```
Population< Tinput,
         Toutput >
   # data
   # dimension
   # n items

    random ms

   + Population()
   + ~Population()
   + fillWithRandom()
   + printPopulation()
   + getData()
   + getData()
   + setData()
   + swap()
PopulationBenchmark
    < Tinput, Toutput >
cost
- fitness

    total fitness

    min cost

- min cost i

    asc index

+ PopulationBenchmark()
+ ~PopulationBenchmark()
+ evaluateCost()
+ evaluateFitness()
+ getTotalFitness()
+ aetFitness()
+ getAscIndex()
+ calcCost1ltem()
+ sortIndexByCostAsc()
+ saveBest()
+ printCost()
+ printFitness()
+ printlndex()
+ setDataAndCost()
+ calculateMinCost()
+ getMinCost()
+ getMinCostData()
+ calcCostExt()
+ swap()
```