Nlayer

Fully Connected Layer

Convolutional Layer

layer type $\quad$ = FCC $\quad$ = CNV

uint $\quad$ id = 0

1D Shape

uint len

3D shape

uint x

uint y

uint z

input layers [ ptr, ptr ]

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| weights | weight (Filters |
|---|---|
| 2D | are |
| matrix | array of 3D) |
| corresponding | $\therefore$ 4D vector |
| to stacked | required |
| inputs | |

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| Biases | |
|---|---|
| 1 D | 3D |
| (= shape of layer) | |

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float **Learning Rate**

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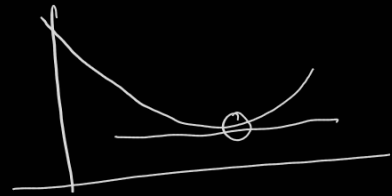int   activation _ function $=$   0  None
                                  1  linear
                                  2  ---

Separation _ functions

= error @ loss of training



int cached_ run_id

cached _ values

1D | 3D