```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
from scipy import stats


baggage_df = pd.read_csv('/content/Baggage_Data_cleaned2.csv')
baggage_df
```

	ActualArrival	FlightNumber	Origin	Destination	ExpectedBagsCount	FirstBagDropTime	LastBagDropTime	BaggageDeliveryTime	FIr
0	7/23/2021 15:23	3462.0	VUW	FTU	39.0	7/23/2021 15:37	7/23/2021 15:38	0:15	
1	7/23/2021 16:03	562.0	FTU	WFY	52.0	7/23/2021 16:13	7/23/2021 16:16	0:13	
2	7/23/2021 16:38	9717.0	WET	WEZ	25.0	7/23/2021 16:48	7/23/2021 16:51	0:13	
3	7/23/2021 16:22	3985.0	FTU	BEY	142.0	7/23/2021 16:24	7/23/2021 16:36	0:14	
4	7/23/2021 16:13	52.0	FTU	TZB	106.0	7/23/2021 16:23	7/23/2021 16:26	0:13	
...	...	...	...	...	...	...	...	...	
268201	7/2/2022 0:02	979.0	FTU	YUX	58.0	7/2/2022 0:12	7/2/2022 0:15	0:13	
268202	7/2/2022 0:18	764.0	FTU	WWT	138.0	7/2/2022 0:34	7/2/2022 0:37	0:19	
268203	7/2/2022 0:51	833.0	XZD	WWT	123.0	7/2/2022 1:02	7/2/2022 1:08	0:17	
268204	7/2/2022 0:39	5924.0	XCB	FUX	22.0	7/2/2022 0:49	7/2/2022 0:51	0:12	
268205	7/2/2022 0:24	7262.0	FTU	YXY	81.0	7/2/2022 0:37	7/2/2022 0:39	0:15	

268206 rows × 10 columns

```
print(baggage_df.describe())
```

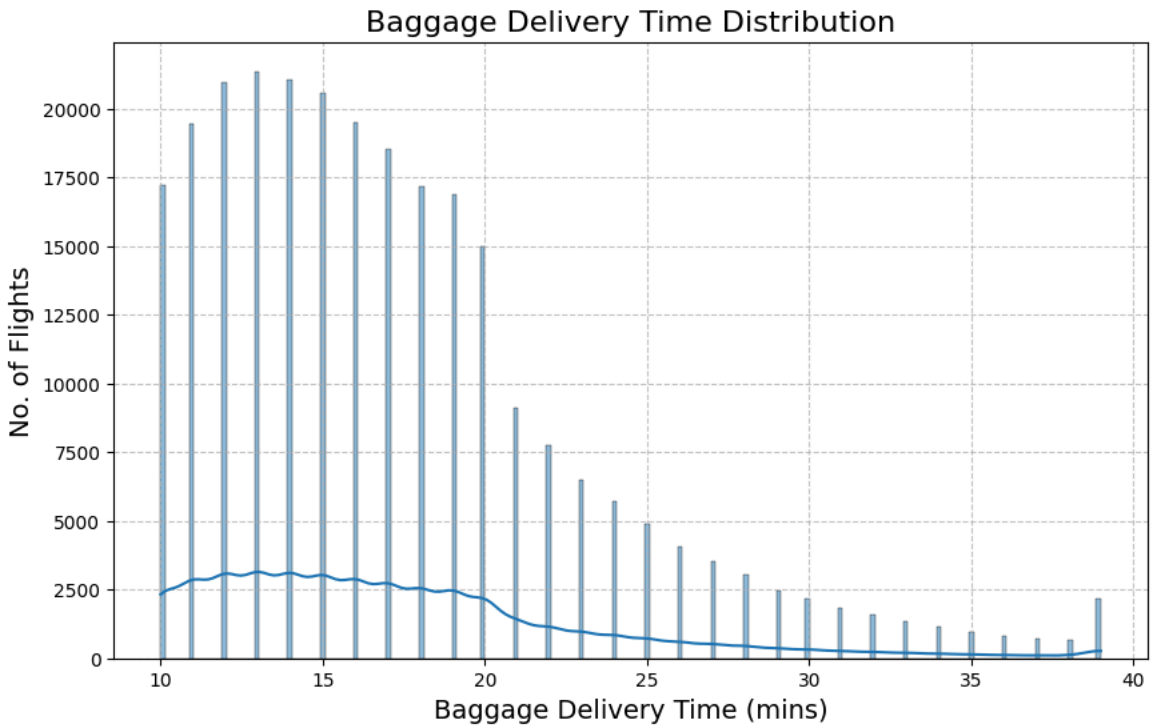
```
        FlightNumber  ExpectedBagsCount  BaggageDeliveryTime(number)
count  268111.000000      268111.000000                268111.000000
mean     3192.667861          59.757403                    17.369921
std      3196.813589          38.881679                     5.931290
min         3.000000           1.000000                    10.000000
25%       493.000000          31.000000                    13.000000
50%      1548.000000          52.000000                    16.000000
75%      5971.000000          84.000000                    20.000000
max      9994.000000         418.000000                    39.000000
```

```
plt.figure(figsize=(10, 6))
sns.histplot(baggage_df['BaggageDeliveryTime(number)'], bins=200, kde=True)

# Adding titles and labels
plt.title('Baggage Delivery Time Distribution', fontsize=16)
plt.xlabel('Baggage Delivery Time (mins)', fontsize=14)
plt.ylabel('No. of Flights', fontsize=14)

# Adding grid
plt.grid(True, linestyle='--', alpha=0.7)

# Display the plot
plt.show()
```


Baggage Delivery Time Distribution
No. of Flights
0
2500
5000
7500
10000
12500
15000
17500
20000
10
15
20
25
30
35
40
Baggage Delivery Time (mins)