Sample

- cor int[]

- dimension: int

+ getCor(): int[]

+ distanceTo(Sample s): double

Cluster

- center: Sample

- includedSamples: Set<Sample>

+ getCenter(): Sample

+ add(Sample s): void

+ variance(): double

+ newCenter(): Sample

KMean

- threshold: static final double

- prevVariance: double

- variance: double

- K: int

- clusters: List<Cluster>

- samples: List<Sample>

- optimize(): void

- genereateNewClusters(): void

- terminationCondition(): boolean

- assignSamples(): void

- computeVariance(): double

- randomPickSamples(): void

+ getVariance(): double

- getResults(): List<Cluster>

+ writeToCSV(String filepath): void