

read_kitronyx_csv

Collection of sample code and source code in various programming languages for aggregating data from Snapshot and Log folders' converted CSV files using Kitornyx products

FolderTree

```
read_kitronyx_csv
|   README.md
|   README.pdf
|
+---res
|       MatLABSampleResult.png
|
+---sample
|   |   main.m
|   |   read_converted_logfile_1D_data.m
|   |   read_snapshot_1d_data.m
|   |
|   +---SampleSnapshotData
|   |       20240227T170929_AdcData-1d.csv
|   |       20240227T170929_AdcData-2d.csv
|   |       20240227T170929_ForceData-1d.csv
|   |       20240227T170929_ForceData-2d.csv
|   |       20240227T170929_snapshot-frame.jpg
|   |       20240227T170929_snapshot-real_time_analyzer.jpg
|   |
|   \---Sample_ConvertLogFilePage 01
|           20240227T170929_AdcData-1d.csv
|
\---src
        read_converted_logfile_1D_data.m
        read_snapshot_1d_data.m
```

MathLAB

Version: R2023b Update 7 (23.2.0.2515942) 64bit January 30, 2024

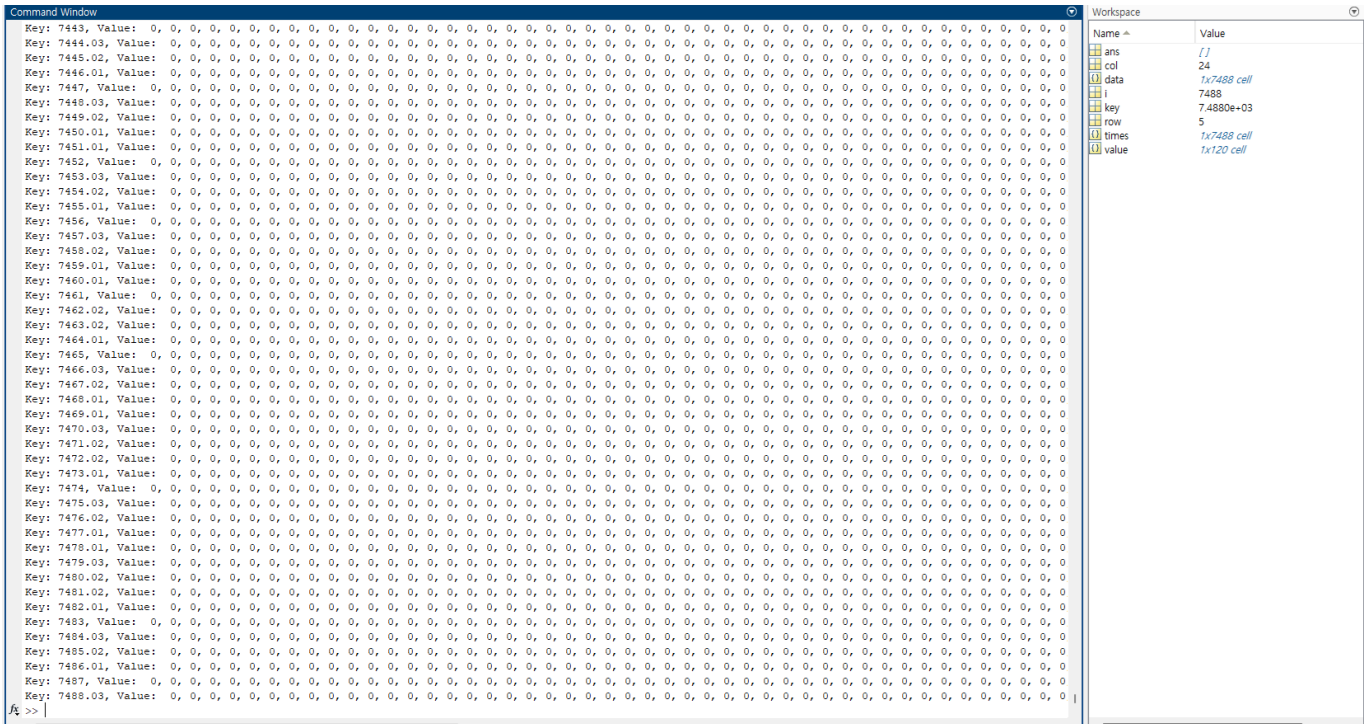
Code Description

```
ReadSnapshot1DimensionData.m
- MATLAB file containing a function to read snapshot 1D files
- Returns [row, col, data] when given a 1D CSV path as a parameter.
- row: ROW - number of columns
```

- col: COL - number of rows
- data: Cell array data (size ROW*COL)

ReadConvertLogFile1DimensionData.m

- MATLAB file containing a function to read log 1D files
- Returns [row, col, times, data] when given a 1D CSV path as a parameter.
- row: ROW - number of columns
- col: COL - number of rows
- times: Cell array - Time values
- data_dict: Cell array data (size ROW*COL)



The screenshot shows the MATLAB Command Window and Workspace. The Command Window displays the output of the function `ReadConvertLogFile1DimensionData.m`, which returns a list of key-value pairs. The keys are numerical values (e.g., 7443, 7444.03, 7445.02, etc.), and the values are mostly zeros, indicating a sparse dataset. The Workspace shows the variables created by the function: `ans` (empty array), `col` (24), `data` (1x7488 cell), `i` (7488), `key` (74880e+03), `row` (5), `times` (1x7488 cell), and `value` (1x120 cell).