

How encoding Ordinal data

Here encoding in desire ordered

```
import pandas as pd
df = pd.DataFrame({'Size':
['s', 'm', 'l', 'xl', 'xxl', 's', 'm', 'l', 's', 'm', 's', 'l', 'xl', 'xxl', 's', 's']})
df.head(3)
```

	Size
0	s
1	m
2	l

Here encoding alphabet wise

```
ord_data = [['s', 'm', 'l', 'xl', 'xxl']] # Here encoding in desire ordered
```

```
from sklearn.preprocessing import OrdinalEncoder
oe = OrdinalEncoder(categories=ord_data)
oe.fit(df[['Size']])
```

```
OrdinalEncoder(categories=[['s', 'm', 'l', 'xl', 'xxl']])
```

```
df['Size_en'] = oe.transform(df[['Size']]) # here encoding is alphabetically
```

```
df.head(5)
```

	Size	Size_en	Size_enc
0	s	0.0	2.0
1	m	1.0	1.0
2	l	2.0	0.0
3	xl	3.0	3.0
4	xxl	4.0	4.0

Here encoding alphabet wise

```
from sklearn.preprocessing import OrdinalEncoder
```

```
od=OrdinalEncoder()
od.fit(df[['Size']])
```

```
OrdinalEncoder()
```

```
df['Size_enc'] = od.transform(df[['Size']]) # Size_enc is  
alphabetically ordered
```

```
df.head(5)
```

	Size	Size_en	Size_enc
0	s	0.0	2.0
1	m	1.0	1.0
2	l	2.0	0.0
3	xl	3.0	3.0
4	xxl	4.0	4.0