







Data Augmentation
(Generate More Data)
Given (x, y) also include (F(x), y)
Weights Initialization (Section 8.4 D.) Textbook)
Wisjan NCO, 10-3) N: Normal Distribution
Xavier Initialization
$S_{j}^{(c)} = \sum_{i}^{(c)} (C_{i}^{(c)}) V_{i,j}^{(c)} $ $V_{i,j}^{(c)} V_{i,j}^{(c)} V_{i,j}^{(c)}$
$ \dot{c}=1 $
$Var(Sj^{(1)}) \approx 1$
TC D 1/10
If using Rell Wijcin ~ N(0, n)
Input Preprocessing
$D=\{(x_1,y_1),(x_2,y_2),\ldots,(x_n,y_n)\}$
Sample Mean
M = N $i=1$ $i=1$
Sample Yariance
$G(j) = \left(\frac{1}{N}\right) \left(\chi(j) - \chi(j)\right)$
$\hat{J} = 1, 2, 3, \dots, d$

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