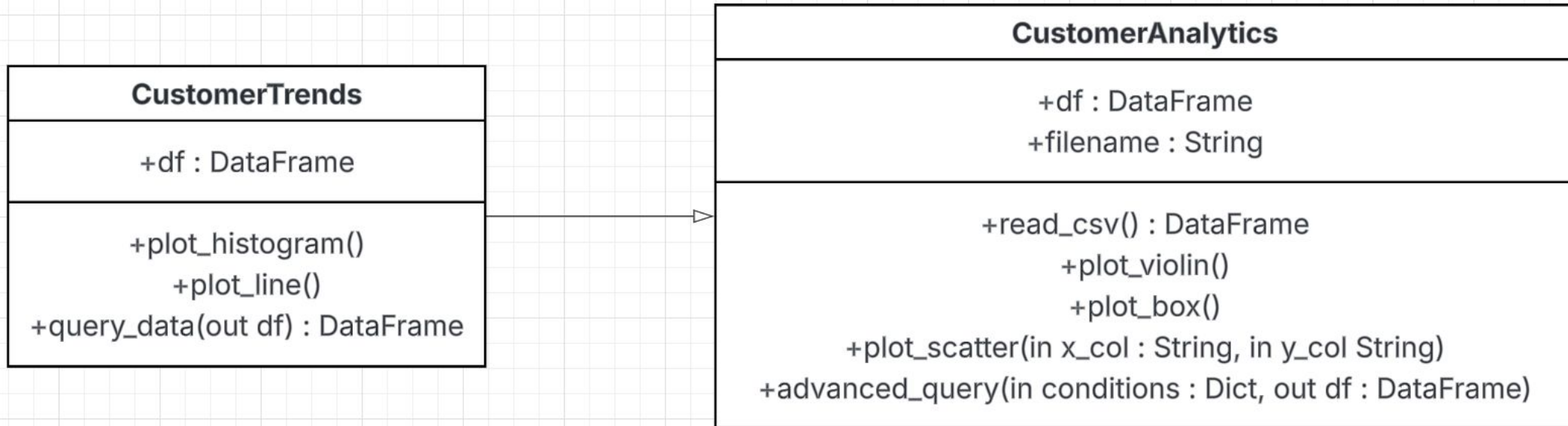


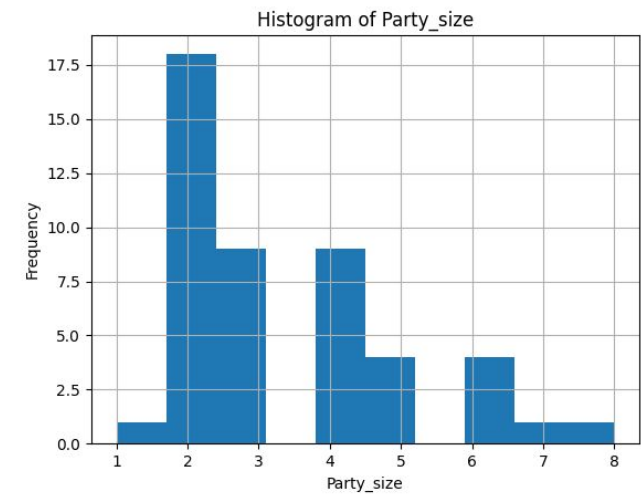
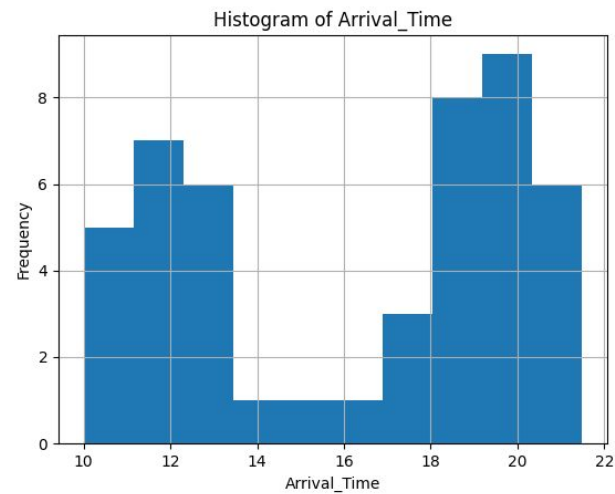
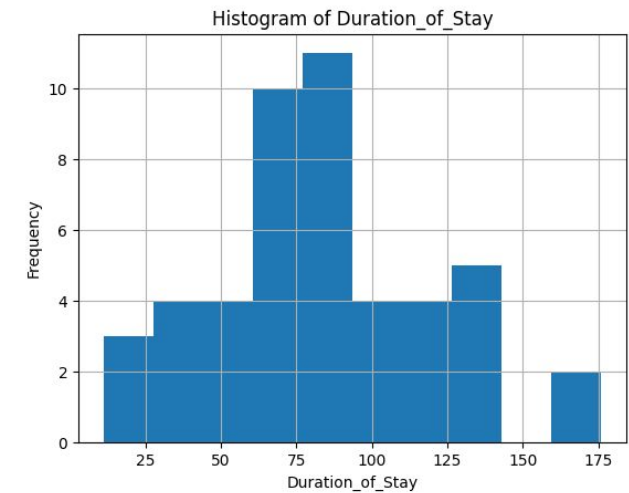
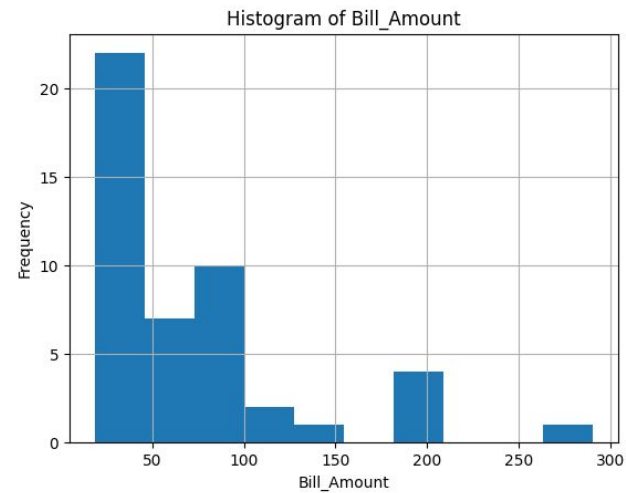
# Class diagrams



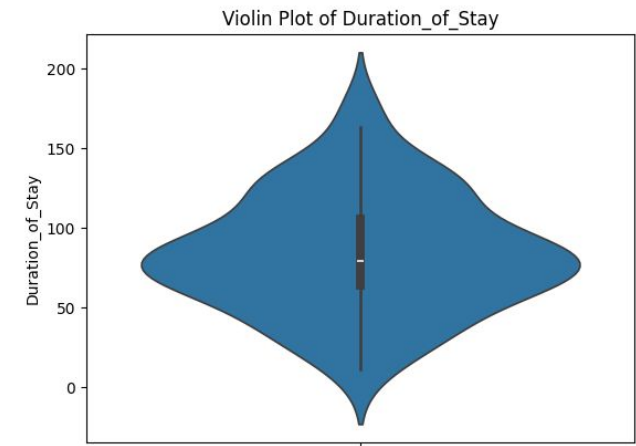
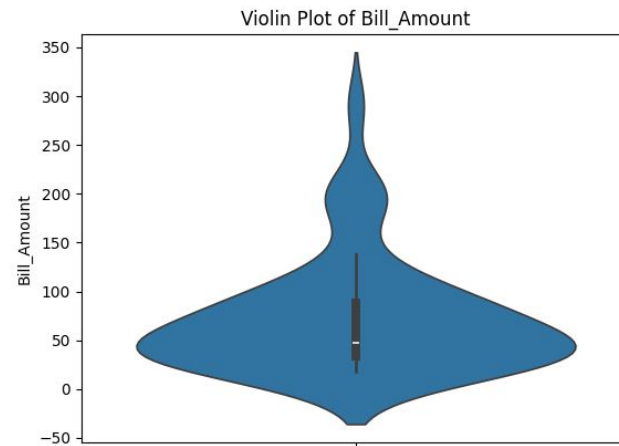
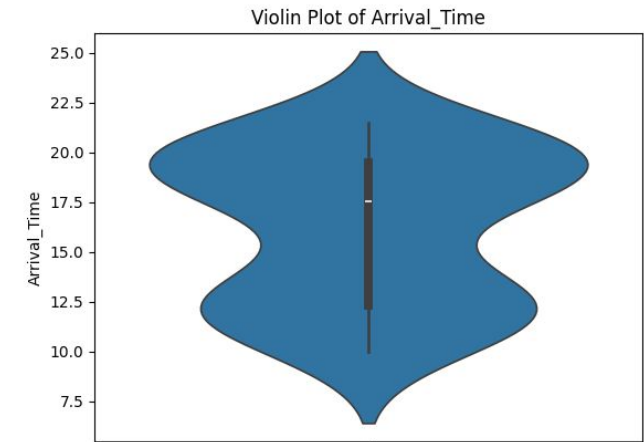
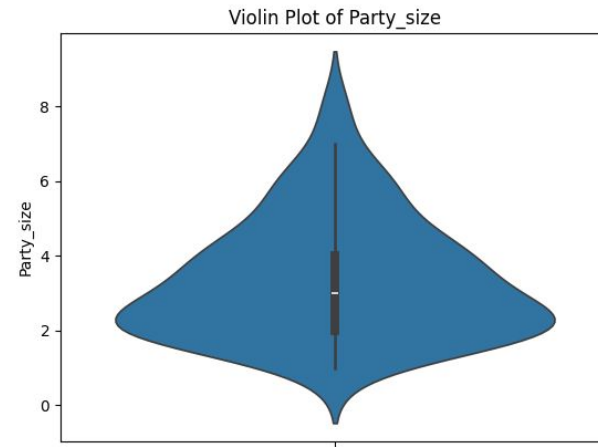
Test Data

Party size	Arrival Time	Duration of Stay	Bill Amount
2	10	90	\$36.75
1	10	35	18.34
2	10.13	48	24.75
3	10.47	79	39.99
4	11	120	58.64
2	11.39	74	19.89
3	12	69	40.42
5	12	130	96.43
6	12.03	125	112.34
4	12.06	79	100.02
2	12.2	67	31.01
4	12.25	140	32.09
2	12.38	90	21.89
2	12.58	75	40.42
4	13	102	68.54
2	13.02	85	40.54
3	13.2	109	42.86
5	13.34	134	137.53
2	14.4	47	90.12
3	15.1	87	75.67
2	16.3	75	26.74
2	17	65	21.32
4	17.2	124	47.85
2	17.54	57	34.95
2	18.2	78	26.97
4	18.26	130	78.53
2	18.34	39	31.97
5	18.46	123	97.54
6	18.55	135	109.87
8	18.57	163	200.09
2	19.1	63	32.64
6	19.13	176	290.73
3	19.23	69	59.43
2	19.35	58	34.75
2	19.44	79	36.74
3	19.57	93	42.85
2	20.04	84	29.43
4	20.07	99	86.94
5	20.17	67	196.34
6	20.24	98	203.45
7	20.33	90	185.43
3	20.57	69	68.34
4	21.2	40	79.85
3	21.27	33	86.54
3	21.34	26	65.43
4	21.37	23	76.84
2	21.49	11	45.65

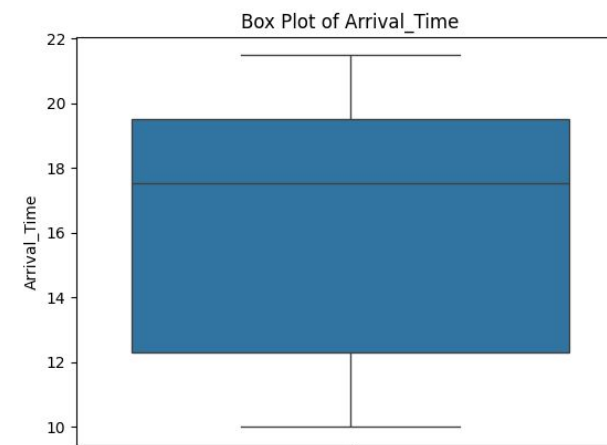
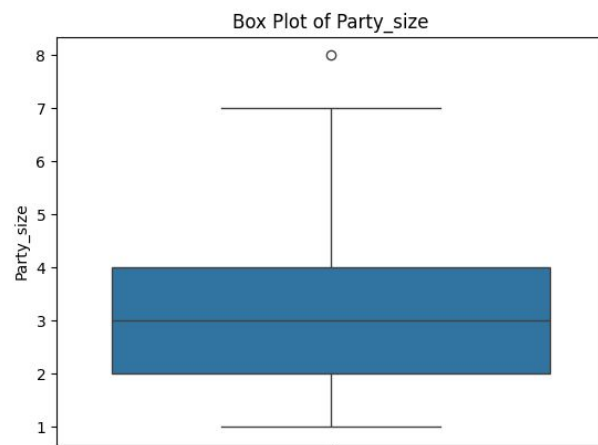
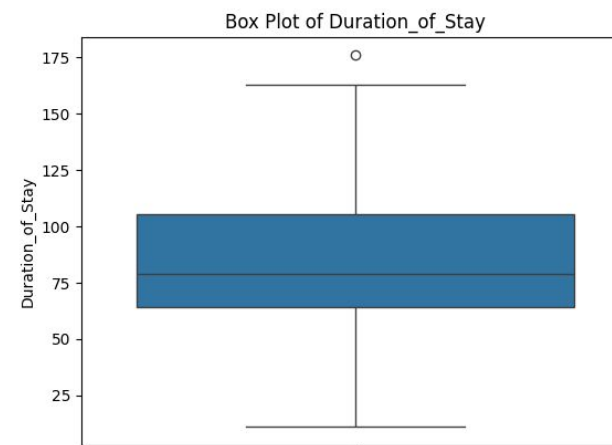
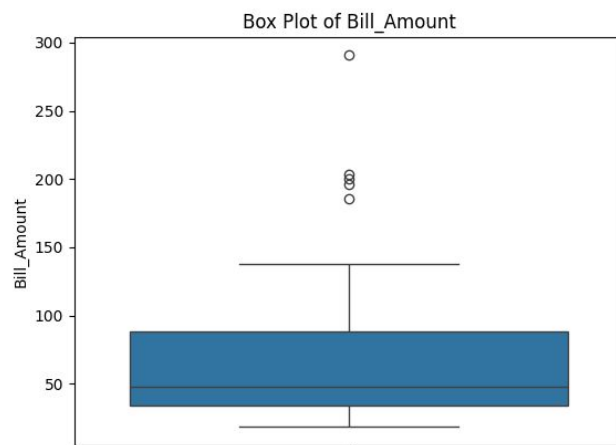
# Histogram s output



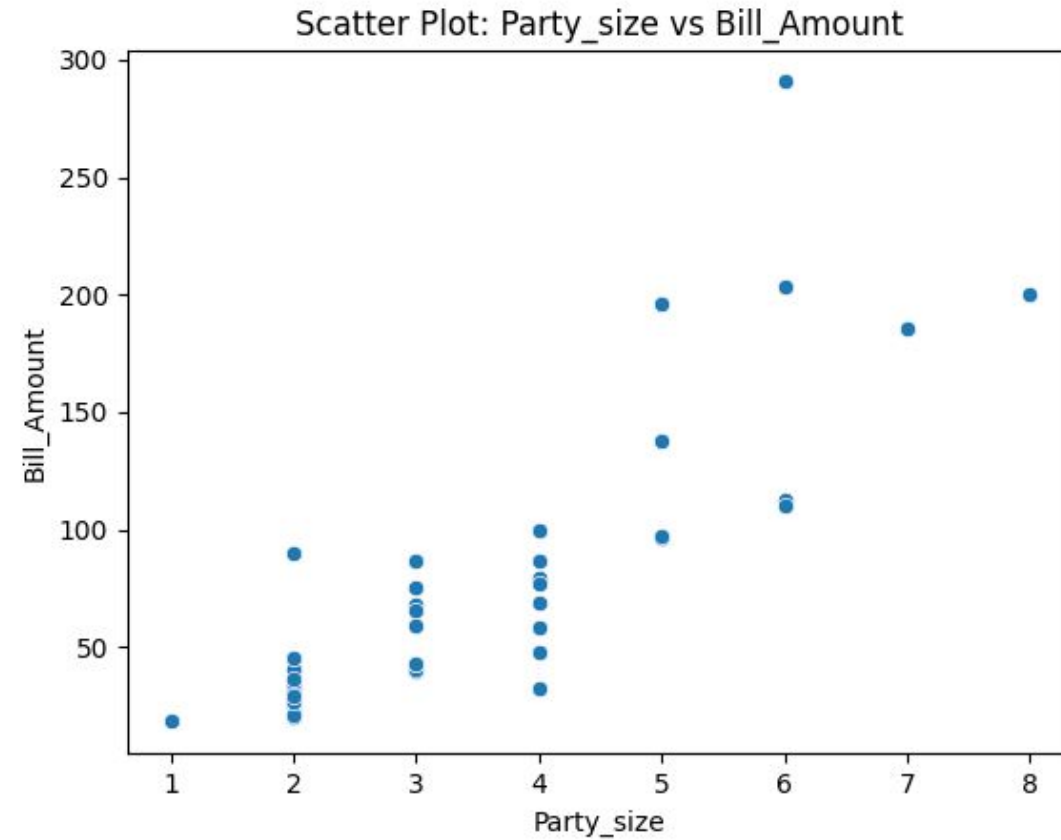
# Violin plots output



# Wisker-box plots output



# Scatter Plot



# Log file

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1 File badfile.lol not found in DataAnalysis.read_csv() function.  
2 2025-04-12 21:54:09.050060  
3  
4 File badfile.lol not found in DataAnalysis.read_csv() function.  
5 2025-04-14 19:52:09.608877  
6  
7 File ../Input/data.csv not found in DataAnalysis.read_csv() function.  
8 2025-04-14 19:57:52.429431  
9  
10 File ../Input/data.csv not found in DataAnalysis.read_csv() function.  
11 2025-04-14 20:01:44.693633  
12  
13 File Input/data.csv not found in DataAnalysis.read_csv() function.  
14 2025-04-14 20:01:53.920204  
15  
16 File ../Input/data.csv not found in DataAnalysis.read_csv() function.  
17 2025-04-14 20:03:15.420710  
18  
19 File Input/data.csv not found in DataAnalysis.read_csv() function.  
20 2025-04-14 20:03:56.777340  
21  
22 File badfile.lol not found in DataAnalysis.read_csv() function.  
23 2025-04-14 20:13:01.216775  
24  
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26 2025-04-14 20:13:01.217775  
27  
28 File badfile.lol not found in DataAnalysis.read_csv() function.  
29 2025-04-14 20:13:48.454388  
30  
31 File badfile.lol not found in DataAnalysis.read_csv() function.  
32 2025-04-14 20:13:48.454388  
33  
34
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# Task Progress report

Date	Task Name	Status	Person
04/9/2025	Work on first parent/child classes	In progress	Elizabeth
04/12/2025	Work on first parent/child classes	In progress	Henry & Davidson
04/13/2025	Work on PA2 Report	Complete	Elizabeth
04/12/2025	Work on Main.py	In Progress	Henry & Davidson
4/14/2025	Class Diagram	Complete	Everyone