

## 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
```