

CLASS No. OF IMAGES
 Total: 1921

crop.png
 crop.png

SUN2012
 SUN2012
 C
 C =
 C =
 $\frac{1}{\text{NumberOfFeatures}}$
 C
 C
 C

$$\begin{aligned}
 (1) \quad & \text{Precision} = \frac{\text{NumberOfTruePositives}}{\text{NumberOfTruePositives} + \text{NumberOfFalsePositives}} \\
 (2) \quad & \text{Recall} = \frac{\text{NumberOfTruePositives}}{\text{NumberOfTruePositives} + \text{NumberOfFalseNegatives}} \\
 & P(r) \\
 (3) \quad & \text{AveragePrecision} = \frac{\sum_{k=1}^n (P(k) \times \text{rel}(k))}{\text{NumberOfTruePositives} + \text{NumberOfFalseNegatives}}, \\
 & \frac{\sum_{k=1}^k P(k) \times \text{rel}(k)}{N} \\
 (4) \quad & \text{MeanAveragePrecision} = \frac{\sum_{n=1}^N \text{AveragePrecision}(n)}{N}
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & C \\
 & \theta_1 = \\
 & \theta_2 = \\
 & \theta_1 = \\
 & \theta_2 = \\
 & C = \\
 & \gamma = \\
 & \frac{1}{1921} = \\
 & 0.000521 \\
 & (C, \gamma) \\
 & (C, \gamma), \text{Folds} = \\
 & \theta_1 = \\
 & \theta_2 = \\
 & (C, \gamma), \text{Folds} = \\
 & \theta_1 = \\
 & \theta_2 = \\
 & \text{lassk} = 256k = 512k = 1024 \text{Prior} \\
 & (C, \gamma), \text{Folds} = \\
 & \theta_1 = \\
 & \theta_2 = \\
 & (C, \gamma) \\
 & \text{Folds} = \\
 & 10, \theta_1 =
 \end{aligned}$$

$$\begin{array}{c} 10 \\ (C, \gamma), Folds = \\ 10 \\ \theta_1 = \\ \theta_2 = \\ 10 \\ \text{lassk} = 256k = 512k = 1024\text{Prior} \\ (C, \gamma), Folds = \\ 50 \\ \theta_1 = \\ \theta_2 = \\ 10 \\ (C, \gamma), Folds = \\ 50 \\ \theta_1 = \\ \theta_2 = \\ 10 \\ \text{lassk} = 256k = 512k = 1024\text{Prior} \end{array}$$

$$\theta_1, \theta_2$$

	$(C, \gamma), Folds =$
	3
	$\theta_1 =$
	$\theta_2 =$
	9
lassk = 256k =	512k = 1024Prior
	$(C, \gamma), Folds =$
	10
	$\theta_1 =$
	$\theta_2 =$
	9
lassk = 256k =	512k = 1024Prior
	$(C, \gamma), Folds =$
	50
	$\theta_1 =$
	$\theta_2 =$
	9
lassk = 256k =	512k = 1024Prior
	$(C, \gamma), Folds =$
	3
	$\theta_1 =$
	$\theta_2 =$
	10
lassk = 256k =	512k = 1024Prior
	$(C, \gamma), Folds =$
	10
	$\theta_1 =$
	$\theta_2 =$
	10
lassk = 256k =	512k = 1024Prior
	$(C, \gamma), Folds =$
	50
	$\theta_1 =$
	$\theta_2 =$
	10
lassk = 256k =	512k = 1024Prior

$$Foldsk_{\theta_1, \theta_2}^{(C, \gamma)MAPMAP}$$

$$MAP =$$

$$1$$

$$MAP =$$

$$0.65$$

$$MAP =$$

$$0.48$$

$$??$$

$$??$$

$$??$$

$$??$$

$$(\dot{C}, \gamma)$$

$$??$$

$$(\dot{C}, \gamma)$$

$$Folds =$$

$$3$$

$$Classk = 256k = 512k = 1024$$

$$(\dot{C}, \gamma)$$

$$Folds =$$

$$10$$

$$Classk = 256k = 512k = 1024$$

$$(\dot{C}, \gamma)$$

$$Folds =$$

$$50$$

$$Classk = 256k = 512k = 1024$$

$$(\dot{C}, \gamma)$$

$$FoldsMAP$$