In [ ]:
```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
#source website : https://tourism.gov.in/
df1 = pd.read_excel(r"C:\Users\shashank verma\Downloads\Projects\Tourism_Cleaned.xlsx", sh
#df1['PERCENTAGE'] = df1['PERCENTAGE']*100
df1
```

Foreign Tourists Arrival in India (1981-2020)

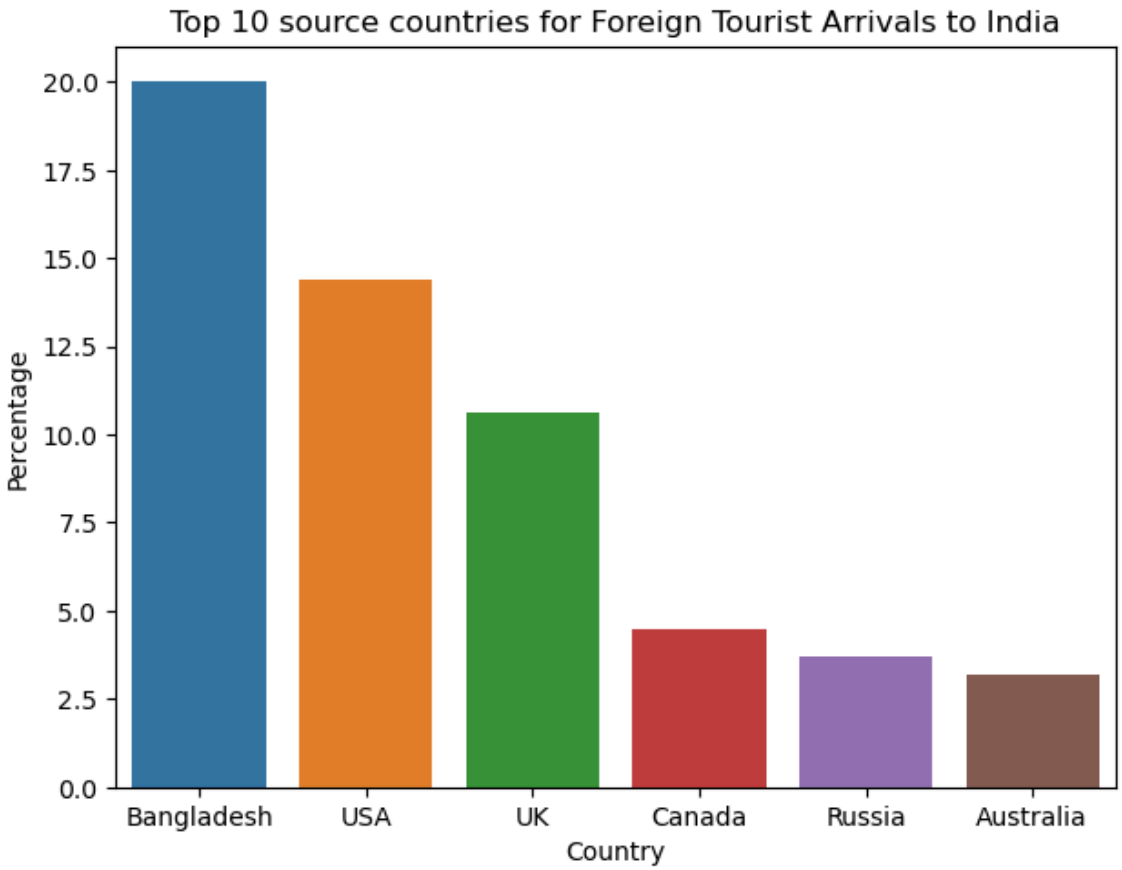
In [ ]:
```
df2 = pd.read_excel(r"C:\Users\shashank verma\Downloads\Projects\Tourism_Cleaned.xlsx", sh
df2
```

In [178]:
```
sns.lineplot(x ='Year', y = 'FTAs in India (in million)', data = df2)
plt.title('Number of Foreign Tourists Visiting India Year Wise (1980 -2020)')
plt.tight_layout()  # Adjust layout
```

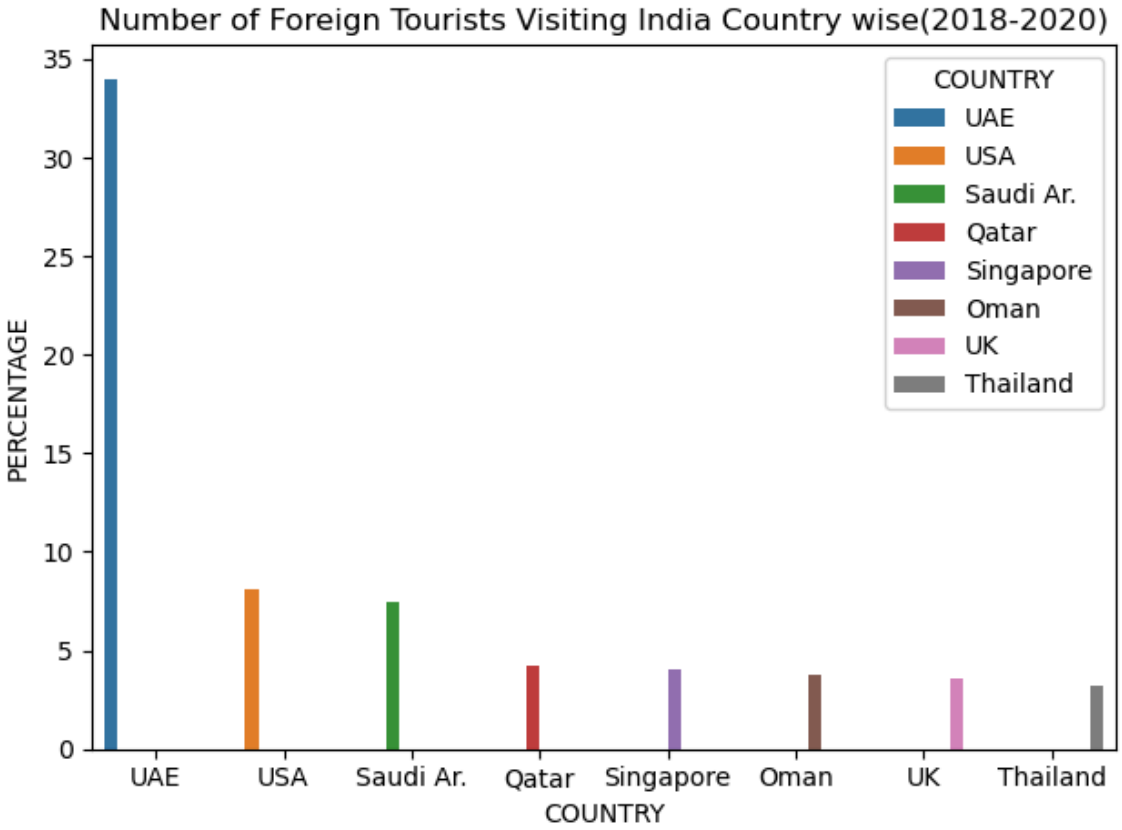
In [173]:
```
df8 = pd.read_excel(r"C:\Users\shashank verma\Downloads\Projects\Tourism_Cleaned.xlsx", sh
#df8['Percentage'] = df8['Percentage']*100
```

In [176]:
```
sns.barplot(x= 'Country', y = 'Percentage', data = df8.head(6))
plt.tight_layout()
plt.title('Top 10 source countries for Foreign Tourist Arrivals to India')
```

Out[176]: Text(0.5, 1.0, 'Top 10 source countries for Foreign Tourist Arrivals to India')



In [177]:
```
sns.barplot(x ='COUNTRY', y = 'PERCENTAGE', hue = 'COUNTRY', data = df1.head(8))
plt.title('Number of Foreign Tourists Visiting India Country wise(2018-2020)')
plt.tight_layout()
```



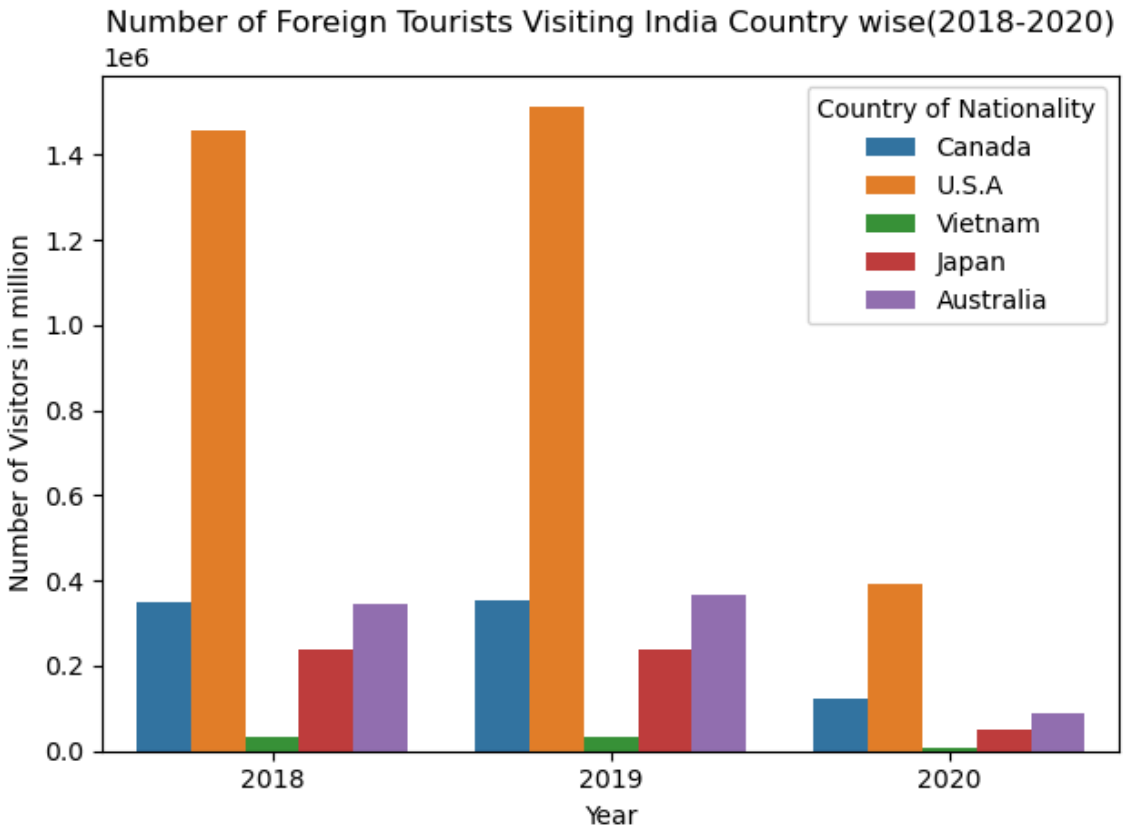
In [77]:
```
df3 = pd.read_excel(r"C:\Users\shashank verma\Downloads\Projects\Tourism_Cleaned.xlsx", sh
```

In [ ]:
```
df3
```

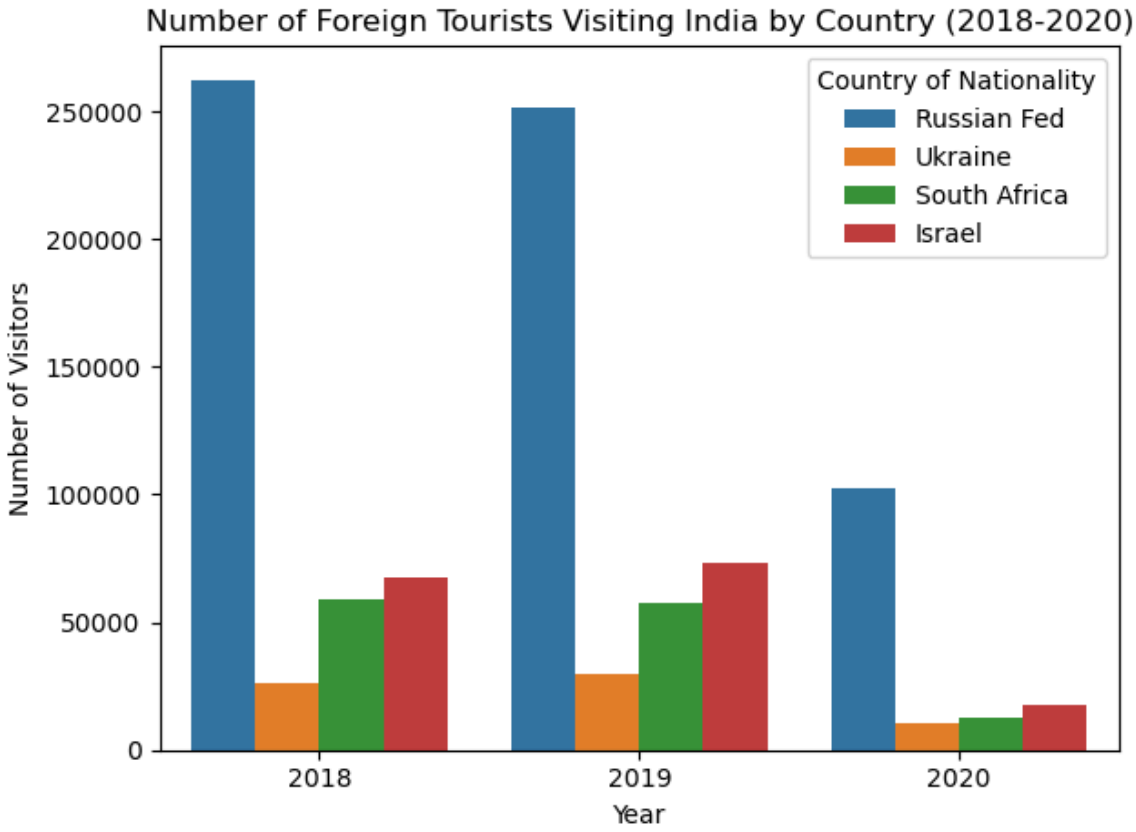
In [86]:
```
#here we are unpivoting the table by using pd.melt()
df33 = pd.melt(df3, id_vars=['Country of Nationality'], var_name='Year', value_name='Numbe
```

In [ ]:
```
df33
```

In [122]:
```
sns.barplot(x = 'Year', y = 'Number of Visitors', hue = 'Country of Nationality',
            data = df33[df33['Country of Nationality'].isin(['Canada', 'U.S.A', 'Australia
plt.xlabel('Year')
plt.ylabel('Number of Visitors in million')
plt.title('Number of Foreign Tourists Visiting India Country wise(2018-2020)')
plt.tight_layout()  # Adjust layout
plt.show()
```



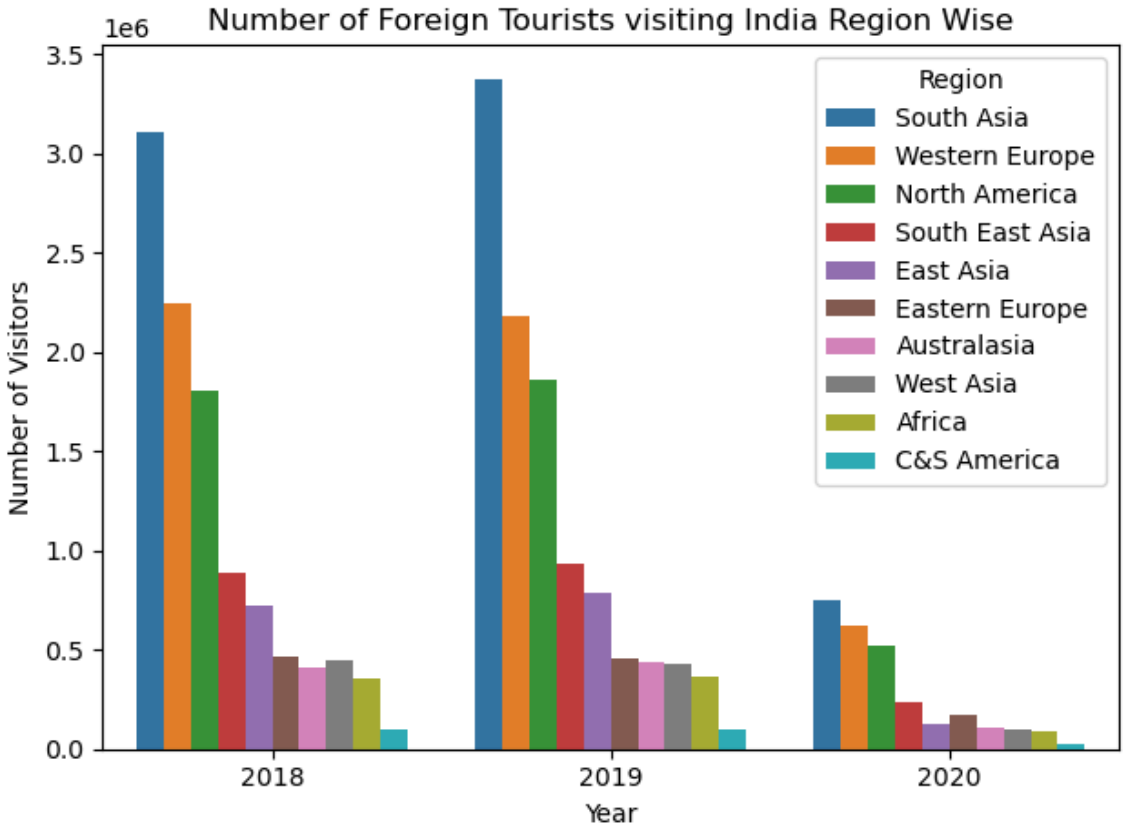
In [96]:
```
sns.barplot(x ='Year', y = 'Number of Visitors', hue = 'Country of Nationality',
            data = df33[df33['Country of Nationality'].isin(['Russian Fed','Ukraine','Soutl
plt.title('Number of Foreign Tourists Visiting India by Country (2018-2020)')
plt.tight_layout()
```



In [62]:
```
df4 = pd.read_excel(r"C:\Users\shashank verma\Downloads\Projects\Tourism_Cleaned.xlsx",
                    sheet_name = 'FTA from different region')
df4 = pd.melt(df4, id_vars=['Region'], var_name='Year', value_name='Number of Visitors')
```

In [ ]:
```
df4
```

In [100]:
```
sns.barplot(x = 'Year', y = 'Number of Visitors', hue = 'Region', data = df4)
plt.title('Number of Foreign Tourists visiting India Region Wise')
plt.tight_layout()
```

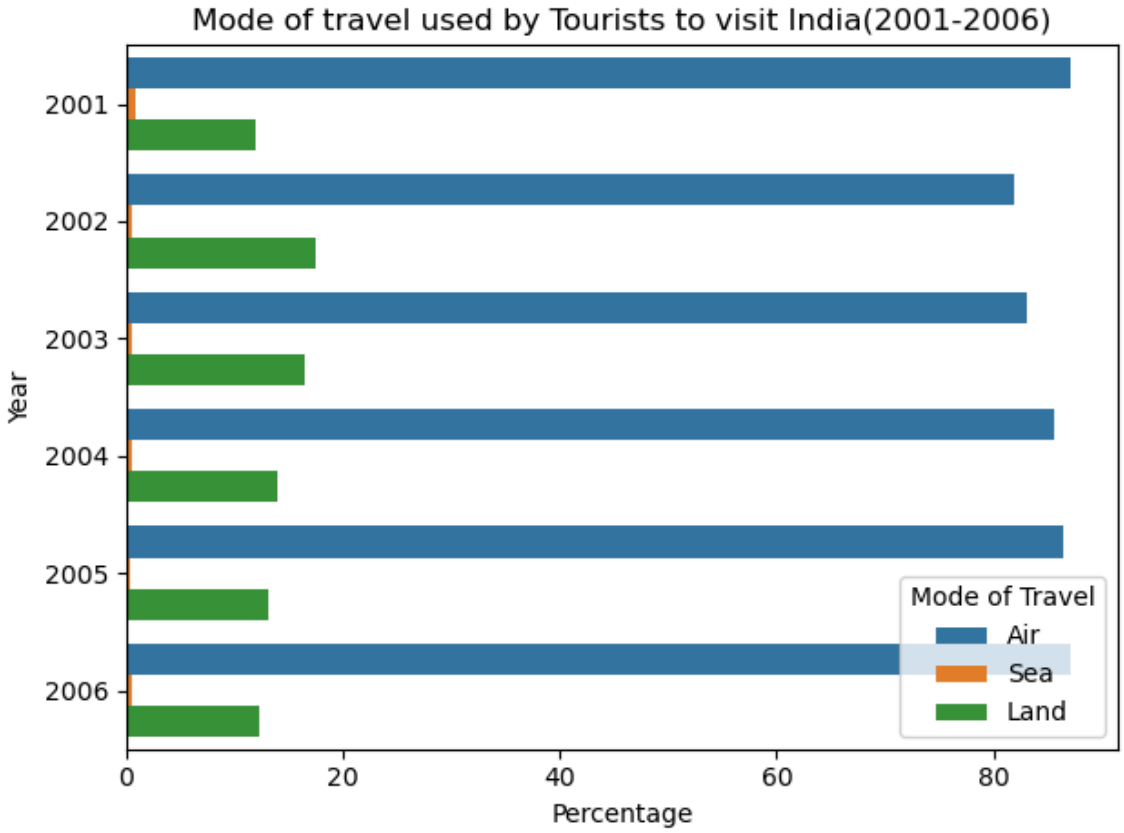


In [ ]:
```
df5 = pd.read_excel(r"C:\Users\shashank verma\Downloads\Projects\Tourism_Cleaned.xlsx",
                    sheet_name = 'FTA in India by Mode of travel')
df5
```

In [105]:
```
df5 = pd.melt(df5, id_vars = ['Year'], var_name = 'Mode of Travel', value_name = 'Percenta
```

In [ ]:
```
df5
```

In [111]:
```
sns.barplot(x = 'Percentage', y = 'Year', hue = 'Mode of Travel', orient = 'h', data = df5
plt.title('Mode of travel used by Tourists to visit India(2001-2006)')
plt.tight_layout()
```

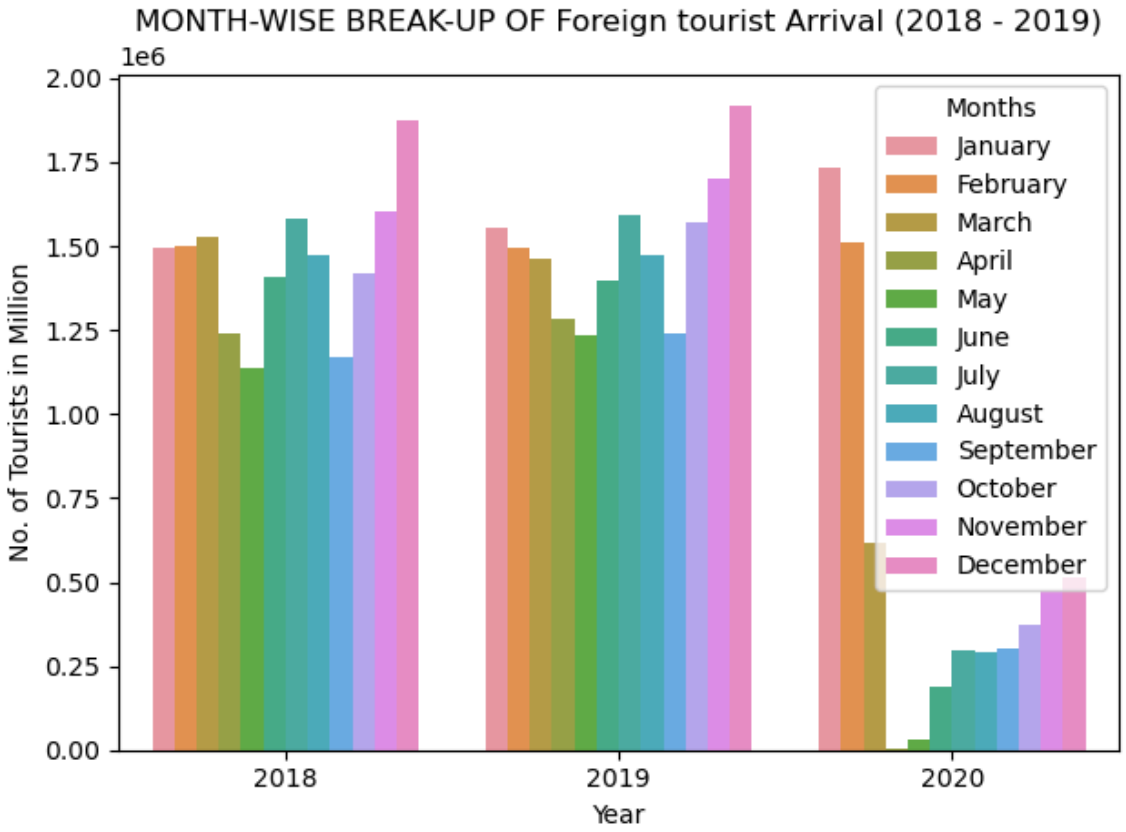


In [ ]:
```
df6 = pd.read_excel(r"C:\Users\shashank verma\Downloads\Projects\Tourism_Cleaned.xlsx",
                    sheet_name = 'MONTH-WISE BREAK-UP OF FTA')
df6
```

In [114]:
```
df6 = pd.melt(df6, id_vars = ['Months'], var_name = 'Year', value_name = 'No. of Tourists'
```

In [ ]:
```
df6
```

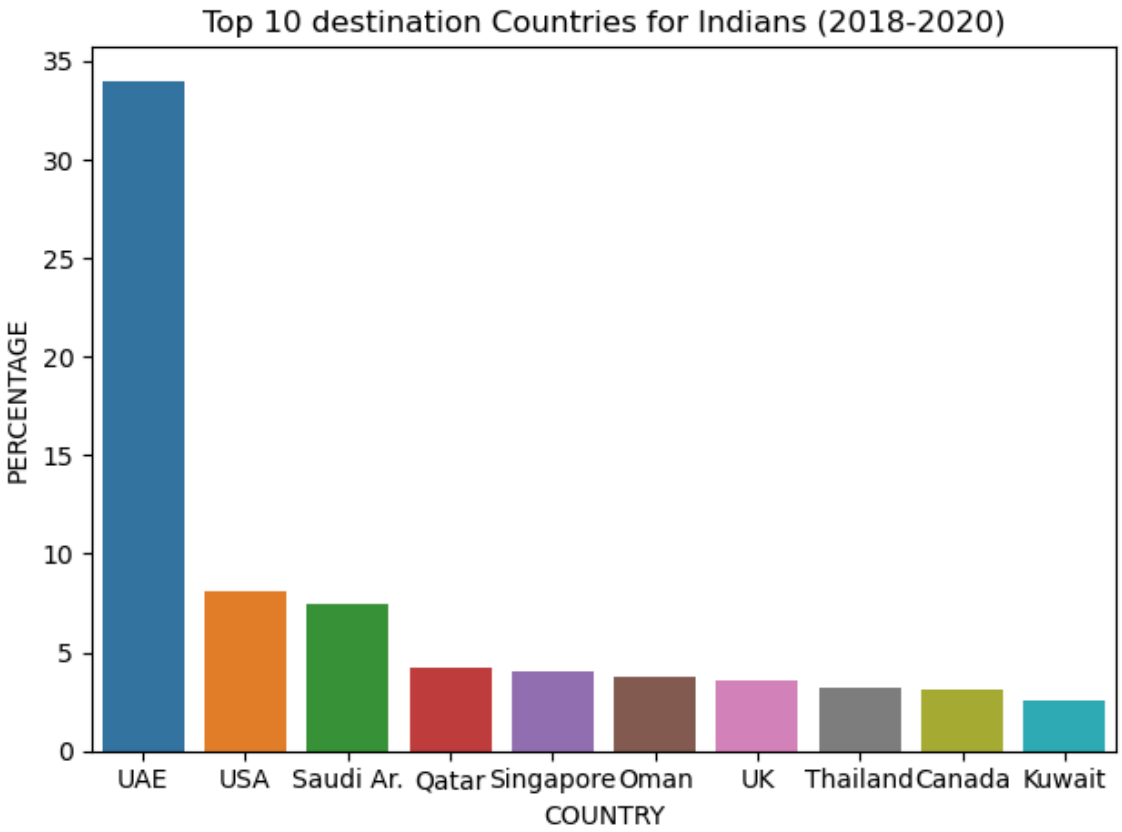
In [119]:
```
sns.barplot(x = 'Year', y = 'No. of Tourists', hue = 'Months', data = df6)
plt.ylabel('No. of Tourists in Million')
plt.title('MONTH-WISE BREAK-UP OF Foreign tourist Arrival (2018 - 2019)')
plt.tight_layout()
```



In [142]:
```
df7 = pd.read_excel(r"C:\Users\shashank verma\Downloads\Projects\Tourism_Cleaned.xlsx", sh
```

In [ ]:
```
#df7['PERCENTAGE'] = df7['PERCENTAGE']*100
df7
```

In [150]:
```
sns.barplot(x = 'COUNTRY', y = 'PERCENTAGE', data = df7.head(10))
plt.title('Top 10 destination Countries for Indians (2018-2020)')
plt.tight_layout()
```



In [ ]: