

## Read raw csv file

January 12, 2021

```
[3]: #navigeren naar de juiste directory
import os
os.chdir("/data/momo/tooling")
```

```
[4]: #import pandas
import pandas as pd
```

```
[5]: raw_data = pd.read_csv('/data/momo/Trainingset/week2/
↳00090003_20200812T1203_20200812T1333.csv')
```

```
[6]: raw_data
```

```
[6]:
```

	time	device_id	sp_accelero_0	sp_accelero_1	sp_accelero_2	\
0	1597233788440	24467	1200	3216	16384	
1	1597233788548	24467	1136	3328	16384	
2	1597233788636	24467	1232	3200	16416	
3	1597233788709	24467	1280	3248	16480	
4	1597233788816	24467	1168	3088	16384	
...	...	...	...	...	...	
52491	1597239187951	24467	928	3408	16432	
52492	1597239188058	24467	960	3328	16448	
52493	1597239188133	24467	944	3344	16352	
52494	1597239188222	24467	960	3296	16336	
52495	1597239188329	24467	992	3456	16400	

  

	sp_electric_0	sp_electric_1	sp_electric_10	sp_electric_11	\
0	658	539	325	131	
1	232	258	251	235	
2	215	418	646	746	
3	539	750	184	342	
4	80	245	268	517	
...	...	...	...	...	
52491	477	307	462	268	
52492	435	373	462	343	
52493	376	440	406	413	
52494	296	465	343	470	
52495	268	462	259	458	

	sp_electric_12	...	sp_resistive_5	sp_resistive_6	sp_resistive_7	\
0	-350	...	979	794	637	
1	397	...	982	796	634	
2	733	...	981	797	638	
3	-489	...	979	794	636	
4	34	...	980	801	634	
...	...	...	...	...	...	
52491	87	...	342	134	202	
52492	30	...	342	134	206	
52493	-35	...	342	133	204	
52494	-106	...	342	135	205	
52495	-132	...	342	135	208	

	hour_setting	patient_present	percentage	patient_detection	\
0	4	True	0.0	True	
1	4	True	0.0	True	
2	4	True	0.0	True	
3	4	True	0.0	True	
4	4	True	0.0	True	
...	...	...	...	...	
52491	4	False	0.0	False	
52492	4	False	0.0	False	
52493	4	False	0.0	False	
52494	4	False	0.0	False	
52495	4	False	0.0	False	

	patient_detect_state	bed_status	Moment_of_detection
0	2	2	0
1	2	2	0
2	2	2	0
3	2	2	0
4	2	2	0
...	...	...	...
52491	0	0	0
52492	0	0	0
52493	0	0	0
52494	0	0	0
52495	0	0	0

[52496 rows x 92 columns]

```
[7]: print(raw_data.columns.tolist())
```

```
['time', 'device_id', 'sp_accelero_0', 'sp_accelero_1', 'sp_accelero_2',
'sp_electric_0', 'sp_electric_1', 'sp_electric_10', 'sp_electric_11',
'sp_electric_12', 'sp_electric_13', 'sp_electric_14', 'sp_electric_15',
```

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'sp_electric_16', 'sp_electric_17', 'sp_electric_18', 'sp_electric_19',  
'sp_electric_2', 'sp_electric_20', 'sp_electric_21', 'sp_electric_22',  
'sp_electric_23', 'sp_electric_24', 'sp_electric_25', 'sp_electric_26',  
'sp_electric_27', 'sp_electric_28', 'sp_electric_29', 'sp_electric_3',  
'sp_electric_30', 'sp_electric_31', 'sp_electric_32', 'sp_electric_33',  
'sp_electric_34', 'sp_electric_35', 'sp_electric_36', 'sp_electric_37',  
'sp_electric_38', 'sp_electric_39', 'sp_electric_4', 'sp_electric_40',  
'sp_electric_41', 'sp_electric_42', 'sp_electric_43', 'sp_electric_44',  
'sp_electric_45', 'sp_electric_46', 'sp_electric_47', 'sp_electric_48',  
'sp_electric_49', 'sp_electric_5', 'sp_electric_50', 'sp_electric_51',  
'sp_electric_52', 'sp_electric_53', 'sp_electric_54', 'sp_electric_55',  
'sp_electric_56', 'sp_electric_57', 'sp_electric_58', 'sp_electric_59',  
'sp_electric_6', 'sp_electric_60', 'sp_electric_61', 'sp_electric_62',  
'sp_electric_63', 'sp_electric_64', 'sp_electric_65', 'sp_electric_66',  
'sp_electric_67', 'sp_electric_68', 'sp_electric_69', 'sp_electric_7',  
'sp_electric_70', 'sp_electric_71', 'sp_electric_8', 'sp_electric_9',  
'sp_resistive_0', 'sp_resistive_1', 'sp_resistive_2', 'sp_resistive_3',  
'sp_resistive_4', 'sp_resistive_5', 'sp_resistive_6', 'sp_resistive_7',  
'hour_setting', 'patient_present', 'percentage', 'patient_detection',  
'patient_detect_state', 'bed_status', 'Moment_of_detection']
```

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