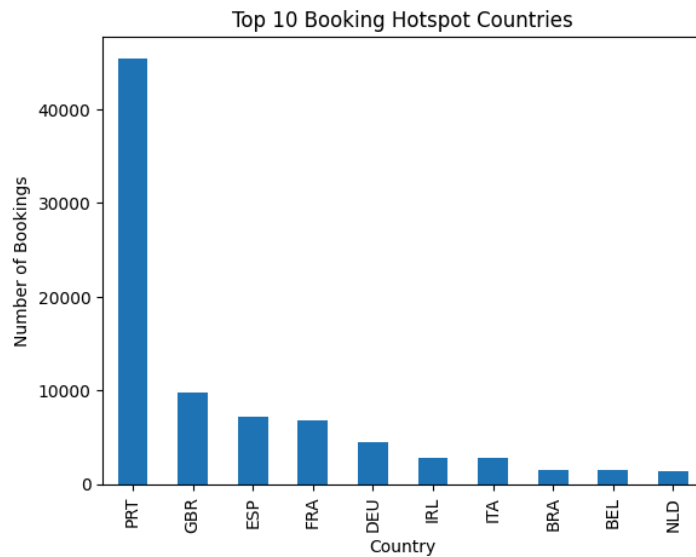


Task no 5

Task-05 Analyze traffic accident data to identify patterns related to road conditions, weather, and time of day. Visualize accident hotspots and contributing factors.

```
import matplotlib.pyplot as plt

plt.figure()
data['country'].value_counts().head(10).plot(kind='bar')
plt.xlabel('Country')
plt.ylabel('Number of Bookings')
plt.title('Top 10 Booking Hotspot Countries')
plt.show()
```



```
plt.figure()
data.boxplot(column='lead_time', by='is_canceled')
plt.xlabel('Cancellation Status (0 = Not Canceled, 1 = Canceled)')
plt.ylabel('Lead Time (Days)')
plt.title('Lead Time Distribution by Cancellation Status')
plt.suptitle('')
plt.show()
```

