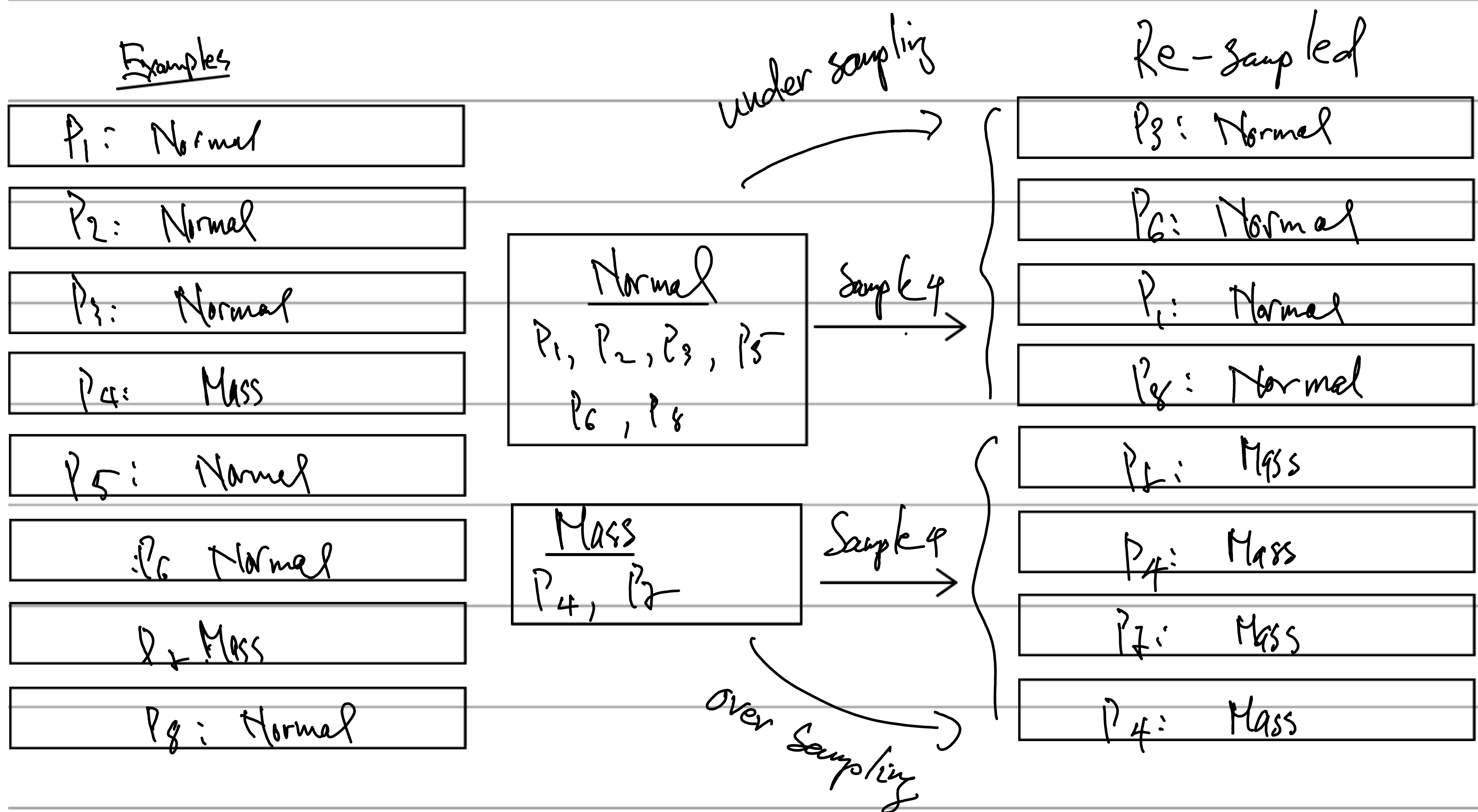


# Video: Resampling to achieve Balance class

## Examples



Re-sampled	Predicted Probabilities	Loss	
$P_3$ : Normal	0.5	0.3	Normal loss $0.3 \times 4 = 1.2$
$P_6$ : Normal	0.5	0.3	
$P_1$ : Normal	0.5	0.3	
$P_8$ : Normal	0.5	0.3	
$P_4$ : Mass	0.5	0.3	Mass loss $0.3 \times 4 = 1.2$
$P_4$ : Mass	0.5	0.3	
$P_7$ : Mass	0.5	0.3	
$P_4$ : Mass	0.5	0.3	

$$L(X, y) = \begin{cases} -\log P(y=1 | X) & \text{if } y=1 \\ -\log P(y=0 | X) & \text{if } y=0 \end{cases}$$