

database

## Column

-name: String-type: String

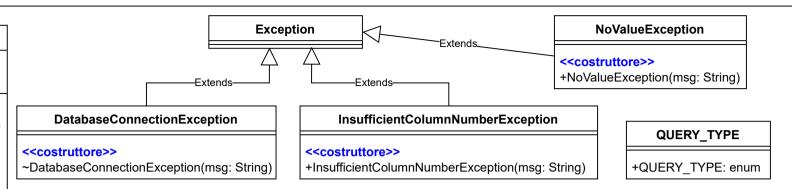
## <<costruttore>>

~Column(name: String, type: String)

### <<accesso>>

+getColumnName(): String

+isNumber(): boolean +toString(): String



#### **DbAccess**

-DBMS: String -SERVER: String

-PORT: int

-DATABASE: String -USER\_ID: String -PASSWORD: String -conn: Connection

### <<costruttore>>

+DbAccess()

### <<accesso>>

+getConnection(): Connection

+closeConnection()

#### **TableData**

-db: DbAccess -table: String

-tSchema: TableSchema -transSet: List<Example>

-target: List

### <<costruttore>>

+TableData(db: DbAccess, tSchema: TableSchema)

## <<accesso>>

-init()

+getExamples(): List<Example>

+getTargetValues(): List

+getAggregateColumnValue(column: Column, aggregate: QUERY\_TYPE): Double

#### **TableSchema**

-tableSchema: List<Column>

-target: Column -tableName: String

### <<costruttore>>

+TableSchema(tableName: String, db: DbAccess)

### <<accesso>>

+target(): Column

~getNumberofAttributes(): int

~getTableName(): String

+iterator(): Iterator<Column>

-tableExists(db: DbAccess, tableName: String): boolean

example

## Example

-example: ArrayList<Object>

# <<costruttore>>

+Example(size: int)

## <<accesso>>

+set(o: Object, index: int)

+get(index: int): Object

+toString(): String +swap(e: Example)

+distance(e: Example): double

# RuntimeException



# ExampleSizeException

# <<costruttore>>

+ExampleSizeException()

+ExampleSizeException(msg: String)

## mining

## KNN

~data: Data

## <<costruttore>>

+KNN(trainingSet: Data)

<accesso>> +predict(e: Example, k: int): Double

+predict(): Double

+salva(fileName: String)

+carica(fileName: String): KNN

# utility

## Keyboard

- -printErrors: boolean
- -errorCount: int
- -current\_token: String
- -reader: StringTokenizer
- -in: BufferedReader
- <<accesso>>
- +getErrorCount(): int
- +resetErrorCount(count: int)
- +getPrintErrors(): boolean
- +setPrintErrors(flag: boolean)
- -error(str: String)
- -getNextToken(): String
- -getNextToken(skip: boolean): String
- -getNextInputToken(skip: boolean): String
- +endOfLine(): boolean
- +readString(): String
- +readWord(): String
- +readBoolean(): boolean
- +readChar(): char
- +readInt(): int
- +readLong(): long
- +readFloat(): float
- +readDouble(): double