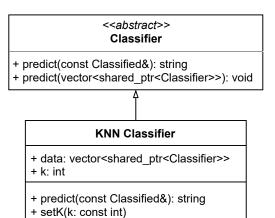
UML Diagram - Ex3 AP1

Made by Idan Turkenits & Tommy Zaft

Classified

- + double (*distMetric)(const Classified &, const
- properties: vector<double>
- label: string
- dist: distMetric
- + getProperties(): vector<double>
- + getLabel(): const string&
- + getDistMetric(): distMetric*
- + setDistMetric(distMetric*): void
- + setLabel(string)
- + deleteLabel()
- + getDistance(f: const Classified&): double



Algorithm

- + sortByDiffrence(vector<shared_ptr<T>>)
- + getKSmallest(vector<shared_ptr<T>> , int k):vector<shared_ptr<T>>

CheDistance

+ getDist(const Classified &, const Classified &): double

ManDistance

+ getDist(const Classified &, const Classified &): double

EucDistance

+ getDist(const Classified &, const Classified &): double

Reader

- numOfProperties: int
- inputPath: string
- distMetric: Classified::distMetric
- initNumOfProperties(firstLine: string): void
- parseLine(line: string&): shared_ptr<Classified>
- + setInputPath(inputPath: string): void
- + read(vector<shared ptr<Classifier>>&): void
- + read(vector<shared_ptr<Classifier>>&, input: string): void
- + toString(): string
- + fileToString(const string): string
- + getLabelsString(vector<shared_ptr<Classifier>>): string

Writer

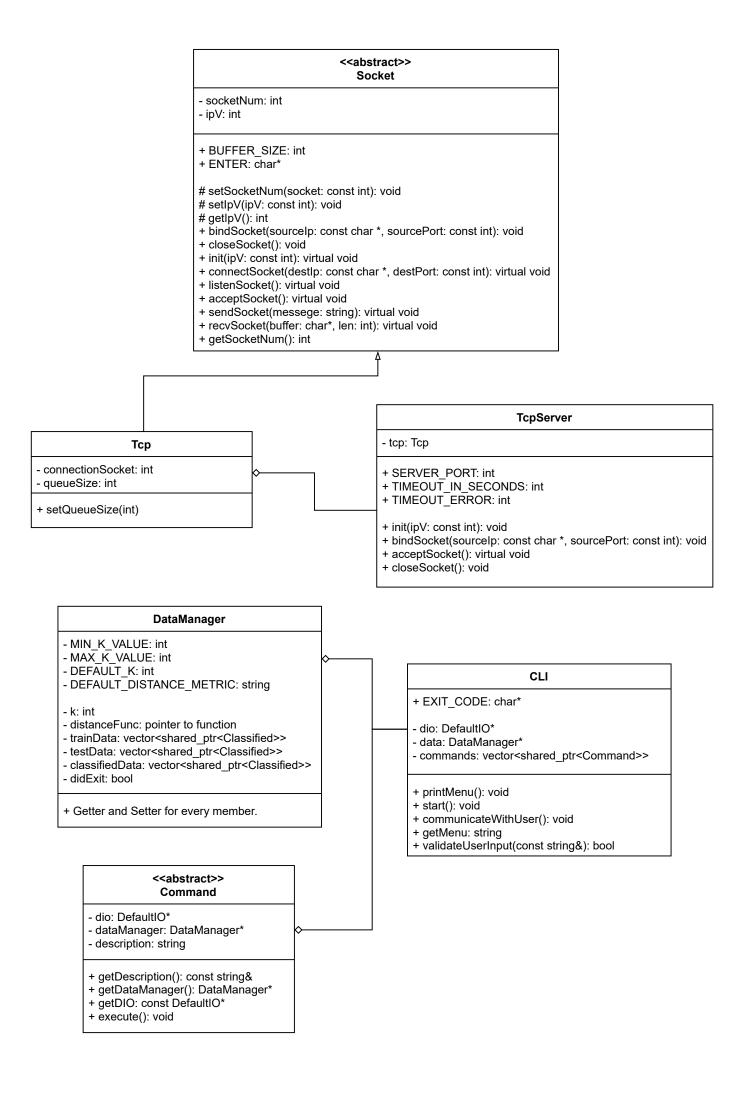
- + outputPath: string
- + setOutputPath(path: string)
- + write(vector<shared ptr<Classified>>)
- + write(const string): void

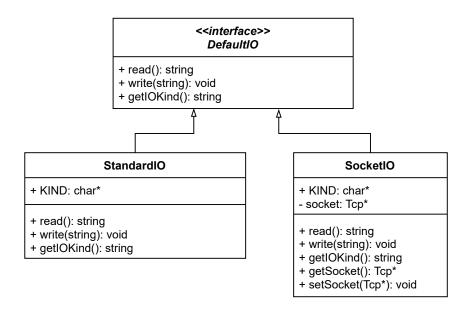
InputValidator

- + isDouble(const string&): bool
- + isInt(const string&): bool

StringFunctions

- + split(strToSplit: const string&, delim: const string&): vector<string>
- + replaceChar(str: const string&, old: char, new: char): string
- + removeChar(str: const string&, old: char): string





Client + main(): int

Server

- + main(): int + handleClient(socket: int, sockets: vector<int>*): void

Packages

