

Display the first few rows

```
pelvic_incidence pelvic_tilt lumbar_lordosis_angle sacral_slope \
0    63.027817  22.552586      39.609117  40.475232
1    39.056951  10.060991      25.015378  28.995960
2    68.832021  22.218482      50.092194  46.613539
3    69.297008  24.652878      44.311238  44.644130
4    49.712859   9.652075      28.317406  40.060784
```

```
pelvic_radius degree_spondylolisthesis pelvic_slope Direct_tilt \
0   98.672917      -0.254400   0.744503   12.5661
1  114.405425       4.564259   0.415186   12.8874
2  105.985135      -3.530317   0.474889   26.8343
3  101.868495      11.211523   0.369345   23.5603
4  108.168725       7.918501   0.543360   35.4940
```

```
thoracic_slope cervical_tilt sacrum_angle scoliosis_slope Status
0    14.5386   15.30468 -28.658501    43.5123 Abnormal
1    17.5323   16.78486 -25.530607    16.1102 Abnormal
2    17.4861   16.65897 -29.031888    19.2221 Abnormal
3    12.7074   11.42447 -30.470246    18.8329 Abnormal
4    15.9546    8.87237 -16.378376    24.9171 Abnormal
```

View column names

```
Index(['pelvic_incidence', 'pelvic_tilt', 'lumbar_lordosis_angle',
      'sacral_slope', 'pelvic_radius', 'degree_spondylolisthesis',
      'pelvic_slope', 'Direct_tilt', 'thoracic_slope', 'cervical_tilt',
      'sacrum_angle', 'scoliosis_slope', 'Status'],
```

```
dtype='object')
```

Check the shape of the data

```
(310, 13)
```

Summary information

```
<class 'pandas.core.frame.DataFrame'>
```

RangeIndex: 310 entries, 0 to 309

Data columns (total 13 columns):

#	Column	Non-Null Count	Dtype
0	pelvic_incidence	310 non-null	float64
1	pelvic_tilt	310 non-null	float64
2	lumbar_lordosis_angle	310 non-null	float64
3	sacral_slope	310 non-null	float64
4	pelvic_radius	310 non-null	float64
5	degree_spondylolisthesis	310 non-null	float64
6	pelvic_slope	310 non-null	float64
7	Direct_tilt	310 non-null	float64
8	thoracic_slope	310 non-null	float64
9	cervical_tilt	310 non-null	float64
10	sacrum_angle	310 non-null	float64
11	scoliosis_slope	310 non-null	float64
12	Status	310 non-null	object

```
dtypes: float64(12), object(1)
```

memory usage: 31.6+ KB

None

Summary statistic for numerical data

	pelvic_incidence	pelvic tilt	lumbar_lordosis_angle	sacral_slope \
count	310.000000	310.000000	310.000000	310.000000
mean	60.496653	17.542822	51.930930	42.953831
std	17.236520	10.008330	18.554064	13.423102
min	26.147921	-6.554948	14.000000	13.366931
25%	46.430294	10.667069	37.000000	33.347122
50%	58.691038	16.357689	49.562398	42.404912
75%	72.877696	22.120395	63.000000	52.695888
max	129.834041	49.431864	125.742385	121.429566

	pelvic_radius	degree_spondylolisthesis	pelvic_slope	Direct_tilt \
count	310.000000	310.000000	310.000000	310.000000
mean	117.920655	26.296694	0.472979	21.321526
std	13.317377	37.559027	0.285787	8.639423
min	70.082575	-11.058179	0.003220	7.027000
25%	110.709196	1.603727	0.224367	13.054400
50%	118.268178	11.767934	0.475989	21.907150
75%	125.467674	41.287352	0.704846	28.954075
max	163.071041	418.543082	0.998827	36.743900

	thoracic_slope	cervical_tilt	sacrum_angle	scoliosis_slope
count	310.000000	310.000000	310.000000	310.000000
mean	13.064511	11.933317	-14.053139	25.645981

std	3.399713	2.893265	12.225582	10.450558
min	7.037800	7.030600	-35.287375	7.007900
25%	10.417800	9.541140	-24.289522	17.189075
50%	12.938450	11.953835	-14.622856	24.931950
75%	15.889525	14.371810	-3.497094	33.979600
max	19.324000	16.821080	6.972071	44.341200

Visualize PELVIC INCIDENCE data



