In [1]:

```
"""LEVEL 02 - TASK 02"""

'''Task: Price Range Analysis

-->Determine the most common price range
among all the restaurants.

-->Calculate the average rating for each price
range.
Identify the color that represents the highest
average rating among different price ranges.'''
```

In [ ]:

```
import pandas as pd
import matplotlib.pyplot as plt
```

In [2]:

```
data = pd.read_csv('Dataset.csv')
```

In [3]:

```
# Determining the most common price range among all the restaurants
most_common_price_range = data['Price range'].mode().iloc[0]
print(f"Most Common Price Range: {most_common_price_range}")
```

```
Most Common Price Range: 1
```

In [4]:

```
# Calculating the average rating for each price range.
average_rating_by_price_range = data.groupby('Price range')['Votes'
print("Average Rating by Price Range:")
print(average_rating_by_price_range)
```

```
Average Rating by Price Range:
Price range
1     44.597435
2    147.607131
3    443.860795
4    368.595563
Name: Votes, dtype: float64
```

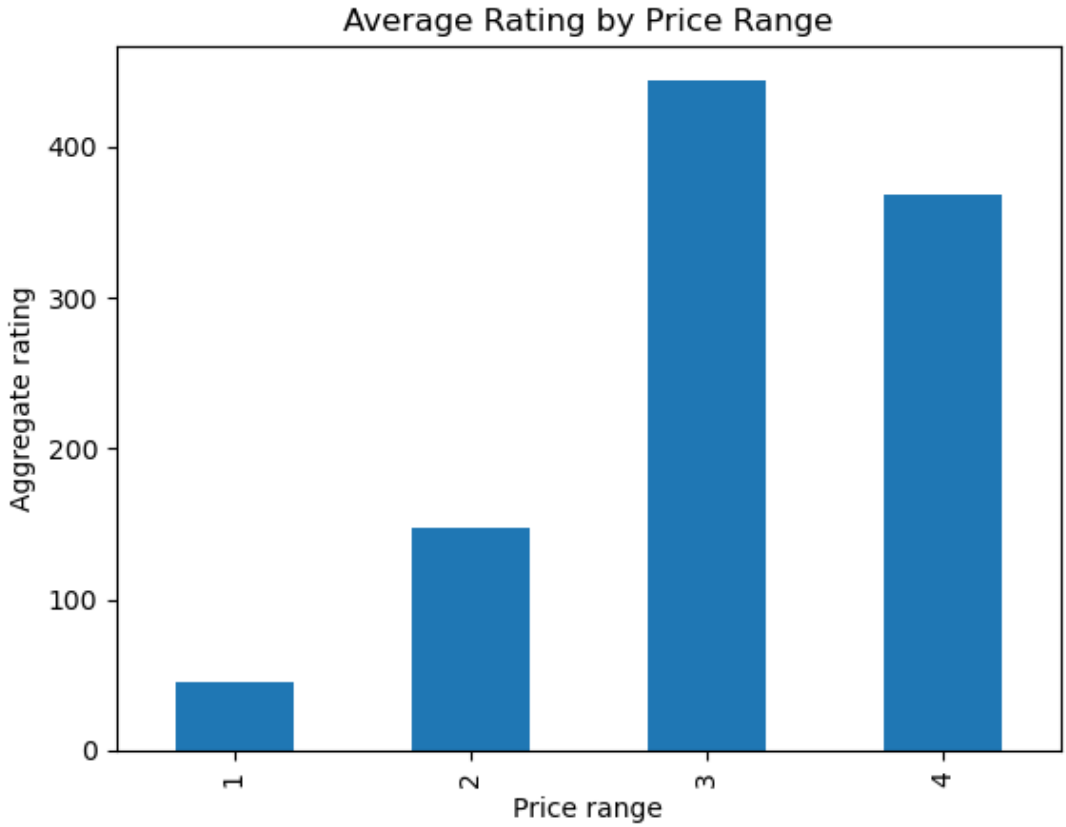
In [5]:

```
# Identifying the color that represents the highest average rating
highest_rating_color = average_rating_by_price_range.idxmax()
print(f"Color representing the highest average rating: {highest_rat
```

```
Color representing the highest average rating: 3
```

In [6]:

```
# Plotting the average rating by price range
average_rating_by_price_range.plot(kind='bar')
plt.xlabel('Price range')
plt.ylabel('Aggregate rating')
plt.title('Average Rating by Price Range')
plt.show()
```



In [ ]:

```
1
```