	Linear Regression	Logistic Regression						
Model Type	Regression	Classification						
Expression	y = bo +b1>c1+bx2	$0 = \frac{1}{1 + e^{(b_0 + b_1 x_1 + \dots + b_k x_k)}}$						
Method of estimation of b's	Least Squares	Maximum Likelihood						
_	$z=\sum (y_i-\hat{y_i})^2$	log loss						
Binary:	A: 0 0x 1							
Multiclass; y; 0 or 1 or 2								
L. Company of the Com	<u>VR</u> : One Vs Rest	f of all						
Training y X, X2	0° Vs Rest	of 1st V3 Rest except of all except						
N ₂	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{cases} X_{K} \\ n \\ obs \end{cases} \begin{cases} y X_{1} X_{2} \cdots X_{K} \\ y \\ 0 \\ 0 \\ 0 \end{cases} \begin{cases} n_{2} \\ 0 \\ 0 \\ 0 \end{cases} \begin{cases} n_{2} \\ 0 \\ 0 \\ 0 \end{cases} \begin{cases} n_{2} \\ 0 \\ 0 \\ 0 \end{cases} \end{cases}$						
$\binom{n_3}{2}$ $\binom{2}{3}$ To	ital	$ \begin{array}{c c} & & & & & & & \\ & & & & & & \\ & & & & $						
n_4 $\begin{cases} 3 \\ 3 \end{cases}$	obs. Ito	ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا						
C	Testing XI X XI	1/2 /83 / 1/2 /83 / 1/2 /1/3 /1/3 / 1/2 /1/3 /1/3 / 0.8 0.9 0.6 0.7 / 0.8 0.9 0.6 0.7 /	red _					

 0.8	0,9	0.6	0.7	,
0.4	0.2	0-3	0-1	0

$$\frac{y}{0} = \frac{x_{1}}{s} = \frac{e^{s_{1}}}{e^{s_{1}} + e^{s_{2}} + e^{s_{3}}}$$