My Project

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Chapter 1

A very tiny simple CSV file reader

Not for a professional use, but for just visualize, manipulate and print your comma separated data.

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

CSVFile< T > 5
CSVRW< T > 6

Chapter 3

Class Documentation

3.1 CSVFile< T > Class Template Reference

`#include <CSVFile.h>`

Public Member Functions

- **CSVFile** (std::vector< std::string > header, T **data, int rows, int cols)
- void **head** (int heads=5)
- std::vector< std::string > **getHeader** ()
- std::vector< std::vector< T > > **getData** ()
- void **appendToHeader** (std::string element)
- void **appendRowToData** (std::vector< T > row)
- int **getDataRows** ()
- int **getDataCols** ()

3.1.1 Detailed Description

template<class T>
class CSVFile< T >

This is CSVFile class, use this calss for manage or create your CSV file. This class has two attributes:

- header (vector<string>) : Usually a CSV File contains an header for Columns Names
- data (vector<vector<T>>): The data (numerical) contained in the file.

(i) Constructor: No params -> Creates empty CSVFile Object (ii) Constructor Params:

- vector<string> header -> if you want to build CSVFile object starting from aleady existing data
- T** data -> if you have a matrix of numerical data

Methods:

- appendToHeader -> Append element to header (kept private)
- appendRowToData-> Append a vector of values to data matrix (kept private)

— Jacopo Vitale MSc —

The documentation for this class was generated from the following file:

- CSVFile.h

3.2 CSVRW< T > Class Template Reference

Public Member Functions

- void **read_file** (std::string filepath, CSVFile< T > *file, bool header=true, char delim=',')
- void **write_file** (CSVFile< T > *file, char delim=',')

Protected Member Functions

- std::vector< T > **row** (std::string line, char delimiter)

The documentation for this class was generated from the following file:

- CSVReader.h

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