

```
1  static public Point barycenter(List<Point> cluster) {  
2      double numPoints = (double) cluster.size();  
3      Optional<Point> sum = cluster  
4          .stream()  
5          .reduce(Point::plus);  
6      return sum.get().scale(1 / numPoints);  
7  }
```

FIGURE 17.11 The barycenter() method.