## **Time Series Unstacker**

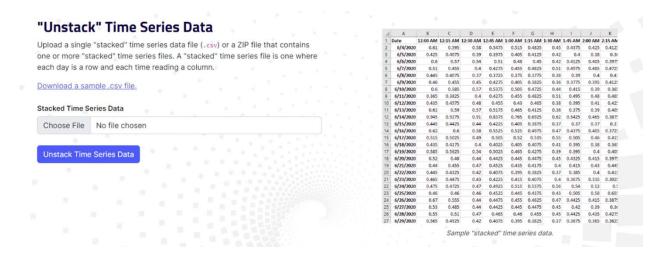
The Time Series Unstacker is a robust tool that efficiently transforms and manipulates time series data. This feature aids in better understanding, organizing, and visualizing data.

## 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.

1	A	В	С	D	Е	F	G	Н	T	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 AN	
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	0.43	
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.



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

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1/2005	8.64	9,595	9.58	8,5470	9.745	5,4625	8.45	6405	8.425	6.465	0.4	0.4125	EAS	0.4175	0.45	8.42	0.29	1.26	0.30	3,1425	0.255	9,36%	9.30	3,3525	0.345	4.3275	9.35	
V2006	9,425	8,46%	5.29	6.3875	8,405	6.400	6.42	5.4	6.26	8.36	0.34	0.815	0.37	9,365	0.4	8,395	0.29	ANS	0.80	0.4025	9,40	0.4475	8.47	1.4525	0.465	8,4175	6.4	6.3
V2000	6.6	0.57	534	0.34	5.48	0.40	6.42	6.400	8.495	6.2915	6.29	0.805	6.365	0.805	0.20	0.865	0.80	0.865	9.29	9.8625	03.0	9,36%	8.86	0.25	8.34	0.33	8.12	8.0
1/2020	8.34	5.60	6.4	6.6270	8.600	8.460	8.30	0.0935	8.485	6.6703	0.86	8,413	0.60	3.80	0.86	0.805	630	0.815	9.81	8.00	8.37	6.01	BAL	8.87%	5,80	8.1125	1.21	8.8
1/2000	5.801	1.409	8.17	8.1720	8.17%	8.1750	6.00	A.Bi	54	8.65	0.43	B-BUS	6.00	0,8476	0.30	0.3475	6.30	0.850	0.40	5.4125	0.420	8.42%	8.61	8.4125	0.338	6.17%	5.14	- 0
/2526	5.44	1.00	5.48	6.4279	5.00	6.900	5.00	6.475	6.00	0.600	6.86	6.875	1.05	0.4079	640	6365	6.379	ARGA	531	LIN	5.34	1.10	5.01	6.34	6.11	6.86	- KK	10
=	5.90	8.1671	0.6		1400		6.50	0.410	- 10		6.00			0.675	0.60		0.361		9.77	4210	6305	1.000	0.55	0.07	8.56	0.00	8.56	-20
=	3.60	6.4575	140	EA279	5.43	6.4625	6.76	0.95	5.60	0405	- 146	0.8625 8.61	6.30	8.15	0.00	0.805	0.30	0.80%	0.77	1.95	9.17	4.95	4.11	6,355	5.35	6.363	8.50	-52
=	840	0.55	6.12		5.40	640	6.06	0.395	6.00	0.43	640	0.4025	1.00	0.3625	0.00	4.76	0.30	9,9125	0.35		9.37	6.5%	9.35	8.3725	0.175	4,17%	8.50	-81
=	9.565	63075	120	1.525	1.70	6.600	6.62	6365	5.465	6365	0.31	0.3275	636	0.00	0.8	0.805	6.385	0.85%	0.27	6.10	9.35	638	9.71	8.105	9115	6.3675	8.38	-
=	9,545	1.405	5.44	5.420	1.405	1305	637	9.17	637	9,17	637	63675	636	0,005	0.86	0,000	636	0.605	0.60	1.6	9.55	6.49	8.74	5.4675	9.415	6.3625	1.36	=8
_	147	14	5.58	6.1520	8,525	5.4675	647	6405	1.405	6,3725	6.24	0.3675	5.305	0.805	0.81	0.865	630	9,8625	44	1.40	241	5.65	1.62	1.265	8.17	436	132	-
_	9353	1.160	5.65	6.90	1.53	636	4.00	0.305	1.00	0.60	0.87	5.5	0.00	1.45	0.65	0.875	5.60	9,655	0.40	3,4125	0.600	141.5	141	1.00	8.05	1.00	6.00	-
	5.60	1.000	- 14	5.4605	140	1.00	6.00	0.80	- 63	0.80	5.0	SAID	5.00	0.800	0.60	3.613	0.61	5.655	14	5.00	1.00	6.34	1.00	1.00	5.15	5.00	1.00	-
_	2100	8.3673	***	8.7670	5.00	8.45%	1.0	0.685	- 04	0.60	5.61	-	8.000	0.860	0.00	410	2.61	1.00	234	2112	0.60	0.400	4.0	1.00	14	6.170	5.10	20
_	630	0.00	144	5.6679	2.400	1.000	1.0	0.000	8.00	1.000	0.00	9.17	0.00	8.33	0.00	9.10	0.00	8.67	4.00	5.100	2.00	5.100	84	0.000	0.00	8.1939	1.00	ж.
_	144	1.00	5.42	6.4525	5.410	14070	0.6	5.605	640	0.403	0.00	0.400	1.40	0.1779	6.39	9,309	0.41	1.00	540	5463	0.670	5.4175	140	5.00	8.43	5.408	14	-2
-	5405	6.4329	1.42	E-8879	4.00	8.3676	4.32	AWN	0.4	0.400	0.00	840	0.10	8.32	AW	5.56	AR	138	0.30	8.17%	0.365	A3529	5.34	8.3479	5.345	4.3429	8.33	- 10
-	0.60	5.46%	6.63	8.4225	6.615	0.4675	64	6.5625	6.335	6.5025	6.27	0.00	0.56	9.175	0.0	6.38	ONT	6.35	0.35	8.565	0.36	8.575	4.11	631	6.15	0.30	6.50	100
-	9.475	8.4725	8.42	6.4500	8.213	4.50%	6.56	5.56	6.32	4.5	0.40	9.47	0.40	8.45	0.66	6405	0.625	04075	0.40	6.35	9.37	6.35	4.33	8.5670	9.365	6.3621	6.6	
-	5.45	0.46	8.46	6.4525	8.445	6.40%	6.40	0.505	6.56	0.655	0.79	8.62	043	8.55	0.40	0.4775	6.40	9.4525	0.46	9.4525	0.625	0.4179	9.41	8.386	8.36	4.345	8.25	- 3
-	142	8.505	5.44	5,405	8.455	8.4625	6.40	6.4425	8.415	6.3675	0.36	9.39	0.4	8.42	0.44	9.405	0.37	8,125	4.1	0.3275	0.805	9,3525	9.41	8.3975	0.365	6.5425	8.12	10
_	4.59	6.463	5.44	8.4400	5.445	6.405	6.45	8.62	6.29	8.36	0.33	8.25	637	8.39	0.40	5.40	0.41	5.4%	0.41	9.405	0.865	9,3875	4.10	0.37	8.35	0.25	8.34	
-	8.55	0.51	8.42	6.40	5.46	0.400	6.45	6.4400	6.425	6.40'5	6.40	0.865	6.275	0.8525	0.88	0.365	6.365	0.865	8.4	8.415	3.41	2.46	0.45	8.4675	0.415	8,1905	8.67	8.3
-	5,340	8.4905	6.42	8.48%	8.895	6.1675	6.47	6.865	1,765	6.BD	0.26	6.850	6.250	0.895	0.8	6365	6.8%	0.80%	8.6	6.00	5.30	0.34	6.62	8.32%	0.215	5.1400	8.45	1.0
-	5.85	6.000	6.03	6.80	6.00	6.80	8.47	537	6.07	8.37	0.37	1880	5.00	0.805	0.84	5.60	0.41	8.600	0.40	6.65	5.61	1.40	9.42	6.00	5.70	6.86	6.0	83
/3000	8.8	8.479	6.40	6.679	0.4	0.370	6.00	0.89	0.00	5.MB	6.87	0.8779	6.00	0.9625	8.4	0.0075	0.89	0.80%	9.89	3.005	6.303	8,7759	0.00	8.003	SAUN	6.2979	8.07	- K3
/2526	3.40	5.003	8.66	540	0.48	0.47	0.48	0.46	5.44	5.42	5.4	0.603	0.87	3.800	6.M	0.0079	0.538	-0.HUN	6,39	0.1179	0.521	5,3759	5.6	8.125	8.13	8.529	6.5	8.3
/3100	5.345	9.4975	8.45	0.400	8.42	0.80%	0.19	0.39	6.38	8.35	0.39	0.3124	0.386	0.367%	6.30	8.52	0.42	8.42	5.52	5,4505	0.40	84009	9.41	0.00	9.15	0.82	8.29	
/2505	5.405	8.4625	6.38	4.575	8.54	- 6345	4.53	4.3075	8.545	6.4005	0.44	6.4325	6.500	0.9(7)	0.31	0.3475	0.365	0.8625	9,4	0.5075	6.335	8.8009	4.27	8.529	9.55	8.400	6.40	
72500	3.59	3.7	3.40	1575	2.545	1,1325	3.96	1,3925	1.005	6.8975	0.37	9.65	0.50	1.355	1.59	1.88	6.995	9465	5.4	9.4175	0.485	9.4525	9.47	0.45	8.45	0.40	6.33	-3
72500	9525	8.52%	1.43	0.39	8.55	9.21	6.47	6405	6.400	63705	0.34	8.36	0.36		0.42	6.39	0.36	6.30	9.3	9,3325	0.345	8,36%	4.29	4.5%	9.36	6.345	8.39	. 83
72000	8.40	6.00	8.32	1,3425	1,315	6,06%	640	0.435	6.42	0.63	0.40	0.4175	6.40	0.2825	0.00	5.35	8,4	145	9.42	9,3075	0,175	8.3525	8.13	8.3425	0.255	5,3675	H.38	=3
72006	6.6	6.525		1.405	8.455	6.4725	6.48	9.46	5.46	5.40	0.40	0.405	6.455	0,463	0.40	9,295	0.36	1,125	9.29	9,3125	0.345	6,1725	14	6.28	9.38	0.27	8.36	- 51
/2000	1.42	8.00	6.07	£375	5.105	6.000	6.00	6,800	0.4	14	0.4	0.15	0.35	9,325	83	0.835	0.40	9465	938	0.4925	0.45	165	8.87	\$405 5.86	0.405	5.16%	5.17	
																												-25
-	9.805	1.000		8.3670	8.50R	6.4900	6.00	6.9623	1.0E	5.60	0.89	9.40	1.0	3,80	6.80	5.18	0.87	5.48	0.39	5.185	SH	1.175	6.17	1.00	9.34	8.329	8.86	ull.
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	Α	В
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	
12	0.4125	