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1102117: (Missig - + AMERSE) -+ ...

( Contravery

$$E(||\omega_{1}||_{2}) = E(||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}) + \dots + ||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}) + \dots + ||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}) + \dots + ||E(||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}))$$

$$= E(||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}, 1 \dots + ||E(||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2})))$$

$$= E(||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}) + ||\omega_{1}||_{2} + ||(\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}))$$

$$= E(||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2})$$

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$$= E(||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2})$$

$$= E(||\omega_{1}||_{2}, 1 \dots + ||\omega_{1}||_{2}, 1 \dots + ||\omega$$

= 
$$\mathbb{E}\left(w_{1}^{2}\times_{1}^{2}\right)_{+}$$
  $\mathbb{E}\left(w_{1}^{2}\times_{2}^{2}\right)_{+}...$   $\mathbb{E}\left(w_{1}^{2}\times_{1}^{2}\right)_{+}...$   $\mathbb{E}\left(w_{1}^{2}\times_{2}^{2}\right)_{+}...$   $\mathbb{E}\left(w_{1}^{2}\times_{2}^{2}\right)_{+$ 

2. This readon method ( 200 6. 8. / the )

might be more computationally efficient as it only has two outcomes and might be better for storage/memory. The gaussian distribution is more complex involving exponential functions, which may be more computationally intensive.

Charlesing ellyonishen:

- () Thit: chance to classe points are initial \$ 51, ..., cat
- 2) Begents

  . Assign earl \$6 to the closest of to yet Charles.

  . Charge \$67.... Cle } to the new

  charge revs
- (Lunges

Gien a chafer (= 8 × 11 ... × 101 )

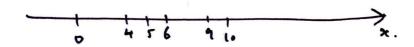
Bort 7 is:

[2 1c] Z > 1... Optime] Solution

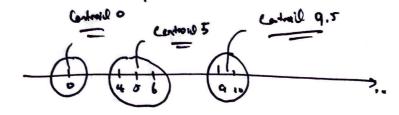
14 i 4 101

3 distinct Cluster contens

number: 5: 80, 4,5, 6, 9, 10 }



## The bost Chastering Solla is (3 chases):



Initialization of Controlli:

I Iteration 1:

Cluser 1: {0,4,5,6}

cluse 2: 294 no closer to 9

Clube 3: Eloy me closest to lo

New Carteril: Cluster 1: 0+4+5+1 2 15/4 2 3,75

(luster 2: 9/1 = 9

(msto-3: 10/1=1-

clink 1: { 0,4,5,64 7

Claser: 4 94

Clusma: 11.4

Flour Chiste:

e1= {014,5167

(Z: {97

Ontroil: 3.75

certail: 9 (h

: This is subsptime. Not the most efficient my

of Christering Set S. Optimul Solution is shown Earlier.