In [9]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

In [10]:
```
data = pd.read_csv('world_population.csv')
```

In [11]:
```
data.head(10)
```

Out[11]:

	Rank	CCA3	Country/Territory	Capital	Continent	2022 Population	2020 Population	2015 Population	Pc
0	36	AFG	Afghanistan	Kabul	Asia	41128771	38972230	33753499	2
1	138	ALB	Albania	Tirana	Europe	2842321	2866849	2882481	
2	34	DZA	Algeria	Algiers	Africa	44903225	43451666	39543154	3
3	213	ASM	American Samoa	Pago Pago	Oceania	44273	46189	51368	
4	203	AND	Andorra	Andorra la Vella	Europe	79824	77700	71746	
5	42	AGO	Angola	Luanda	Africa	35588987	33428485	28127721	2
6	224	AIA	Anguilla	The Valley	North America	15857	15585	14525	
7	201	ATG	Antigua and Barbuda	Saint John's	North America	93763	92664	89941	
8	33	ARG	Argentina	Buenos Aires	South America	45510318	45036032	43257065	4
9	140	ARM	Armenia	Yerevan	Asia	2780469	2805608	2878595	

In [12]:
```
data.describe()
```

Out[12]:

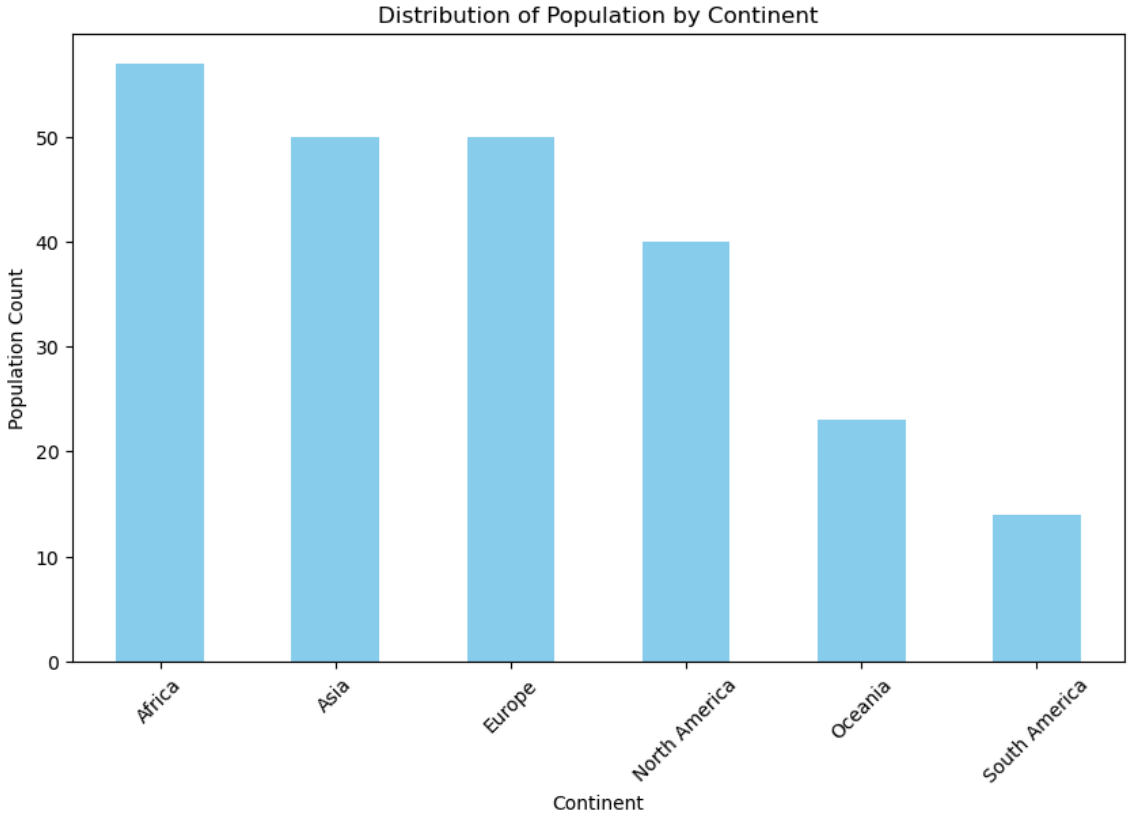
	Rank	2022 Population	2020 Population	2015 Population	2010 Population	2000 Population	
count	234.000000	2.340000e+02	2.340000e+02	2.340000e+02	2.340000e+02	2.340000e+02	2
mean	117.500000	3.407441e+07	3.350107e+07	3.172996e+07	2.984524e+07	2.626947e+07	2
std	67.694165	1.367664e+08	1.355899e+08	1.304050e+08	1.242185e+08	1.116982e+08	9
min	1.000000	5.100000e+02	5.200000e+02	5.640000e+02	5.960000e+02	6.510000e+02	7
25%	59.250000	4.197385e+05	4.152845e+05	4.046760e+05	3.931490e+05	3.272420e+05	2
50%	117.500000	5.559944e+06	5.493074e+06	5.307400e+06	4.942770e+06	4.292907e+06	3
75%	175.750000	2.247650e+07	2.144798e+07	1.973085e+07	1.915957e+07	1.576230e+07	1
max	234.000000	1.425887e+09	1.424930e+09	1.393715e+09	1.348191e+09	1.264099e+09	1

In [13]:
```
data.info()
```

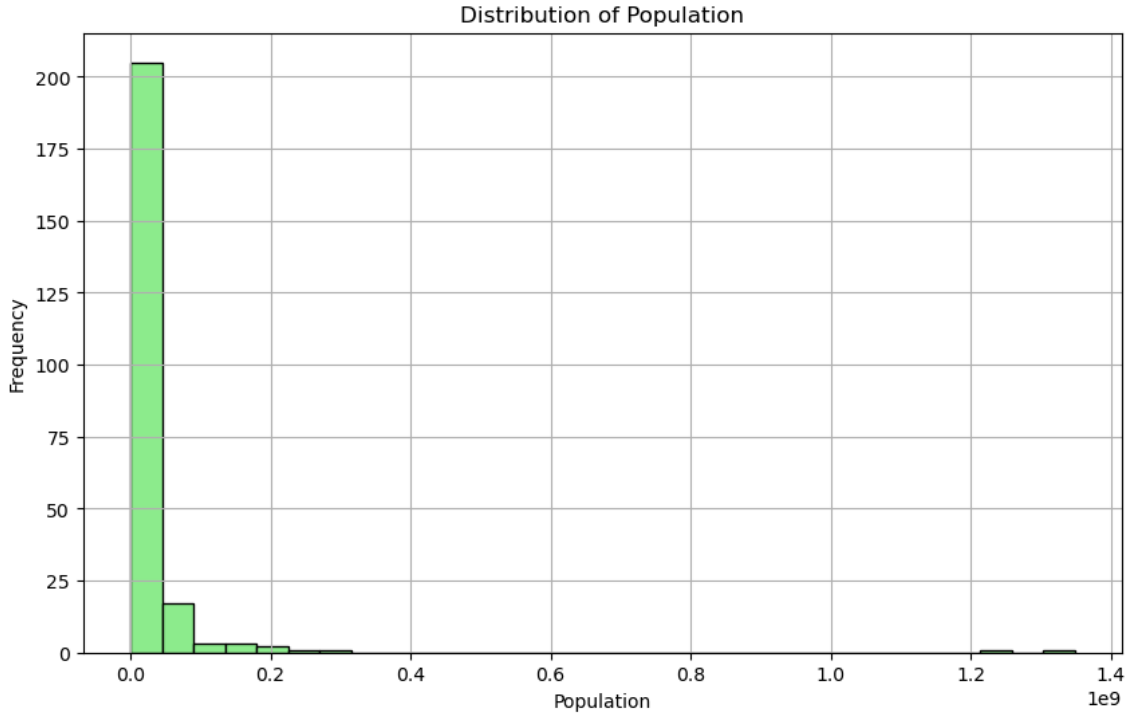
```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 234 entries, 0 to 233
Data columns (total 17 columns):
 #   Column                        Non-Null Count  Dtype  
---  ------                        --------------  -----  
 0   Rank                          234 non-null    int64  
 1   CCA3                          234 non-null    object 
 2   Country/Territory            234 non-null    object 
 3   Capital                       234 non-null    object 
 4   Continent                     234 non-null    object 
 5   2022 Population               234 non-null    int64  
 6   2020 Population               234 non-null    int64  
 7   2015 Population               234 non-null    int64  
 8   2010 Population               234 non-null    int64  
 9   2000 Population               234 non-null    int64  
 10  1990 Population               234 non-null    int64  
 11  1980 Population               234 non-null    int64  
 12  1970 Population               234 non-null    int64  
 13  Area (km²)                    234 non-null    int64  
 14  Density (per km²)             234 non-null    float64
 15  Growth Rate                   234 non-null    float64
 16  World Population Percentage  234 non-null    float64
dtypes: float64(3), int64(10), object(4)
memory usage: 31.2+ KB
```

In [14]:
```
counts_continents = data['Continent'].value_counts()
```

In [15]:
```
plt.figure(figsize=(10, 6))
counts_continents.plot(kind='bar', color='skyblue')
plt.title('Distribution of Population by Continent')
plt.xlabel('Continent')
plt.ylabel('Population Count')
plt.xticks(rotation=45)  # Rotate x-axis labels for better readability
plt.show()
```



In [16]:
```
plt.figure(figsize=(10, 6))
plt.hist(data['2010 Population'], bins=30, color='lightgreen', edgecolor='b
plt.title('Distribution of Population')
plt.xlabel('Population')
plt.ylabel('Frequency')
plt.grid(True)
plt.show()
```



In [ ]:
```
```