

km::KMeansBase

```
# int k
# std::vector< Point
  > points
# std::vector< Point
  > centroids
# int number_of_iterations

+ KMeansBase(const int
  &k, const std::vector
  < Point > &points)
+ KMeansBase(const int &k)
+ virtual ~KMeansBase
  ()=default
+ virtual void run()=0
+ auto getPoints() const
  -> std::vector< Point >
+ auto getCentroids()
  const -> std::vector
  < Point >
+ auto getIterations
  () const -> int
```