

# klib2-ReadKitronyxCsv

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GitHub repository for reading Kitronyx snapshot files and log files

## FolderTree

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```
read_kitronyx_csv
|   README.md
|   README.pdf
|
+---res
|   PythonSampleResult.png
|
+---sample
|   |   main.py
|   |   ReadKitronyxCsv.py
|   |
|   +---converted_log_data
|   |   20240311T142511_AdcData-1d.csv
|   |   20240311T142511_AdcData-2d.csv
|   |   20240311T142511_ForceData-1d.csv
|   |   20240311T142511_ForceData-2d.csv
|   |
|   \---snapshot_data
|       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
|
\---src
    ReadKitronyxCsv.py
```

## Python

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Program tools : Vs Code (Vesion 1.87.1)

Vs code Python Version: v2024.2.1

## Code Description

```
ReadKitronyxCsv.py
- .Collection of functions to read Kitronyx snapshot and log CSV files

def ReadSnapshot1DimensionData(_path):
```

- ```
def ReadConvertedLogFile1DimensionData(_path):
- Function to read log 1D files
- Takes a 1D CSV path as a parameter and returns [row, col, data_dict]
- row: ROW - number of columns
- col: COL - number of rows
- data_dict: Dictionary format data
    - keys: Time values
    - values: Matrix data of size ROW*COL
```

[illegible]