```
from pycaret.all import *
ignore_warnings(action='ignore')
```

```
type(s)
```

```
SpaceCluster.version
```

```
SpaceCluster

Version                    0.0.3
Date                    2022-05-21
Author                     jrfiap
Maintainer                 jrfiap
```

```
dataset = pd.read_csv('C:/Users/jrfiap/Desktop/Projetos/Kaggle/Spaceship Titanic/train.csv')
dataset_test = pd.read_csv('C:/Users/jrfiap/Desktop/Projetos/Kaggle/Spaceship Titanic/test.csv')
```

```
s.get_data()
```

```
Transformed Classification Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
```

```
s.get_columns()
```

```
['PassengerId', 'HomePlanet', 'CryoSleep', 'Cabin', 'Destination', 'Age', 'VIP',
 'RoomService', 'FoodCourt', 'ShoppingMall', 'Spa', 'VrDeck', 'Name',
 'Transported']
```

```
s.get_data()
```

```
Transformed Classification Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
```

```
s.get_dtypes()
```

```
PassengerId    int32
HomePlanet     int32
CryoSleep      int32
Cabin          int32
Destination    int32
Age            int32
VIP            int32
RoomService    int32
FoodCourt      int32
ShoppingMall   int32
Spa            int32
VrDeck         int32
Name           int32
Transported    int32
dtype: object
```

```
s.get_ordinalfeatures()
```

```
{}
```

```
s.get_categorical(ignore_low=0.05,ignore_ratio=0.05)
```

```
['HomePlanet', 'CryoSleep', 'Cabin', 'Destination', 'VIP', 'Name']
```

```
s.get_numeric(ignore_low=0.05,ignore_ratio=0.05)
```

```
['PassengerId', 'Age', 'RoomService', 'FoodCourt', 'ShoppingMall', 'Spa',
 'VrDeck', 'Transported']
```

```
s.get_data('Age').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  VIP  \
0         0001           2          2  5728            2    2
1         0002           1          2  1744            2    2
2         0003           2          2  5728            2    1
3         0004           1          2  1744            2    2
4         0005           1          2  1744            2    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
```

```
s.get_data('Name').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Transported
0            0          0             0    0       0            2
1            0          0             0    0       0            2
2            0        305             0    0    1018            1
3            0          0             0  283       0            1
4            0        371          4320    0      43            2
```

```
s.get_data('Transported').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name
0            0          0             0    0       0  5728
1            0          0             0    0       0  1744
2            0        305             0    0    1018  5728
3            0          0             0  283       0  1744
4            0        371          4320    0      43  1744
```

```
s.get_data('Cabin').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Destination  Age  VIP  RoomService  \
0         0001           2          2            2   39    2            0
1         0002           1          2            2   24    2            0
2         0003           2          2            2   16    1            0
3         0004           1          2            2   26    2            0
4         0005           1          2            2   35    2            0
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0          0             0    0       0  5728            2
1          0             0    0       0  1744            2
2        305             0    0    1018  5728            1
3          0             0  283       0  1744            1
4        371          4320    0      43  1744            2
```

```
s.get_data('Destination').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Age  VIP  RoomService  \
0         0001           2          2  5728   39    2            0
1         0002           1          2  1744   24    2            0
2         0003           2          2  5728   16    1            0
3         0004           1          2  1744   26    2            0
4         0005           1          2  1744   35    2            0
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0          0             0    0       0  5728            2
1          0             0    0       0  1744            2
2        305             0    0    1018  5728            1
3          0             0  283       0  1744            1
4        371          4320    0      43  1744            2
```

```
s.get_data('Age').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  VIP  \
0         0001           2          2  5728            2    2
1         0002           1          2  1744            2    2
2         0003           2          2  5728            2    1
3         0004           1          2  1744            2    2
4         0005           1          2  1744            2    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
```

```
s.get_data('VIP').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  \
0         0001           2          2  5728            2   39
1         0002           1          2  1744            2   24
2         0003           2          2  5728            2   16
3         0004           1          2  1744            2   26
4         0005           1          2  1744            2   35
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
```

```
s.get_data('RoomService').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0          0             0    0       0  5728            2
1          0             0    0       0  1744            2
2        305             0    0    1018  5728            1
3          0             0  283       0  1744            1
4        371          4320    0      43  1744            2
```

```
s.get_data('FoodCourt').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  ShoppingMall  Spa  VrDeck  Name  Transported
0            0             0    0       0  5728            2
1            0             0    0       0  1744            2
2            0             0    0    1018  5728            1
3            0             0  283       0  1744            1
4            0          4320    0      43  1744            2
```

```
s.get_data('ShoppingMall').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  Spa  VrDeck  Name  Transported
0            0          0    0       0  5728            2
1            0          0    0       0  1744            2
2            0        305    0    1018  5728            1
3            0          0  283       0  1744            1
4            0        371    0      43  1744            2
```

```
s.get_data('Spa').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  VrDeck  Name  Transported
0            0          0             0       0  5728            2
1            0          0             0       0  1744            2
2            0        305             0    1018  5728            1
3            0          0             0       0  1744            1
4            0        371          4320      43  1744            2
```

```
s.get_data('VrDeck').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  Name  Transported
0            0          0             0    0  5728            2
1            0          0             0    0  1744            2
2            0        305             0    0  5728            1
3            0          0             0  283  1744            1
4            0        371          4320    0  1744            2
```

```
s.get_data('Name').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Transported
0            0          0             0    0       0            2
1            0          0             0    0       0            2
2            0        305             0    0    1018            1
3            0          0             0  283       0            1
4            0        371          4320    0      43            2
```

```
s.get_data('Transported').shape
```

```
Transformed Classification Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name
0            0          0             0    0       0  5728
1            0          0             0    0       0  1744
2            0        305             0    0    1018  5728
3            0          0             0  283       0  1744
4            0        371          4320    0      43  1744
```

```
s.get_data('Cabin',ignore_low=0.05).shape
```

```
Transformed Classification Dataset shape: (8693, 12)
   PassengerId  HomePlanet  CryoSleep  Destination  Age  VIP  RoomService  \
0         0001           2          2            2   39    2            0
1         0002           1          2            2   24    2            0
2         0003           2          2            2   16    1            0
3         0004           1          2            2   26    2            0
4         0005           1          2            2   35    2            0
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0          0             0    0       0  5728            2
1          0             0    0       0  1744            2
2        305             0    0    1018  5728            1
3          0             0  283       0  1744            1
4        371          4320    0      43  1744            2
```

```
s.get_data('Destination',ignore_low=0.05).shape
```

```
Transformed Classification Dataset shape: (8693, 12)
   PassengerId  HomePlanet  CryoSleep  Cabin  Age  VIP  RoomService  \
0         0001           2          2  5728   39    2            0
1         0002           1          2  1744   24    2            0
2         0003           2          2  5728   16    1            0
3         0004           1          2  1744   26    2            0
4         0005           1          2  1744   35    2            0
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0          0             0    0       0  5728            2
1          0             0    0       0  1744            2
2        305             0    0    1018  5728            1
3          0             0  283       0  1744            1
4        371          4320    0      43  1744            2
```

```
s.get_data('Age',ignore_low=0.05).shape
```

```
Transformed Classification Dataset shape: (8693, 12)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  VIP  \
0         0001           2          2  5728            2    2
1         0002           1          2  1744            2    2
2         0003           2          2  5728            2    1
3         0004           1          2  1744            2    2
4         0005           1          2  1744            2    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
```

```
s.get_data('VIP',ignore_low=0.05).shape
```

```
Transformed Classification Dataset shape: (8693, 12)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  \
0         0001           2          2  5728            2   39
1         0002           1          2  1744            2   24
2         0003           2          2  5728            2   16
3         0004           1          2  1744            2   26
4         0005           1          2  1744            2   35
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
```

```
s.get_data('RoomService',ignore_low=0.05).shape
```

```
Transformed Classification Dataset shape: (8693, 12)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0          0             0    0       0  5728            2
1          0             0    0       0  1744            2
2        305             0    0    1018  5728            1
3          0             0  283       0  1744            1
4        371          4320    0      43  1744            2
```

```
s.get_data('FoodCourt',ignore_low=0.05).shape
```

```
Transformed Classification Dataset shape: (8693, 12)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  ShoppingMall  Spa  VrDeck  Name  Transported
0            0             0    0       0  5728            2
1            0             0    0       0  1744            2
2            0             0    0    1018  5728            1
3            0             0  283       0  1744            1
4            0          4320    0      43  1744            2
```

```
s.get_data('ShoppingMall',ignore_low=0.05).shape
```

```
Transformed Classification Dataset shape: (8693, 12)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  Spa  VrDeck  Name  Transported
0            0          0    0       0  5728            2
1            0          0    0       0  1744            2
2            0        305    0    1018  5728            1
3            0          0  283       0  1744            1
4            0        371    0      43  1744            2
```

```
s.get_data('Spa',ignore_low=0.05).shape
```

```
Transformed Classification Dataset shape: (8693, 12)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  VrDeck  Name  Transported
0            0          0             0       0  5728            2
1            0          0             0       0  1744            2
2            0        305             0    1018  5728            1
3            0          0             0       0  1744            1
4            0        371          4320      43  1744            2
```

```
s.get_data('VrDeck',ignore_low=0.05).shape
```

```
Transformed Classification Dataset shape: (8693, 12)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  Name  Transported
0            0          0             0    0  5728            2
1            0          0             0    0  1744            2
2            0        305             0    0  5728            1
3            0          0             0  283  1744            1
4            0        371          4320    0  1744            2
```

```
s.get_data('Name',ignore_low=0.05).shape
```

```
Transformed Classification Dataset shape: (8693, 12)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Transported
0            0          0             0    0       0            2
1            0          0             0    0       0            2
2            0        305             0    0    1018            1
3            0          0             0  283       0            1
4            0        371          4320    0      43            2
```

```
s.get_data('Transported',ignore_low=0.05).shape
```

```
Transformed Classification Dataset shape: (8693, 12)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name
0            0          0             0    0       0  5728
1            0          0             0    0       0  1744
2            0        305             0    0    1018  5728
3            0          0             0  283       0  1744
4            0        371          4320    0      43  1744
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'Age')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('Age').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  VIP  \
0         0001           2          2  5728            2    2
1         0002           1          2  1744            2    2
2         0003           2          2  5728            2    1
3         0004           1          2  1744            2    2
4         0005           1          2  1744            2    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported  \
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('Age',ignore_low=0.05).shape
```

```
Transformed Regression Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  VIP  \
0         0001           2          2  5728            2    2
1         0002           1          2  1744            2    2
2         0003           2          2  5728            2    1
3         0004           1          2  1744            2    2
4         0005           1          2  1744            2    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'Transported')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('Transported').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported  \
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('Transported',ignore_low=0.05).shape
```

```
Transformed Regression Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'Cabin')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('Cabin').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Destination  Age  VIP  RoomService  \
0         0001           2          2            2   39    2            0
1         0002           1          2            2   24    2            0
2         0003           2          2            2   16    1            0
3         0004           1          2            2   26    2            0
4         0005           1          2            2   35    2            0
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported  Unnamed: 0
0          0             0    0       0  5728            2           0
1          0             0    0       0  1744            2           1
2        305             0    0    1018  5728            1           2
3          0             0  283       0  1744            1           3
4        371          4320    0      43  1744            2           4
```

```
s.get_data('Cabin',ignore_low=0.05).shape
```

```
Transformed Regression Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Destination  Age  VIP  RoomService  \
0         0001           2          2            2   39    2            0
1         0002           1          2            2   24    2            0
2         0003           2          2            2   16    1            0
3         0004           1          2            2   26    2            0
4         0005           1          2            2   35    2            0
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0          0             0    0       0  5728            2
1          0             0    0       0  1744            2
2        305             0    0    1018  5728            1
3          0             0  283       0  1744            1
4        371          4320    0      43  1744            2
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'Destination')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('Destination').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Age  VIP  RoomService  \
0         0001           2          2   5728   39    2            0
1         0002           1          2   1744   24    2            0
2         0003           2          2   5728   16    1            0
3         0004           1          2   1744   26    2            0
4         0005           1          2   1744   35    2            0
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported  Unnamed: 0
0          0             0    0       0  5728            2           0
1          0             0    0       0  1744            2           1
2        305             0    0    1018  5728            1           2
3          0             0  283       0  1744            1           3
4        371          4320    0      43  1744            2           4
```

```
s.get_data('Destination',ignore_low=0.05).shape
```

```
Transformed Regression Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Age  VIP  RoomService  \
0         0001           2          2   5728   39    2            0
1         0002           1          2   1744   24    2            0
2         0003           2          2   5728   16    1            0
3         0004           1          2   1744   26    2            0
4         0005           1          2   1744   35    2            0
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0          0             0    0       0  5728            2
1          0             0    0       0  1744            2
2        305             0    0    1018  5728            1
3          0             0  283       0  1744            1
4        371          4320    0      43  1744            2
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'Age')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('Age').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  VIP  \
0         0001           2          2  5728            2    2
1         0002           1          2  1744            2    2
2         0003           2          2  5728            2    1
3         0004           1          2  1744            2    2
4         0005           1          2  1744            2    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported  \
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('Age',ignore_low=0.05).shape
```

```
Transformed Regression Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  VIP  \
0         0001           2          2  5728            2    2
1         0002           1          2  1744            2    2
2         0003           2          2  5728            2    1
3         0004           1          2  1744            2    2
4         0005           1          2  1744            2    2
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'VIP')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('VIP').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  \
0         0001           2          2  5728            2   39
1         0002           1          2  1744            2   24
2         0003           2          2  5728            2   16
3         0004           1          2  1744            2   26
4         0005           1          2  1744            2   35
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported  \
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('VIP',ignore_low=0.05).shape
```

```
Transformed Regression Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  \
0         0001           2          2  5728            2   39
1         0002           1          2  1744            2   24
2         0003           2          2  5728            2   16
3         0004           1          2  1744            2   26
4         0005           1          2  1744            2   35
   RoomService  FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0            0          0             0    0       0  5728            2
1            0          0             0    0       0  1744            2
2            0        305             0    0    1018  5728            1
3            0          0             0  283       0  1744            1
4            0        371          4320    0      43  1744            2
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'RoomService')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('RoomService').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported  Unnamed: 0
0          0             0    0       0  5728            2           0
1          0             0    0       0  1744            2           1
2        305             0    0    1018  5728            1           2
3          0             0  283       0  1744            1           3
4        371          4320    0      43  1744            2           4
```

```
s.get_data('RoomService',ignore_low=0.05).shape
```

```
Transformed Regression Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   FoodCourt  ShoppingMall  Spa  VrDeck  Name  Transported
0          0             0    0       0  5728            2
1          0             0    0       0  1744            2
2        305             0    0    1018  5728            1
3          0             0  283       0  1744            1
4        371          4320    0      43  1744            2
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'FoodCourt')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('FoodCourt').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  ShoppingMall  Spa  VrDeck  Name  Transported  Unnamed: 0
0            0             0    0       0  5728            2           0
1            0             0    0       0  1744            2           1
2            0             0    0    1018  5728            1           2
3            0             0  283       0  1744            1           3
4            0          4320    0      43  1744            2           4
```

```
s.get_data('FoodCourt',ignore_low=0.05).shape
```

```
Transformed Regression Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  ShoppingMall  Spa  VrDeck  Name  Transported
0            0             0    0       0  5728            2
1            0             0    0       0  1744            2
2            0             0    0    1018  5728            1
3            0             0  283       0  1744            1
4            0          4320    0      43  1744            2
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'ShoppingMall')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('ShoppingMall').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  Spa  VrDeck  Name  Transported  Unnamed: 0
0            0          0    0       0  5728            2           0
1            0          0    0       0  1744            2           1
2            0        305    0    1018  5728            1           2
3            0          0  283       0  1744            1           3
4            0        371    0      43  1744            2           4
```

```
s.get_data('ShoppingMall',ignore_low=0.05).shape
```

```
Transformed Regression Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  Spa  VrDeck  Name  Transported
0            0          0    0       0  5728            2
1            0          0    0       0  1744            2
2            0        305    0    1018  5728            1
3            0          0  283       0  1744            1
4            0        371    0      43  1744            2
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'Spa')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('Spa').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  VrDeck  Name  Transported  \
0            0          0             0       0  5728            2
1            0          0             0       0  1744            2
2            0        305             0    1018  5728            1
3            0          0             0       0  1744            1
4            0        371          4320      43  1744            2
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('Spa',ignore_low=0.05).shape
```

```
Transformed Regression Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  VrDeck  Name  Transported
0            0          0             0       0  5728            2
1            0          0             0       0  1744            2
2            0        305             0    1018  5728            1
3            0          0             0       0  1744            1
4            0        371          4320      43  1744            2
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'VrDeck')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('VrDeck').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  Name  Transported  Unnamed: 0
0            0          0             0    0  5728            2           0
1            0          0             0    0  1744            2           1
2            0        305             0    0  5728            1           2
3            0          0             0  283  1744            1           3
4            0        371          4320    0  1744            2           4
```

```
s.get_data('VrDeck',ignore_low=0.05).shape
```

```
Transformed Regression Dataset shape: (8693, 13)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    2
2         0003           2          2  5728            2   16    1
3         0004           1          2  1744            2   26    2
4         0005           1          2  1744            2   35    2
   RoomService  FoodCourt  ShoppingMall  Spa  Name  Transported
0            0          0             0    0  5728            2
1            0          0             0    0  1744            2
2            0        305             0    0  5728            1
3            0          0             0  283  1744            1
4            0        371          4320    0  1744            2
```

```
from pycaret.all import Regression
s = setup(dataset, target = 'Name')
```

```
   Unnamed: 0
0           0
1           1
2           2
3           3
4           4
```

```
s.get_data('Name').shape
```

```
Transformed Regression Dataset shape: (8693, 14)
   PassengerId  HomePlanet  CryoSleep  Cabin  Destination  Age  VIP  \
0         0001           2          2  5728            2   39    2
1         0002           1          2  1744            2   24    
```