Hellenic Complex Systems Laboratory

Intelligent Quality Control: A Software Tool for Exploring the Application of Convolutional Neural Networks to Quality Control Samples of Very Small Size

Technical Report XXIV

Supplement

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The trained convolutional neural networks as Wolfram Language objects

The files of the trained convolutional neural networks (CNN) as Wolfram Language objects

CNN	Wolfram Language Objects		
	Name	Files	
$N_{14}(x_1)$	“ncl1”	/WLO/NN1/ncl1/object.wl	/WLO/NN1/ncl1/put.wl
$N_1(x_1, x_2)$	“ncl2”	/WLO/NN1/ncl2/object.wl	/WLO/NN1/ncl2/put.wl
$N_1(x_1, x_2, x_3)$	“ncl3”	/WLO/NN1/ncl3/object.wl	/WLO/NN1/ncl3/put.wl
$N_1(x_1, x_2, x_3, x_4)$	“ncl4”	/WLO/NN1/ncl4/object.wl	/WLO/NN1/ncl4/put.wl
$N_2(x_1)$	“ncl1”	/WLO/NN2/ncl1/object.wl	/WLO/NN2/ncl1/put.wl
$N_2(x_1, x_2)$	“ncl2”	/WLO/NN2/ncl2/object.wl	/WLO/NN2/ncl2/put.wl
$N_2(x_1, x_2, x_3)$	“ncl3”	/WLO/NN2/ncl3/object.wl	/WLO/NN2/ncl3/put.wl
$N_2(x_1, x_2, x_3, x_4)$	“ncl4”	/WLO/NN2/ncl4/object.wl	/WLO/NN2/ncl4/put.wl
$N_3(x_1)$	“ncl1”	/WLO/NN3/ncl1/object.wl	/WLO/NN3/ncl1/put.wl
$N_3(x_1, x_2)$	“ncl2”	/WLO/NN3/ncl2/object.wl	/WLO/NN3/ncl2/put.wl
$N_3(x_1, x_2, x_3)$	“ncl3”	/WLO/NN3/ncl3/object.wl	/WLO/NN3/ncl3/put.wl
$N_3(x_1, x_2, x_3, x_4)$	“ncl4”	/WLO/NN3/ncl4/object.wl	/WLO/NN3/ncl4/put.wl
$N_4(x_1)$	“ncl1”	/WLO/NN4/ncl1/object.wl	/WLO/NN4/ncl1/put.wl
$N_4(x_1, x_2)$	“ncl2”	/WLO/NN4/ncl2/object.wl	/WLO/NN4/ncl2/put.wl
$N_4(x_1, x_2, x_3)$	“ncl3”	/WLO/NN4/ncl3/object.wl	/WLO/NN4/ncl3/put.wl
$N_4(x_1, x_2, x_3, x_4)$	“ncl4”	/WLO/NN4/ncl4/object.wl	/WLO/NN4/ncl4/put.wl
$N_6(x_1)$	“ncl1”	/WLO/NN6/ncl1/object.wl	/WLO/NN6/ncl1/put.wl
$N_6(x_1, x_2)$	“ncl2”	/WLO/NN6/ncl2/object.wl	/WLO/NN6/ncl2/put.wl
$N_6(x_1, x_2, x_3)$	“ncl3”	/WLO/NN6/ncl3/object.wl	/WLO/NN6/ncl3/put.wl
$N_6(x_1, x_2, x_3, x_4)$	“ncl4”	/WLO/NN6/ncl4/object.wl	/WLO/NN6/ncl4/put.wl
$N_8(x_1)$	“ncl1”	/WLO/NN8/ncl1/object.wl	/WLO/NN8/ncl1/put.wl
$N_8(x_1, x_2)$	“ncl2”	/WLO/NN8/ncl2/object.wl	/WLO/NN8/ncl2/put.wl
$N_8(x_1, x_2, x_3)$	“ncl3”	/WLO/NN8/ncl3/object.wl	/WLO/NN8/ncl3/put.wl
$N_8(x_1, x_2, x_3, x_4)$	“ncl4”	/WLO/NN8/ncl4/object.wl	/WLO/NN8/ncl4/put.wl
$N_{12}(x_1)$	“ncl1”	/WLO/NN12/ncl1/object.wl	/WLO/NN12/ncl1/put.wl
$N_{12}(x_1, x_2)$	“ncl2”	/WLO/NN12/ncl2/object.wl	/WLO/NN12/ncl2/put.wl
$N_{12}(x_1, x_2, x_3)$	“ncl3”	/WLO/NN12/ncl3/object.wl	/WLO/NN12/ncl3/put.wl
$N_{12}(x_1, x_2, x_3, x_4)$	“ncl4”	/WLO/NN12/ncl4/object.wl	/WLO/NN12/ncl4/put.wl
$N_{16}(x_1)$	“ncl1”	/WLO/NN16/ncl1/object.wl	/WLO/NN16/ncl1/put.wl
$N_{16}(x_1, x_2)$	“ncl2”	/WLO/NN16/ncl2/object.wl	/WLO/NN16/ncl2/put.wl
$N_{16}(x_1, x_2, x_3)$	“ncl3”	/WLO/NN16/ncl3/object.wl	/WLO/NN16/ncl3/put.wl
$N_{16}(x_1, x_2, x_3, x_4)$	“ncl4”	/WLO/NN16/ncl4/object.wl	/WLO/NN16/ncl4/put.wl

Availability

The above files are available at https://www.hcsl.com/Supplements/hcsltr24s.zip

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