weather_exercise

May 28, 2024

[ ]:
```
import numpy as np
import pandas as pd
from dataidea.datasets import loadDataset
```

[ ]:
```
weather_data = loadDataset('weather')
```

[ ]:
```
weather_data
```

[ ]:

	day	temperature	windspead	event
0	01/01/2017	32.0	6.0	Rain
1	04/01/2017	NaN	9.0	Sunny
2	05/01/2017	28.0	NaN	Snow
3	06/01/2017	NaN	7.0	NaN
4	07/01/2017	32.0	NaN	Rain
5	08/01/2017	NaN	NaN	Sunny
6	09/01/2017	NaN	NaN	NaN
7	10/01/2017	34.0	8.0	Cloudy
8	11/01/2017	40.0	12.0	Sunny

[ ]:
```
#How to replace values using the bfill() method
weather_data['event'] = weather_data.event.bfill()
weather_data
```

[ ]:

	day	temperature	windspead	event
0	01/01/2017	32.0	6.0	Rain
1	04/01/2017	NaN	9.0	Sunny
2	05/01/2017	28.0	NaN	Snow
3	06/01/2017	NaN	7.0	Rain
4	07/01/2017	32.0	NaN	Rain
5	08/01/2017	NaN	NaN	Sunny
6	09/01/2017	NaN	NaN	Cloudy
7	10/01/2017	34.0	8.0	Cloudy
8	11/01/2017	40.0	12.0	Sunny

[ ]:
```
#How to fill/replace missing data for numeric and categorical data using the␣
 ↪fillna()
mean = weather_data.windspead.mean()
```

```
weather_data['windspead'] =weather_data.windspead.fillna(value=mean)
weather_data
```

[ ]:

	day	temperature	windspead	event
0	01/01/2017	32.0	6.0	Rain
1	04/01/2017	NaN	9.0	Sunny
2	05/01/2017	28.0	8.4	Snow
3	06/01/2017	NaN	7.0	Rain
4	07/01/2017	32.0	8.4	Rain
5	08/01/2017	NaN	8.4	Sunny
6	09/01/2017	NaN	8.4	Cloudy
7	10/01/2017	34.0	8.0	Cloudy
8	11/01/2017	40.0	12.0	Sunny