```python
In [8]:   import pandas as pd
          import numpy as np
          import matplotlib.pyplot as plt
          import seaborn as sns

          df=pd.read_csv(r'C:/Users/hp/Desktop/SC2/nyc-health-hospitals-patient-satisfaction-scores-2009-1.csv')
```

```python
In [9]:   df
```

Out[9]:

	Hospital Name	HCAHPS Question	HCAHPS Answer Description	HCAHPS Answer Percent
0	BELLEVUE HOSPITAL CENTER	How often were the patients rooms and bathroom...	Room was "always" clean	56.0
1	CONEY ISLAND HOSPITAL	How often were the patients rooms and bathroom...	Room was "always" clean	64.0
2	ELMHURST HOSPITAL CENTER	How often were the patients rooms and bathroom...	Room was "always" clean	NaN
3	HARLEM HOSPITAL CENTER	How often were the patients rooms and bathroom...	Room was "always" clean	61.0
4	JACOBI MEDICAL CENTER	How often were the patients rooms and bathroom...	Room was "always" clean	63.0
...	...	...	...	...
105	LINCOLN MEDICAL & MENTAL HEALTH CENTER	Would patients recommend the hospital to frien...	"YES", patients would definitely recommend the...	57.0
106	METROPOLITAN HOSPITAL CENTER	Would patients recommend the hospital to frien...	"YES", patients would definitely recommend the...	56.0
107	NORTH CENTRAL BRONX HOSPITAL	Would patients recommend the hospital to frien...	"YES", patients would definitely recommend the...	61.0
108	QUEENS HOSPITAL CENTER	Would patients recommend the hospital to frien...	"YES", patients would definitely recommend the...	71.0
109	WOODHULL MEDICAL AND MENTAL HEALTH CENTER	Would patients recommend the hospital to frien...	"YES", patients would definitely recommend the...	59.0

110 rows × 4 columns

```python
In [10]:  df.isna().sum()
```

```
Out[10]:  Hospital Name               0
          HCAHPS Question             0
          HCAHPS Answer Description   0
          HCAHPS Answer Percent       1
          dtype: int64
```

```python
In [11]:  df['HCAHPS Answer Percent'].mean()
```

```
Out[11]:  np.float64(60.69724770642202)
```

```python
In [12]:  df.fillna(df['HCAHPS Answer Percent'].mean(),inplace=True)
```

```python
In [13]:  df.isna().sum()
```

```
Out[13]:  Hospital Name               0
          HCAHPS Question             0
          HCAHPS Answer Description   0
          HCAHPS Answer Percent       0
          dtype: int64
```

```python
In [14]:  df.iloc[2,3]
```

```
Out[14]:  np.float64(60.69724770642202)
```

```python
In [15]:  df['HCAHPS Answer Percent'].mean()
```

```
Out[15]:  np.float64(60.69724770642202)
```

```python
In [16]:  df['HCAHPS Answer Percent'].mode()
```
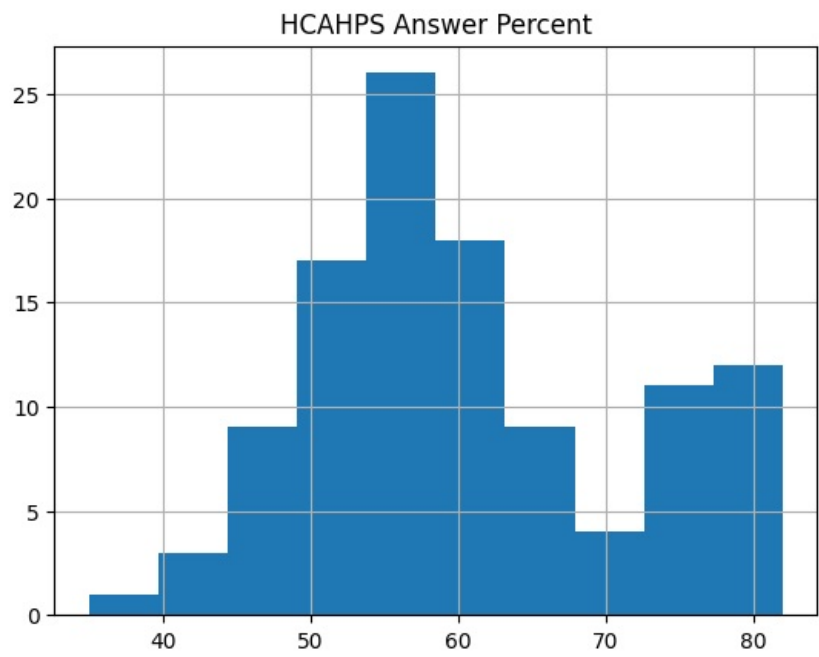
```
Out[16]:  0    56.0
          Name: HCAHPS Answer Percent, dtype: float64
```

```python
In [17]:  df['HCAHPS Answer Percent'].median()
```

```
Out[17]:  np.float64(58.0)
```

```python
In [18]:  df.hist()
```

`array([[<Axes: title={'center': 'HCAHPS Answer Percent'}>]], dtype=object)`

HCAHPS Answer Percent

```python
sns.scatterplot(data=df)
```

`<Axes: >`