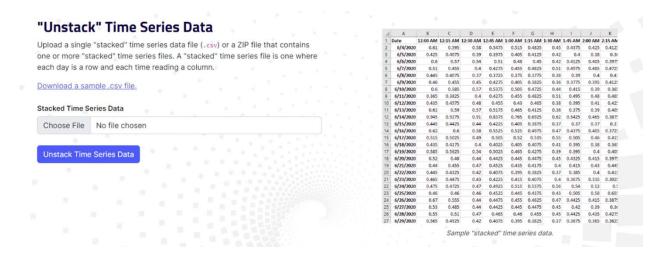# Time Series Unstacker

The Time Series Unstacker is a robust tool that efficiently transforms and manipulates time series data. This feature aids in better understanding, organizing, and visualizing data.

1. How to Use

Prepare your time series data in a 'stacked' format as illustrated in the image below. In such a file, the first column should list the dates, and each subsequent column should represent a specific time interval, with the corresponding data values. You can upload your time series data in this 'stacked' format, contained within a CSV or ZIP file.

	A	B	C	D	E	F	G	H	I	J	K
1	Date	12:00 AM	12:15 AM	12:30 AM	12:45 AM	1:00 AM	1:15 AM	1:30 AM	1:45 AM	2:00 AM	2:15 AM
2	6/4/2020	0.61	0.595	0.58	0.5475	0.515	0.4825	0.45	0.4375	0.425	0.4125
3	6/5/2020	0.425	0.4075	0.39	0.3975	0.405	0.4125	0.42	0.4	0.38	0.36
4	6/6/2020	0.6	0.57	0.54	0.51	0.48	0.45	0.42	0.4125	0.405	0.3975
5	6/7/2020	0.51	0.455	0.4	0.4275	0.455	0.4825	0.51	0.4975	0.485	0.4725
6	6/8/2020	0.445	0.4075	0.37	0.3725	0.375	0.3775	0.38	0.39	0.4	0.41
7	6/9/2020	0.46	0.455	0.45	0.4275	0.405	0.3825	0.36	0.3775	0.395	0.4125
8	6/10/2020	0.6	0.585	0.57	0.5375	0.505	0.4725	0.44	0.415	0.39	0.365
9	6/11/2020	0.365	0.3825	0.4	0.4275	0.455	0.4825	0.51	0.495	0.48	0.465
10	6/12/2020	0.435	0.4575	0.48	0.455	0.43	0.405	0.38	0.395	0.41	0.425

Upload your file by clicking 'Choose File.' Xendee accepts CSV or ZIP formats. A sample file is available for download to test the conversion process. After uploading a file, click 'Unstack Time Series Data'. The tool will convert and download the file in a ZIP folder automatically.

"Unstack" Time Series Data

Upload a single "stacked" time series data file (.csv) or a ZIP file that contains one or more "stacked" time series files. A "stacked" time series file is one where each day is a row and each time reading a column.

Download a sample .csv file.

Stacked Time Series Data

Choose File | No file chosen

[Unstack Time Series Data]

Sample "stacked" time series data.

The converted file will display the data in a single column, with the number of rows matching the interval time of the uploaded file.

	A	B
1	0.61	
2	0.595	
3	0.58	
4	0.5475	
5	0.515	
6	0.4825	
7	0.45	
8	0.4375	
9	0.425	
10	0.4125	
11	0.4	
12	0.4125	