





*	Subject:
1	OP
1	model = Sequential ([Dense (units - 3 activation = sigmoid)),  Dense (units = 1, activation = sigmoid)
1	modes = segmential ( L Dense Lunits - 3 activation = sigmoid)
1	Dense (units = 1) activation = sigmoid
1	
10	The weight matrix ${f W}$ will be of shape $(5,3)$ :
1	[an an an - ]
1	$egin{bmatrix} w_{11} & w_{12} & w_{13} \ w_{21} & w_{22} & w_{23} \ \end{bmatrix}$
1	$\mathbf{W} = egin{array}{c ccc} w_{21} & w_{22} & w_{23} \ w_{31} & w_{32} & w_{33} \ w_{41} & w_{42} & w_{43} \ \end{array}$
	$\left \begin{array}{ccc}w_{41}&w_{42}&w_{43}\end{array}\right $
1	$\left\lfloor w_{51}  w_{52}  w_{53} \right\rfloor$
1	• Rows: Correspond to input features $x_1$ to $x_5$ .
1	
1	• Columns: Correspond to units $y_1, y_2, y_3$ .
10	Each element $w_{ij}$ in the matrix represents the weight associated with input feature $i$ (row) for unit $j$
*	(column). These weights determine how much influence each input feature has on each unit's
1	output.
1	output.
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