mathtt{Normal}$	Normal
Uniform	$\backslash \mathtt{Uniform}$	Uniform

Option [ml]

Symbol	Command	Description
${\cal D}$	$\backslash \mathtt{data}$	Data set
${\cal L}$	loss	Loss function
nll	\nl1	Neg-log-likelihood
MSE	$\backslash \mathtt{mse}$	Mean-squared-error

Option [rl]

Symbol	Command	Description
\mathcal{A}	\aset	Action set
${\cal B}$	bset	Belief set
${\cal H}$	\hset	History set
\mathcal{O}	ackslashoset	Observation set
${\cal R}$	$ackslash ext{rset}$	Reward set
${\cal S}$	ackslashsset	State set
D	$\backslash exttt{dfn}$	Dynamics function
O	$\setminus \mathtt{ofn}$	Observation function
R	$ackslash exttt{rfn}$	Reward function
${ m T}$	$\backslash exttt{tfn}$	Transition function