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CS478

K-Means Hw

Iteration
Results

$a \to 1 = 0$		$a \to 2 = 1.3$
$b \to 1 = 1.3$		$b \to 2 = 0$
$c \to 1 = .4$		$c \to 2 = .9$
$d \to 1 = 2.4$		$d \to 2 = 1.1$
$e \to 1 = .7$		$e \to 2 = .6$

0   Centroid 1 (.9, .8)   Centroid 2 (.2, .2)
      Values = {a, c}   Values = {b, d, e}

$a \to 1 = .2$		$a \to 2 = 1.47$
$b \to 1 = 1.1$		$b \to 2 = .17$
$c \to 1 = .2$		$c \to 2 = 1.07$
$d \to 1 = 2.2$		$d \to 2 = .93$
$e \to 1 = .5$		$e \to 2 = .77$

1   Centroid 1 (.8, .7)   Centroid 2 (.2, .03)
      Values = {a, c, e}   Values = {b, d}

$a \to 1 = .37$		$a \to 2 = 1.85$
$b \to 1 = .93$		$b \to 2 = .55$
$c \to 1 = .03$		$c \to 2 = 1.45$
$d \to 1 = 2.03$		$d \to 2 = 1.45$
$e \to 1 = .33$		$e \to 2 = 1.15$

2   Centroid 1 (.7, .63)   Centroid 2 (.05, -.2)
      Values = {a, c, e}   Values = {b, d}

Centroid 1 (.7, .63)   Centroid 2 (.05, -.2)