abaisero.sty

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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	$\setminus \mathtt{sign}$	
$\operatorname{softmax}$	$\setminus \mathtt{softmax}$	
$\operatorname{softmin}$	$\setminus \mathtt{softmin}$	

Option [linalg]

Symbol	Command	Description
diag	\diag	
rank	$\backslash \mathtt{rank}$	
tr	$ackslash ag{trace}$	
col	ackslashcolspace	
span	\setminus spanspace	
Т	\T	Transpose
-1	\I	Inverse
†	\PI	Pseudo-inverse
− T	\IT	Inverse transpose

Option [optim]

Symbol	Command	Description
argmax	$\setminus \texttt{argmax}$	
argmin	$\setminus \mathtt{argmin}$	

Option [stats]

Symbol	Command	Description
\mathbb{C}	\Cov	Covariance
\mathbb{H}	$\setminus \mathtt{Ent}$	Entropy
$\mathbb E$	$\setminus Exp$	Expectation
${\mathbb I}$	$\setminus \mathtt{Ind}$	indicator function
KL	\KL	KL-divergence
$\mathrm{D_{KL}}$	\DKL	KL-divergence (alternative)
${\rm I\hspace{1em}I}$	\MI	Mutual Information
\mathbb{V}	\Var	Variance

Option [dists]

Symbol	Command	Description
Categorical	$\backslash \texttt{Categorical}$	Categorical
Dirichlet	$ackslash exttt{Dirichlet}$	Dirichlet
Normal	$\setminus \mathtt{Normal}$	Normal
Uniform	Uniform	Uniform

Option [ml]

Symbol	Command	Description
\mathcal{D}	\data	Data set
${\cal L}$	loss	Loss function
$_{ m nll}$	\nl	Neg-log-likelihood
MSE	mse	Mean-squared-error

Option [rl]

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

1 RL symbols

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