

### ▼ S-Algorithm

```
import pandas as pd
import numpy as np
```

```
df = pd.read_csv('Tesla Deaths.csv')
df.head
```

	<bound	method	NDFrame.head of	Case #	Year	Date	Country	State	\
0	294	2022	1/17/2023	USA	CA				
1	293	2022	1/7/2023	Canada	-				
2	292	2022	1/7/2023	USA	WA				
3	291	2022	12/22/2022	USA	GA				
4	290	2022	12/19/2022	Canada	-				
..	...	...	...	...	...				
289	5	2014	7/14/2014	USA	CA				
290	4	2014	7/4/2014	USA	CA				
291	3	2014	7/4/2014	USA	CA				
292	2	2013	11/2/2013	USA	CA				
293	1	2013	4/2/2013	USA	CA				

	Description	Deaths	Tesla driver
0	Tesla crashes into back of semi	1	1
1	Tesla crashes	1	1
2	Tesla hits pole, catches on fire	1	-
3	Tesla crashes and burns	1	1
4	Tesla crashes into storefront	1	-
..	...	...	...
289	Tesla kills motorcyclist	1	-
290	Thief crashes stolen Tesla	1	1
291	Tesla rear ends stopped car	3	-
292	Tesla kills cyclist	1	-
293	Tesla veers into opposite lane	2	-

	Tesla occupant	Other vehicle	Cyclists/ Peds	TSLA+cycl / peds	\
0	-	-	-	1	
1	-	-	-	1	
2	1	-	-	1	
3	-	-	-	1	
4	-	-	1	1	
..	...	...	...	...	
289	-	1	-	-	
290	-	-	-	1	
291	-	3	-	-	
292	-	-	1	1	
293	-	2	-	-	

	Model	Autopilot claimed	Verified Tesla Autopilot Deaths	Unnamed: 15 \
0	-	-	-	-
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
..	...	...	...	...
289	-	-	-	-
290	-	-	-	-
291	-	-	-	-
292	-	-	-	-
293	S	-	-	-

	Autopilot deaths
0	0
1	0
2	0
3	0
4	0

```
d = np.array(df)[:, :-1]
print(" The attributes are: ", d)
```

```
The attributes are: [[294 2022 '1/17/2023' ... ' - ' - ' - ' - ' ]
[293 2022 '1/7/2023'   ... ' - ' - ' - ' - ' - ' ]
[292 2022 '1/7/2023'   ... ' - ' - ' - ' - ' - ' ]
...
[3 2014 '7/4/2014'     ... ' - ' - ' - ' - ' - ' ]
[2 2013 '11/2/2013'    ... ' - ' - ' - ' - ' - ' ]
[1 2013 '4/2/2013'     ... ' - ' - ' - ' - ' - ' ]]
```

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