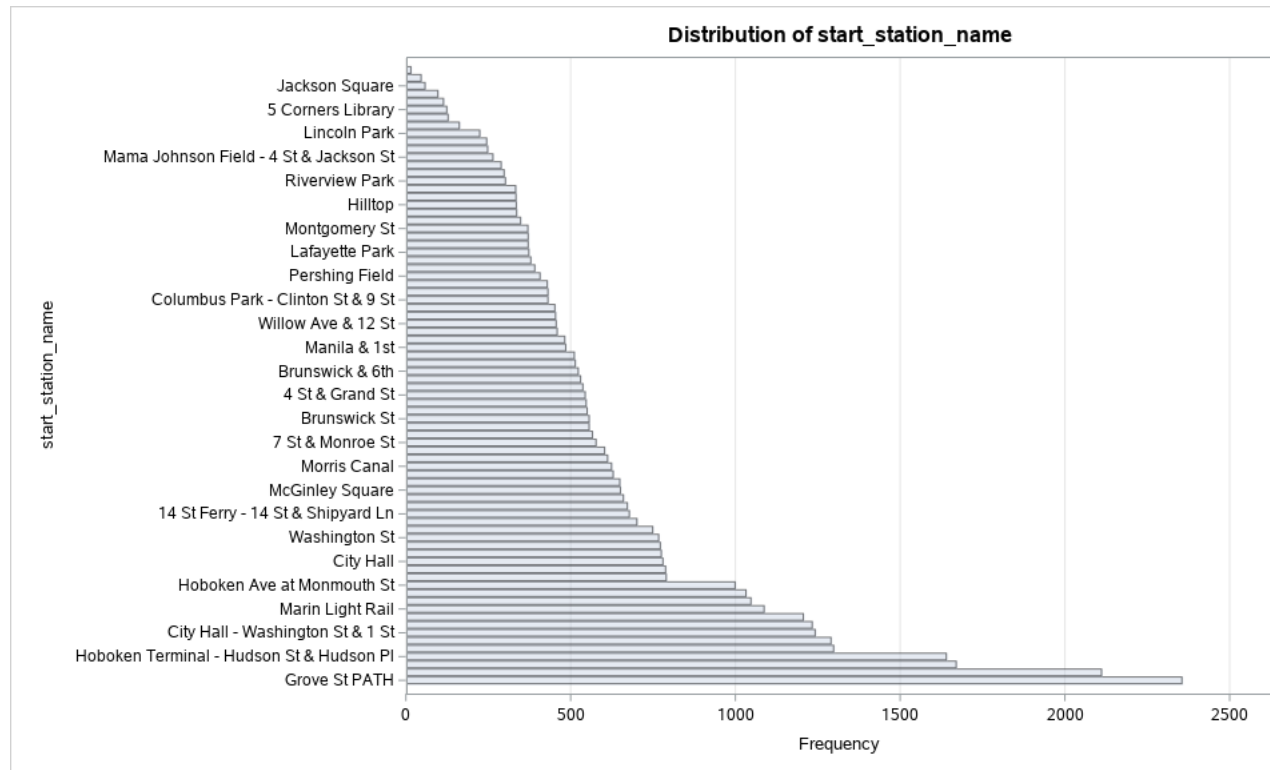


3a
Frequency for Start Station Name

The FREQ Procedure

start_station_name				
start_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Grove St PATH	2355	4.94	2355	4.94
Hoboken Terminal - River St & Hudson Pl	2111	4.43	4466	9.37
Sip Ave	1670	3.50	6136	12.87
Hoboken Terminal - Hudson St & Hudson Pl	1640	3.44	7776	16.31
Newport PATH	1298	2.72	9074	19.04
Hamilton Park	1290	2.71	10364	21.74
City Hall - Washington St & 1 St	1242	2.61	11606	24.35
South Waterfront Walkway - Sinatra Dr & 1 St	1233	2.59	12839	26.94
Newport Pkwy	1206	2.53	14045	29.47
Marin Light Rail	1087	2.28	15132	31.75
8 St & Washington St	1047	2.20	16179	33.95
11 St & Washington St	1032	2.17	17211	36.11
Hoboken Ave at Monmouth St	999	2.10	18210	38.21
Columbus Dr at Exchange Pl	790	1.66	19000	39.86
Harborside	788	1.65	19788	41.52
City Hall	780	1.64	20568	43.15
Warren St	775	1.63	21343	44.78
Madison St & 1 St	772	1.62	22115	46.40
Washington St	767	1.61	22882	48.01
Hudson St & 4 St	749	1.57	23631	49.58
Grand St & 14 St	701	1.47	24332	51.05
14 St Ferry - 14 St & Shipyard Ln	678	1.42	25010	52.47
Newark Ave	672	1.41	25682	53.88
Liberty Light Rail	660	1.38	26342	55.27
McGinley Square	651	1.37	26993	56.63
Church Sq Park - 5 St & Park Ave	649	1.36	27642	58.00
12 St & Sinatra Dr N	629	1.32	28271	59.32
Morris Canal	624	1.31	28895	60.62
Clinton St & Newark St	612	1.28	29507	61.91
Columbus Drive	603	1.27	30110	63.17
7 St & Monroe St	577	1.21	30687	64.38
Grand St	566	1.19	31253	65.57
Adams St & 2 St	556	1.17	31809	66.74
Brunswick St	556	1.17	32365	67.91
6 St & Grand St	550	1.15	32915	69.06
Baldwin at Montgomery	547	1.15	33462	70.21
4 St & Grand St	544	1.14	34006	71.35

start_station_name				
start_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
9 St HBLR - Jackson St & 8 St	537	1.13	34543	72.47
Clinton St & 7 St	530	1.11	35073	73.59
Brunswick & 6th	523	1.10	35596	74.68
Paulus Hook	514	1.08	36110	75.76
Van Vorst Park	511	1.07	36621	76.83
Manila & 1st	485	1.02	37106	77.85
Bergen Ave	482	1.01	37588	78.86
Bloomfield St & 15 St	459	0.96	38047	79.83
Willow Ave & 12 St	456	0.96	38503	80.78
JC Medical Center	454	0.95	38957	81.74
Jersey & 3rd	452	0.95	39409	82.68
Columbus Park - Clinton St & 9 St	431	0.90	39840	83.59
Dixon Mills	431	0.90	40271	84.49
Madison St & 10 St	429	0.90	40700	85.39
Pershing Field	407	0.85	41107	86.25
Southwest Park - Jackson St & Observer Hwy	391	0.82	41498	87.07
Monmouth and 6th	379	0.80	41877	87.86
Lafayette Park	373	0.78	42250	88.65
Jersey & 6th St	371	0.78	42621	89.42
Marshall St & 2 St	371	0.78	42992	90.20
Montgomery St	370	0.78	43362	90.98
Journal Square	348	0.73	43710	91.71
Glenwood Ave	336	0.70	44046	92.41
Hilltop	335	0.70	44381	93.12
Oakland Ave	334	0.70	44715	93.82
Christ Hospital	333	0.70	45048	94.52
Riverview Park	302	0.63	45350	95.15
Essex Light Rail	298	0.63	45648	95.77
Adams St & 11 St	289	0.61	45937	96.38
Mama Johnson Field - 4 St & Jackson St	264	0.55	46201	96.93
Astor Place	248	0.52	46449	97.45
Heights Elevator	245	0.51	46694	97.97
Lincoln Park	224	0.47	46918	98.44
Leonard Gordon Park	162	0.34	47080	98.78
Communipaw & Berry Lane	128	0.27	47208	99.05
5 Corners Library	124	0.26	47332	99.31
Union St	114	0.24	47446	99.55
Dey St	97	0.20	47543	99.75
Jackson Square	58	0.12	47601	99.87
Bergen Ave & Stegman St	46	0.10	47647	99.97
Grant Ave & MLK Dr	15	0.03	47662	100.00



3b Frequency for end Station Name

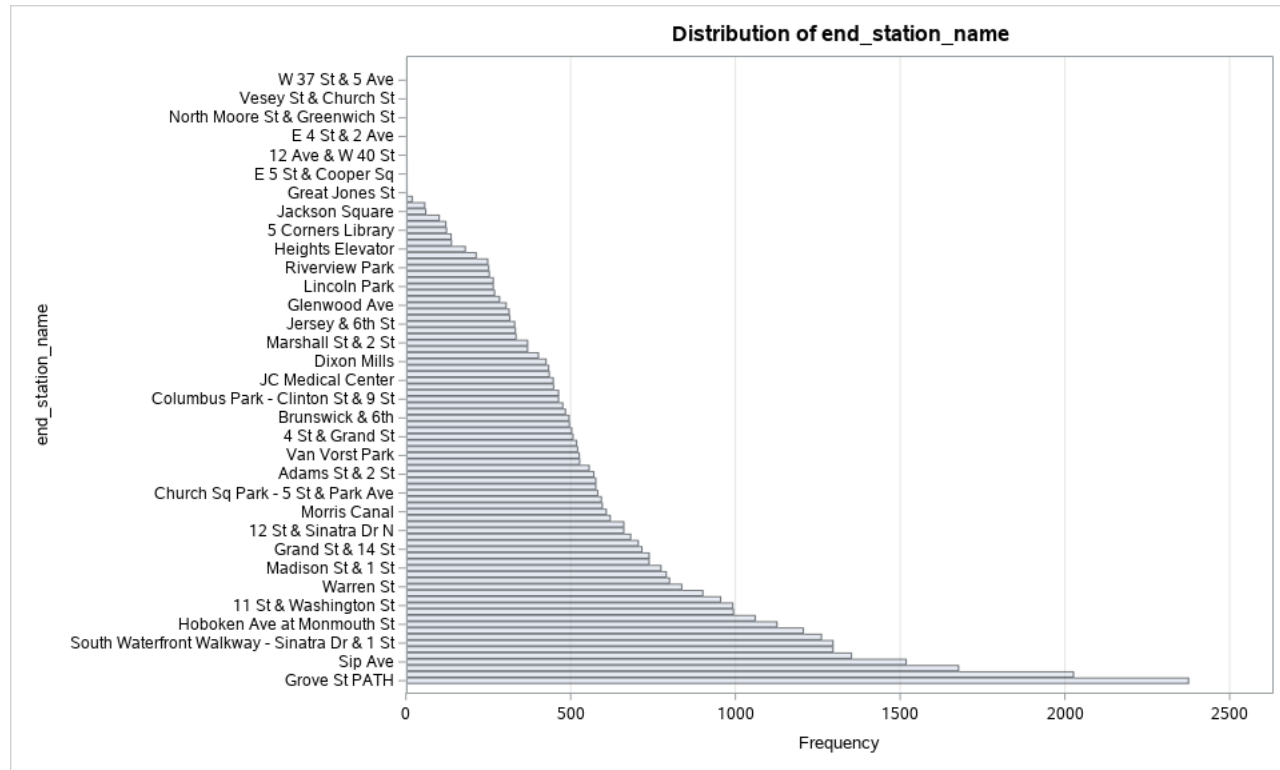
The FREQ Procedure

end_station_name				
end_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Grove St PATH	2375	4.98	2375	4.98
Hoboken Terminal - River St & Hudson Pl	2026	4.25	4401	9.23
Hoboken Terminal - Hudson St & Hudson Pl	1677	3.52	6078	12.75
Sip Ave	1518	3.18	7596	15.94
Hamilton Park	1352	2.84	8948	18.77
City Hall - Washington St & 1 St	1296	2.72	10244	21.49
South Waterfront Walkway - Sinatra Dr & 1 St	1296	2.72	11540	24.21
Newport PATH	1261	2.65	12801	26.86
Newport Pkwy	1206	2.53	14007	29.39
Hoboken Ave at Monmouth St	1126	2.36	15133	31.75
Marin Light Rail	1060	2.22	16193	33.97

end_station_name				
end_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
8 St & Washington St	994	2.09	17187	36.06
11 St & Washington St	992	2.08	18179	38.14
City Hall	955	2.00	19134	40.15
Columbus Dr at Exchange Pl	901	1.89	20035	42.04
Warren St	837	1.76	20872	43.79
Washington St	800	1.68	21672	45.47
Harborside	790	1.66	22462	47.13
Madison St & 1 St	774	1.62	23236	48.75
Hudson St & 4 St	738	1.55	23974	50.30
Newark Ave	738	1.55	24712	51.85
Grand St & 14 St	716	1.50	25428	53.35
14 St Ferry - 14 St & Shipyard Ln	705	1.48	26133	54.83
Liberty Light Rail	682	1.43	26815	56.26
12 St & Sinatra Dr N	661	1.39	27476	57.65
Columbus Drive	661	1.39	28137	59.03
Clinton St & Newark St	620	1.30	28757	60.34
Morris Canal	608	1.28	29365	61.61
McGinley Square	596	1.25	29961	62.86
Manila & 1st	593	1.24	30554	64.11
Church Sq Park - 5 St & Park Ave	582	1.22	31136	65.33
7 St & Monroe St	576	1.21	31712	66.54
Grand St	576	1.21	32288	67.74
Adams St & 2 St	570	1.20	32858	68.94
9 St HBLR - Jackson St & 8 St	556	1.17	33414	70.11
Clinton St & 7 St	527	1.11	33941	71.21
Van Vorst Park	526	1.10	34467	72.32
6 St & Grand St	521	1.09	34988	73.41
Paulus Hook	518	1.09	35506	74.50
4 St & Grand St	507	1.06	36013	75.56
Brunswick St	503	1.06	36516	76.61
Baldwin at Montgomery	496	1.04	37012	77.66
Brunswick & 6th	495	1.04	37507	78.69
Madison St & 10 St	484	1.02	37991	79.71
Willow Ave & 12 St	476	1.00	38467	80.71
Columbus Park - Clinton St & 9 St	463	0.97	38930	81.68
Southwest Park - Jackson St & Observer Hwy	463	0.97	39393	82.65
Bloomfield St & 15 St	448	0.94	39841	83.59
JC Medical Center	447	0.94	40288	84.53
Bergen Ave	435	0.91	40723	85.44
Jersey & 3rd	433	0.91	41156	86.35
Dixon Mills	425	0.89	41581	87.24

end_station_name				
end_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Montgomery St	402	0.84	41983	88.08
Lafayette Park	369	0.77	42352	88.86
Marshall St & 2 St	369	0.77	42721	89.63
Journal Square	334	0.70	43055	90.33
Pershing Field	332	0.70	43387	91.03
Jersey & 6th St	330	0.69	43717	91.72
Monmouth and 6th	315	0.66	44032	92.38
Adams St & 11 St	313	0.66	44345	93.04
Glenwood Ave	304	0.64	44649	93.68
Essex Light Rail	284	0.60	44933	94.27
Oakland Ave	269	0.56	45202	94.84
Lincoln Park	265	0.56	45467	95.39
Mama Johnson Field - 4 St & Jackson St	265	0.56	45732	95.95
Hilltop	253	0.53	45985	96.48
Riverview Park	251	0.53	46236	97.01
Astor Place	248	0.52	46484	97.53
Christ Hospital	213	0.45	46697	97.98
Heights Elevator	180	0.38	46877	98.35
Union St	138	0.29	47015	98.64
Leonard Gordon Park	137	0.29	47152	98.93
5 Corners Library	123	0.26	47275	99.19
Communipaw & Berry Lane	121	0.25	47396	99.44
Dey St	101	0.21	47497	99.65
Jackson Square	60	0.13	47557	99.78
Bergen Ave & Stegman St	57	0.12	47614	99.90
Grant Ave & MLK Dr	19	0.04	47633	99.94
Great Jones St	3	0.01	47636	99.95
Vesey Pl & River Terrace	3	0.01	47639	99.95
Barrow St & Hudson St	2	0.00	47641	99.96
E 5 St & Cooper Sq	2	0.00	47643	99.96
S 4 St & Rodney St	2	0.00	47645	99.96
W 4 St & 7 Ave S	2	0.00	47647	99.97
12 Ave & W 40 St	1	0.00	47648	99.97
Bleecker St & Crosby St	1	0.00	47649	99.97
Cathedral Pkwy & Broadway	1	0.00	47650	99.97
E 4 St & 2 Ave	1	0.00	47651	99.98
E 41 St & Madison Ave (SE corner)	1	0.00	47652	99.98
Hudson St & Reade St	1	0.00	47653	99.98
North Moore St & Greenwich St	1	0.00	47654	99.98
Park Pl & Church St	1	0.00	47655	99.99
Sullivan St & Washington Sq	1	0.00	47656	99.99

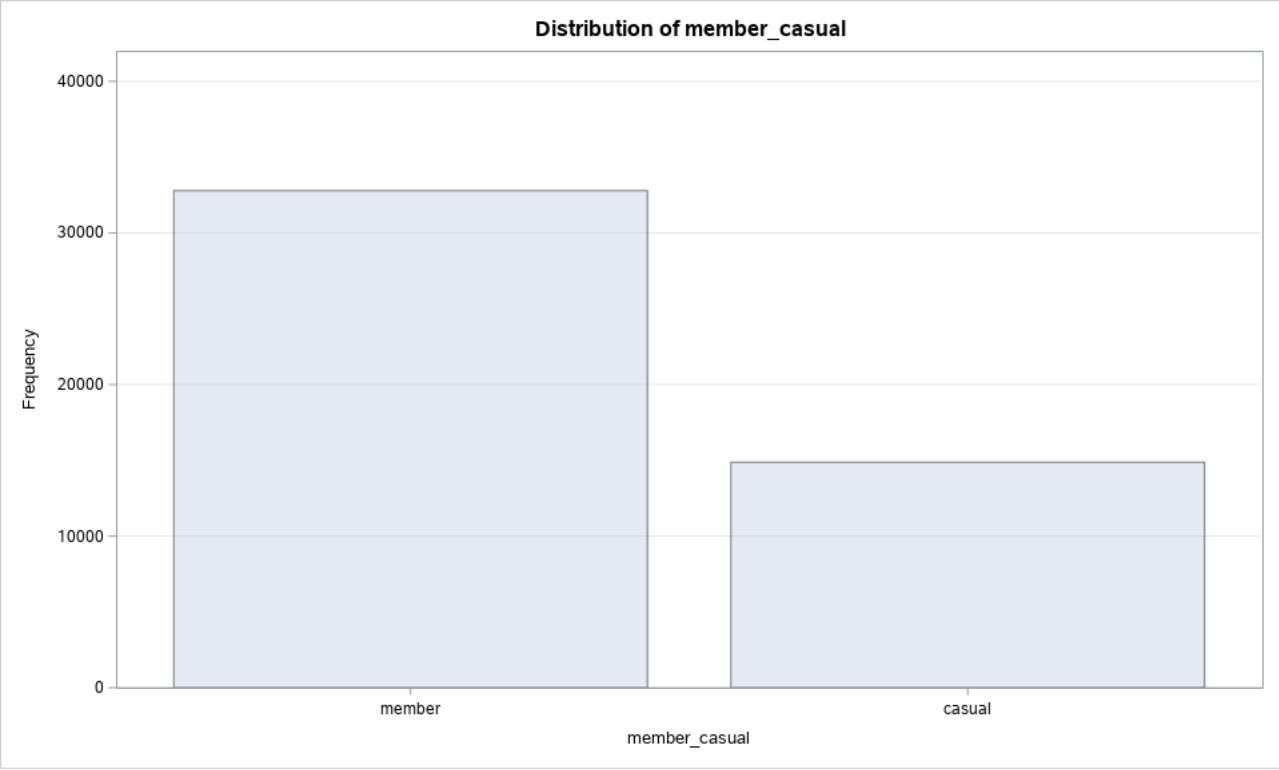
end_station_name				
end_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Vesey St & Church St	1	0.00	47657	99.99
W 21 St & 6 Ave	1	0.00	47658	99.99
W 24 St & 7 Ave	1	0.00	47659	99.99
W 37 St & 5 Ave	1	0.00	47660	100.00
West St & Chambers St	1	0.00	47661	100.00
Wythe Ave & Metropolitan Ave	1	0.00	47662	100.00



3c Frequency for Member_Casual

The FREQ Procedure

member_casual				
member_casual	Frequency	Percent	Cumulative Frequency	Cumulative Percent
member	32789	68.79	32789	68.79
casual	14873	31.21	47662	100.00



3d
Frequency for DurationMin

The FREQ Procedure

DurationMin	Frequency	Percent	Cumulative Frequency	Cumulative Percent
5	5207	10.92	5207	10.92
6	4697	9.85	9904	20.78
4	4176	8.76	14080	29.54
3	4134	8.67	18214	38.21
7	4010	8.41	22224	46.63
8	3969	8.33	26193	54.96
9	2694	5.65	28887	60.61
10	2356	4.94	31243	65.55
2	2049	4.30	33292	69.85
11	1810	3.80	35102	73.65
13	1365	2.86	36467	76.51
12	1275	2.68	37742	79.19

DurationMin	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1080	2.27	38822	81.45
14	817	1.71	39639	83.17
16	777	1.63	40416	84.80
15	708	1.49	41124	86.28
0	574	1.20	41698	87.49
18	458	0.96	42156	88.45
17	448	0.94	42604	89.39
19	434	0.91	43038	90.30
21	356	0.75	43394	91.05
20	346	0.73	43740	91.77
22	272	0.57	44012	92.34
23	224	0.47	44236	92.81
24	215	0.45	44451	93.26
26	191	0.40	44642	93.66
25	186	0.39	44828	94.05
29	181	0.38	45009	94.43
27	160	0.34	45169	94.77
32	127	0.27	45296	95.04
28	120	0.25	45416	95.29
31	118	0.25	45534	95.54
30	113	0.24	45647	95.77
36	91	0.19	45738	95.96
33	89	0.19	45827	96.15
45	84	0.18	45911	96.33
37	83	0.17	45994	96.50
42	80	0.17	46074	96.67
34	79	0.17	46153	96.83
38	72	0.15	46225	96.99
35	70	0.15	46295	97.13
39	65	0.14	46360	97.27
40	62	0.13	46422	97.40
41	58	0.12	46480	97.52
43	56	0.12	46536	97.64
44	46	0.10	46582	97.73
48	46	0.10	46628	97.83
46	41	0.09	46669	97.92
49	34	0.07	46703	97.99
47	31	0.07	46734	98.05
50	30	0.06	46764	98.12
58	27	0.06	46791	98.17
52	26	0.05	46817	98.23
59	26	0.05	46843	98.28

DurationMin	Frequency	Percent	Cumulative Frequency	Cumulative Percent
51	24	0.05	46867	98.33
54	24	0.05	46891	98.38
55	22	0.05	46913	98.43
53	21	0.04	46934	98.47
57	19	0.04	46953	98.51
61	19	0.04	46972	98.55
63	19	0.04	46991	98.59
56	18	0.04	47009	98.63
60	18	0.04	47027	98.67
62	17	0.04	47044	98.70
70	17	0.04	47061	98.74
65	14	0.03	47075	98.77
-1435	14	0.03	47089	98.80
64	13	0.03	47102	98.83
71	13	0.03	47115	98.85
73	11	0.02	47126	98.88
-1433	11	0.02	47137	98.90
67	10	0.02	47147	98.92
74	10	0.02	47157	98.94
78	10	0.02	47167	98.96
66	9	0.02	47176	98.98
69	9	0.02	47185	99.00
80	9	0.02	47194	99.02
-1432	9	0.02	47203	99.04
72	8	0.02	47211	99.05
76	8	0.02	47219	99.07
68	7	0.01	47226	99.09
75	7	0.01	47233	99.10
85	7	0.01	47240	99.11
92	7	0.01	47247	99.13
95	7	0.01	47254	99.14
111	7	0.01	47261	99.16
115	7	0.01	47268	99.17
-1431	7	0.01	47275	99.19
-1436	7	0.01	47282	99.20
77	6	0.01	47288	99.22
83	6	0.01	47294	99.23
93	6	0.01	47300	99.24
98	6	0.01	47306	99.25
114	6	0.01	47312	99.27
79	5	0.01	47317	99.28
87	5	0.01	47322	99.29

DurationMin	Frequency	Percent	Cumulative Frequency	Cumulative Percent
96	5	0.01	47327	99.30
148	5	0.01	47332	99.31
-1420	5	0.01	47337	99.32
-1429	5	0.01	47342	99.33
-1434	5	0.01	47347	99.34
81	4	0.01	47351	99.35
82	4	0.01	47355	99.36
86	4	0.01	47359	99.36
88	4	0.01	47363	99.37
89	4	0.01	47367	99.38
91	4	0.01	47371	99.39
106	4	0.01	47375	99.40
113	4	0.01	47379	99.41
143	4	0.01	47383	99.41
153	4	0.01	47387	99.42
154	4	0.01	47391	99.43
-1430	4	0.01	47395	99.44
84	3	0.01	47398	99.45
90	3	0.01	47401	99.45
97	3	0.01	47404	99.46
112	3	0.01	47407	99.46
116	3	0.01	47410	99.47
119	3	0.01	47413	99.48
122	3	0.01	47416	99.48
132	3	0.01	47419	99.49
140	3	0.01	47422	99.50
-1407	3	0.01	47425	99.50
-1408	3	0.01	47428	99.51
-1414	3	0.01	47431	99.52
-1417	3	0.01	47434	99.52
-1424	3	0.01	47437	99.53
-1437	3	0.01	47440	99.53
99	2	0.00	47442	99.54
101	2	0.00	47444	99.54
102	2	0.00	47446	99.55
105	2	0.00	47448	99.55
117	2	0.00	47450	99.56
120	2	0.00	47452	99.56
126	2	0.00	47454	99.56
127	2	0.00	47456	99.57
133	2	0.00	47458	99.57
135	2	0.00	47460	99.58

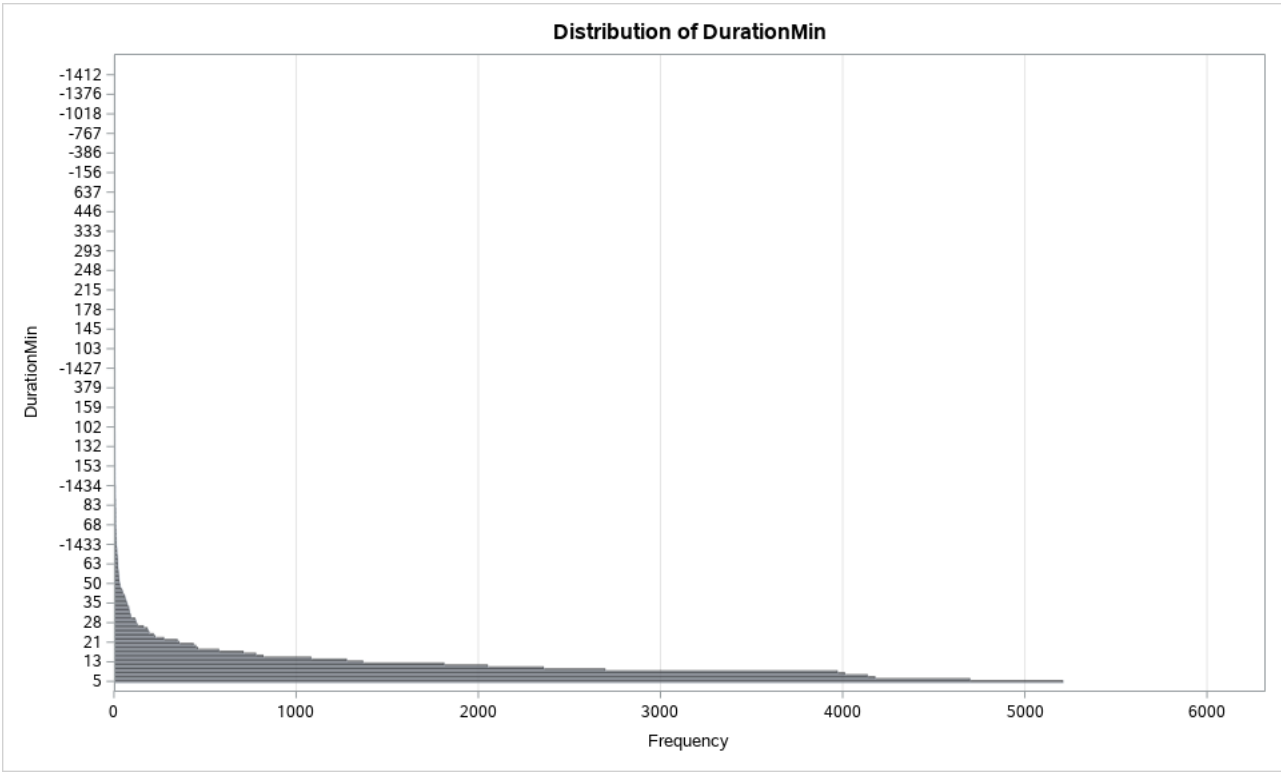
DurationMin	Frequency	Percent	Cumulative Frequency	Cumulative Percent
146	2	0.00	47462	99.58
151	2	0.00	47464	99.58
159	2	0.00	47466	99.59
188	2	0.00	47468	99.59
198	2	0.00	47470	99.60
230	2	0.00	47472	99.60
238	2	0.00	47474	99.61
239	2	0.00	47476	99.61
241	2	0.00	47478	99.61
255	2	0.00	47480	99.62
271	2	0.00	47482	99.62
290	2	0.00	47484	99.63
379	2	0.00	47486	99.63
381	2	0.00	47488	99.63
552	2	0.00	47490	99.64
-1335	2	0.00	47492	99.64
-1361	2	0.00	47494	99.65
-1382	2	0.00	47496	99.65
-1418	2	0.00	47498	99.66
-1419	2	0.00	47500	99.66
-1422	2	0.00	47502	99.66
-1426	2	0.00	47504	99.67
-1427	2	0.00	47506	99.67
-3	1	0.00	47507	99.67
94	1	0.00	47508	99.68
-22	1	0.00	47509	99.68
-26	1	0.00	47510	99.68
-30	1	0.00	47511	99.68
-71	1	0.00	47512	99.69
-73	1	0.00	47513	99.69
-90	1	0.00	47514	99.69
-99	1	0.00	47515	99.69
103	1	0.00	47516	99.69
104	1	0.00	47517	99.70
107	1	0.00	47518	99.70
109	1	0.00	47519	99.70
118	1	0.00	47520	99.70
134	1	0.00	47521	99.70
136	1	0.00	47522	99.71
137	1	0.00	47523	99.71
142	1	0.00	47524	99.71
144	1	0.00	47525	99.71

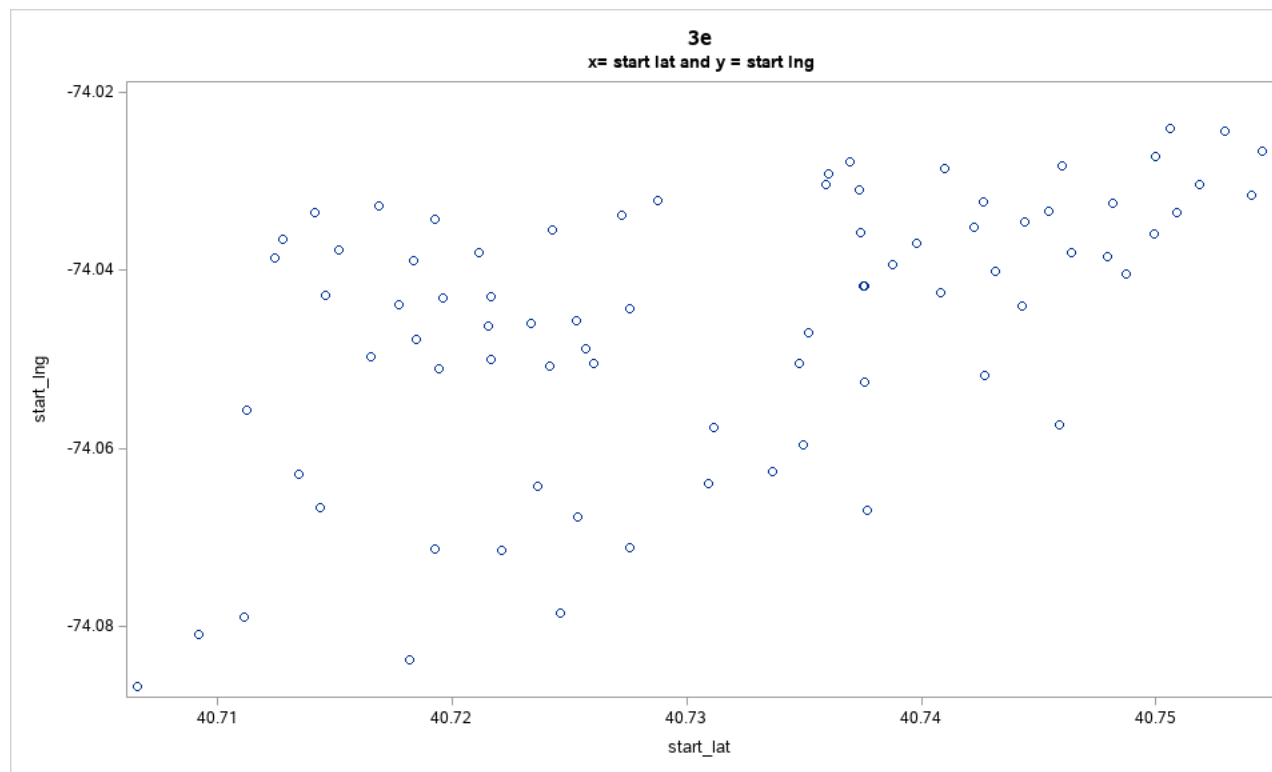
DurationMin	Frequency	Percent	Cumulative Frequency	Cumulative Percent
145	1	0.00	47526	99.71
150	1	0.00	47527	99.72
155	1	0.00	47528	99.72
157	1	0.00	47529	99.72
160	1	0.00	47530	99.72
161	1	0.00	47531	99.73
165	1	0.00	47532	99.73
166	1	0.00	47533	99.73
170	1	0.00	47534	99.73
171	1	0.00	47535	99.73
178	1	0.00	47536	99.74
187	1	0.00	47537	99.74
190	1	0.00	47538	99.74
192	1	0.00	47539	99.74
193	1	0.00	47540	99.74
194	1	0.00	47541	99.75
201	1	0.00	47542	99.75
205	1	0.00	47543	99.75
209	1	0.00	47544	99.75
212	1	0.00	47545	99.75
215	1	0.00	47546	99.76
218	1	0.00	47547	99.76
221	1	0.00	47548	99.76
224	1	0.00	47549	99.76
225	1	0.00	47550	99.77
228	1	0.00	47551	99.77
229	1	0.00	47552	99.77
232	1	0.00	47553	99.77
234	1	0.00	47554	99.77
236	1	0.00	47555	99.78
248	1	0.00	47556	99.78
256	1	0.00	47557	99.78
257	1	0.00	47558	99.78
262	1	0.00	47559	99.78
270	1	0.00	47560	99.79
275	1	0.00	47561	99.79
281	1	0.00	47562	99.79
284	1	0.00	47563	99.79
288	1	0.00	47564	99.79
289	1	0.00	47565	99.80
293	1	0.00	47566	99.80
303	1	0.00	47567	99.80

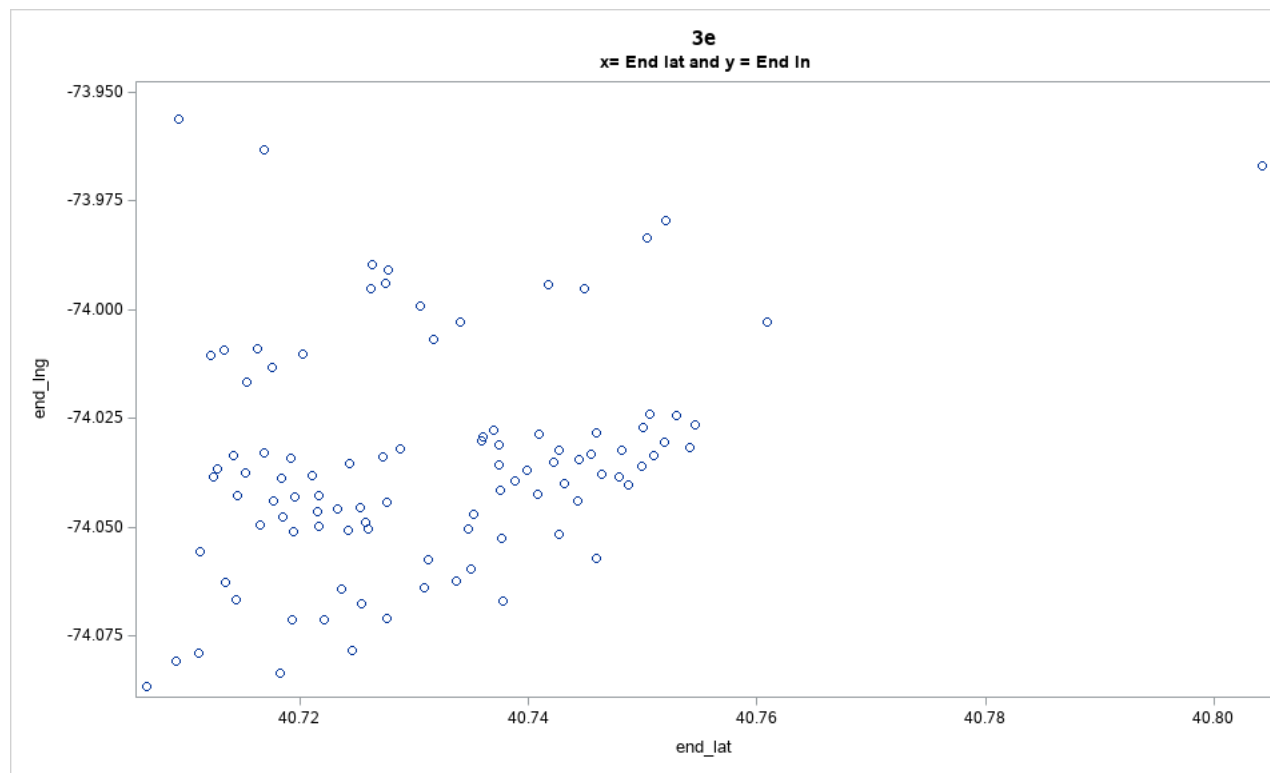
DurationMin	Frequency	Percent	Cumulative Frequency	Cumulative Percent
306	1	0.00	47568	99.80
318	1	0.00	47569	99.80
319	1	0.00	47570	99.81
322	1	0.00	47571	99.81
323	1	0.00	47572	99.81
325	1	0.00	47573	99.81
327	1	0.00	47574	99.82
329	1	0.00	47575	99.82
333	1	0.00	47576	99.82
338	1	0.00	47577	99.82
340	1	0.00	47578	99.82
352	1	0.00	47579	99.83
370	1	0.00	47580	99.83
384	1	0.00	47581	99.83
411	1	0.00	47582	99.83
429	1	0.00	47583	99.83
435	1	0.00	47584	99.84
439	1	0.00	47585	99.84
446	1	0.00	47586	99.84
460	1	0.00	47587	99.84
464	1	0.00	47588	99.84
468	1	0.00	47589	99.85
507	1	0.00	47590	99.85
511	1	0.00	47591	99.85
520	1	0.00	47592	99.85
556	1	0.00	47593	99.86
557	1	0.00	47594	99.86
592	1	0.00	47595	99.86
637	1	0.00	47596	99.86
657	1	0.00	47597	99.86
673	1	0.00	47598	99.87
680	1	0.00	47599	99.87
685	1	0.00	47600	99.87
697	1	0.00	47601	99.87
716	1	0.00	47602	99.87
724	1	0.00	47603	99.88
946	1	0.00	47604	99.88
-142	1	0.00	47605	99.88
-156	1	0.00	47606	99.88
-168	1	0.00	47607	99.88
-183	1	0.00	47608	99.89
-229	1	0.00	47609	99.89

DurationMin	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-245	1	0.00	47610	99.89
-254	1	0.00	47611	99.89
-304	1	0.00	47612	99.90
-340	1	0.00	47613	99.90
-372	1	0.00	47614	99.90
-382	1	0.00	47615	99.90
-386	1	0.00	47616	99.90
-418	1	0.00	47617	99.91
-443	1	0.00	47618	99.91
-462	1	0.00	47619	99.91
-495	1	0.00	47620	99.91
-524	1	0.00	47621	99.91
-559	1	0.00	47622	99.92
-618	1	0.00	47623	99.92
-681	1	0.00	47624	99.92
-713	1	0.00	47625	99.92
-767	1	0.00	47626	99.92
-781	1	0.00	47627	99.93
-806	1	0.00	47628	99.93
-816	1	0.00	47629	99.93
-836	1	0.00	47630	99.93
-896	1	0.00	47631	99.93
-907	1	0.00	47632	99.94
-940	1	0.00	47633	99.94
-981	1	0.00	47634	99.94
1080	1	0.00	47635	99.94
-1018	1	0.00	47636	99.95
-1072	1	0.00	47637	99.95
-1102	1	0.00	47638	99.95
-1143	1	0.00	47639	99.95
-1176	1	0.00	47640	99.95
-1324	1	0.00	47641	99.96
-1330	1	0.00	47642	99.96
-1357	1	0.00	47643	99.96
-1369	1	0.00	47644	99.96
-1371	1	0.00	47645	99.96
-1376	1	0.00	47646	99.97
-1378	1	0.00	47647	99.97
-1380	1	0.00	47648	99.97
-1381	1	0.00	47649	99.97
-1391	1	0.00	47650	99.97
-1400	1	0.00	47651	99.98

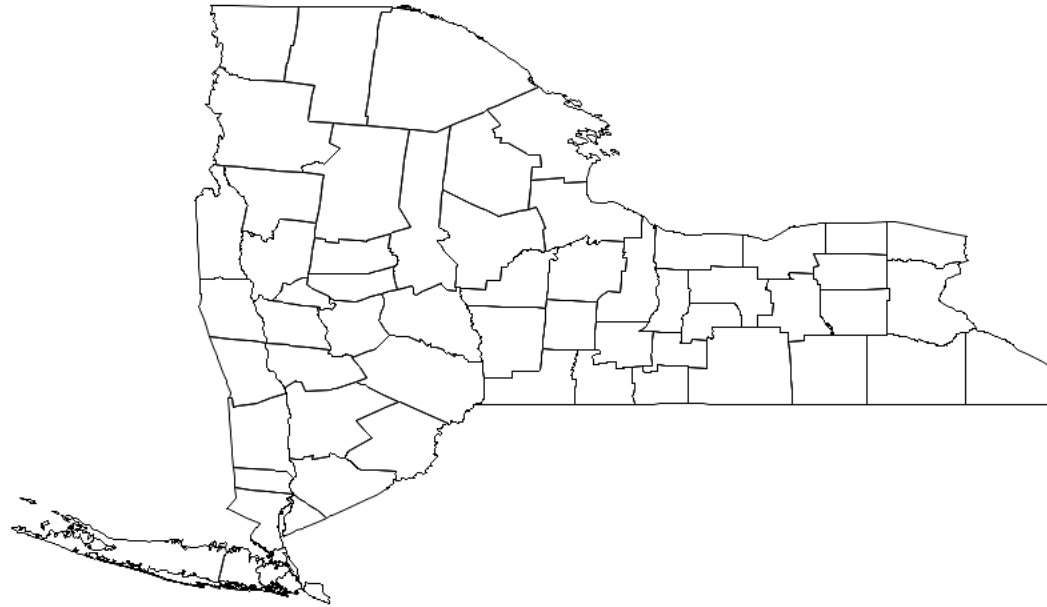
DurationMin	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1401	1	0.00	47652	99.98
-1402	1	0.00	47653	99.98
-1403	1	0.00	47654	99.98
-1406	1	0.00	47655	99.99
-1412	1	0.00	47656	99.99
-1416	1	0.00	47657	99.99
-1421	1	0.00	47658	99.99
-1423	1	0.00	47659	99.99
-1425	1	0.00	47660	100.00
-1428	1	0.00	47661	100.00
-1438	1	0.00	47662	100.00

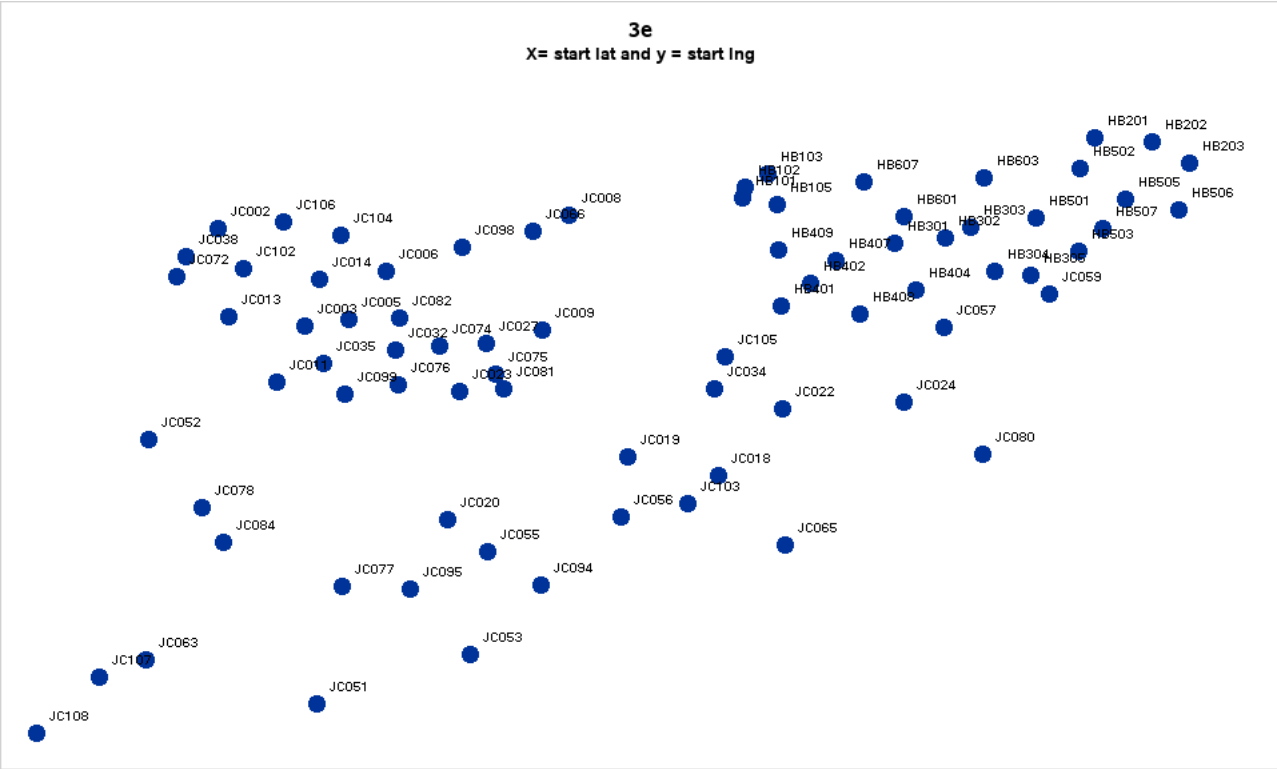


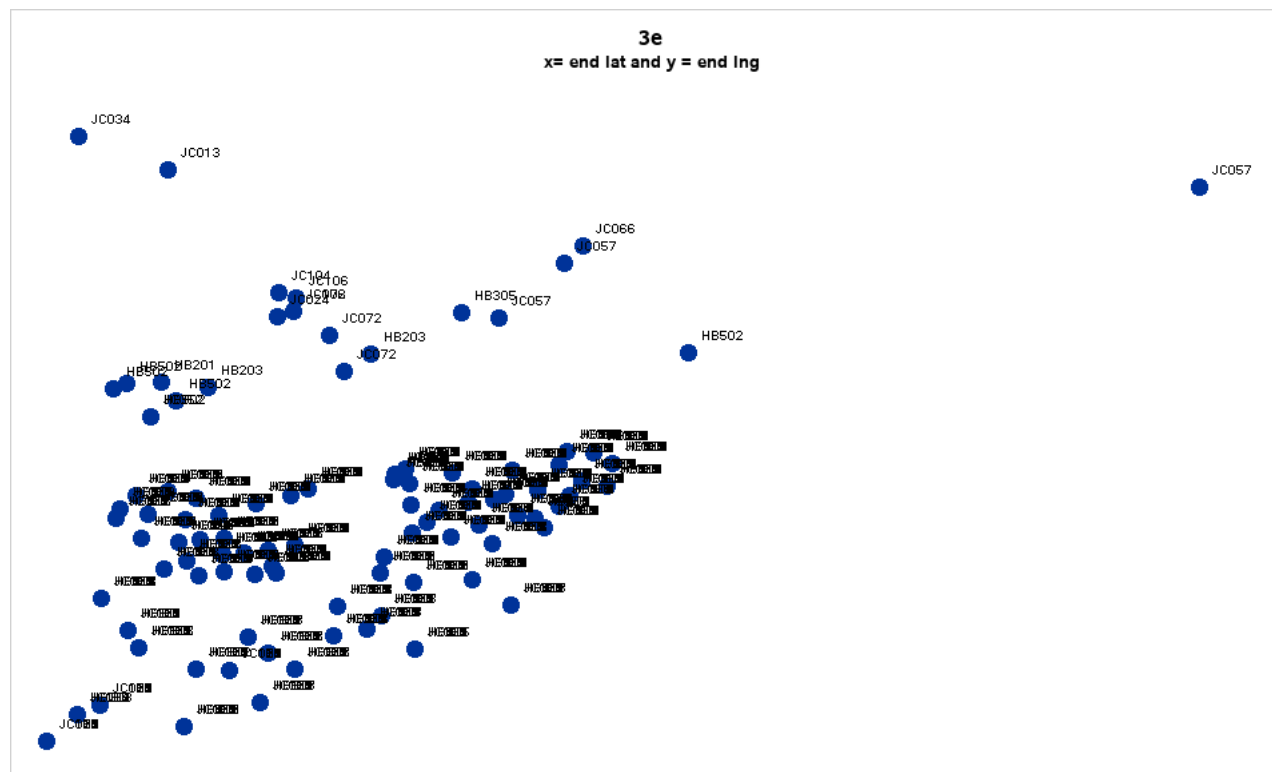




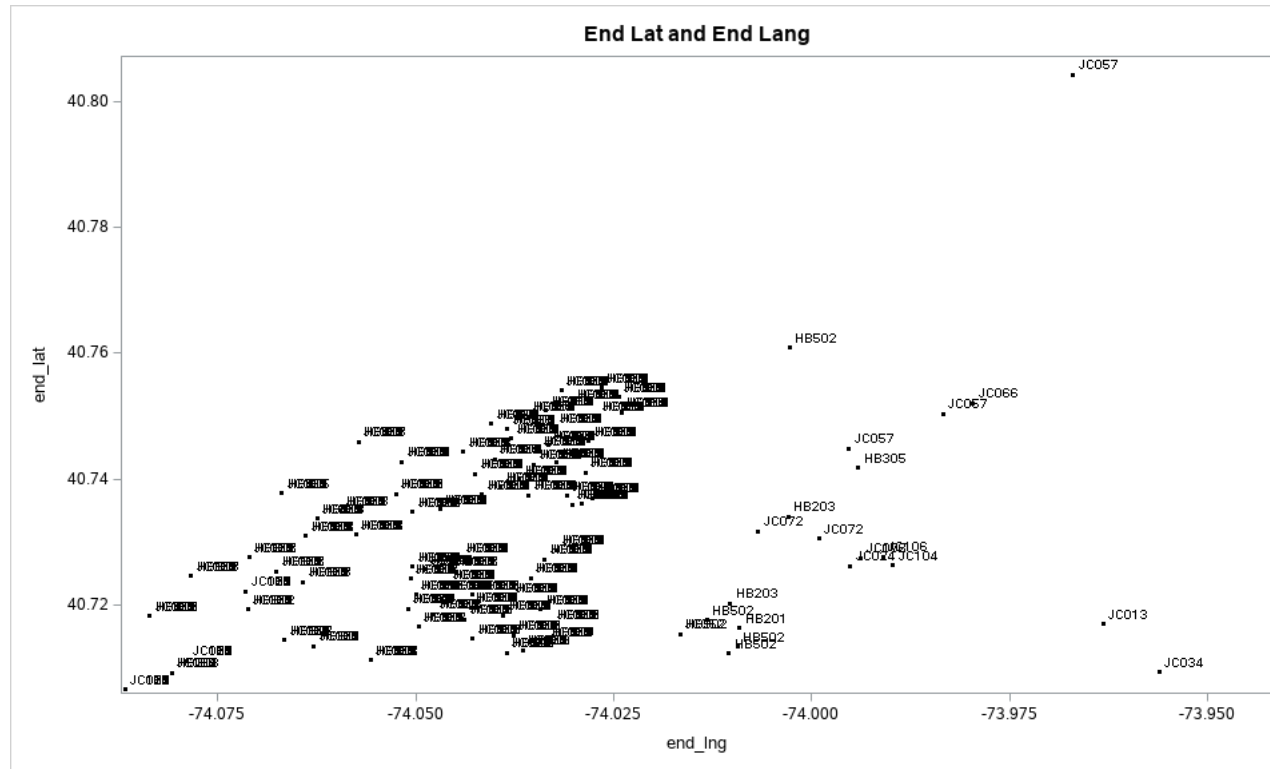
3e
Map of newyork and its counties







3e
x= End lat and y = end lng



3f
Frequency for start_station_name by member

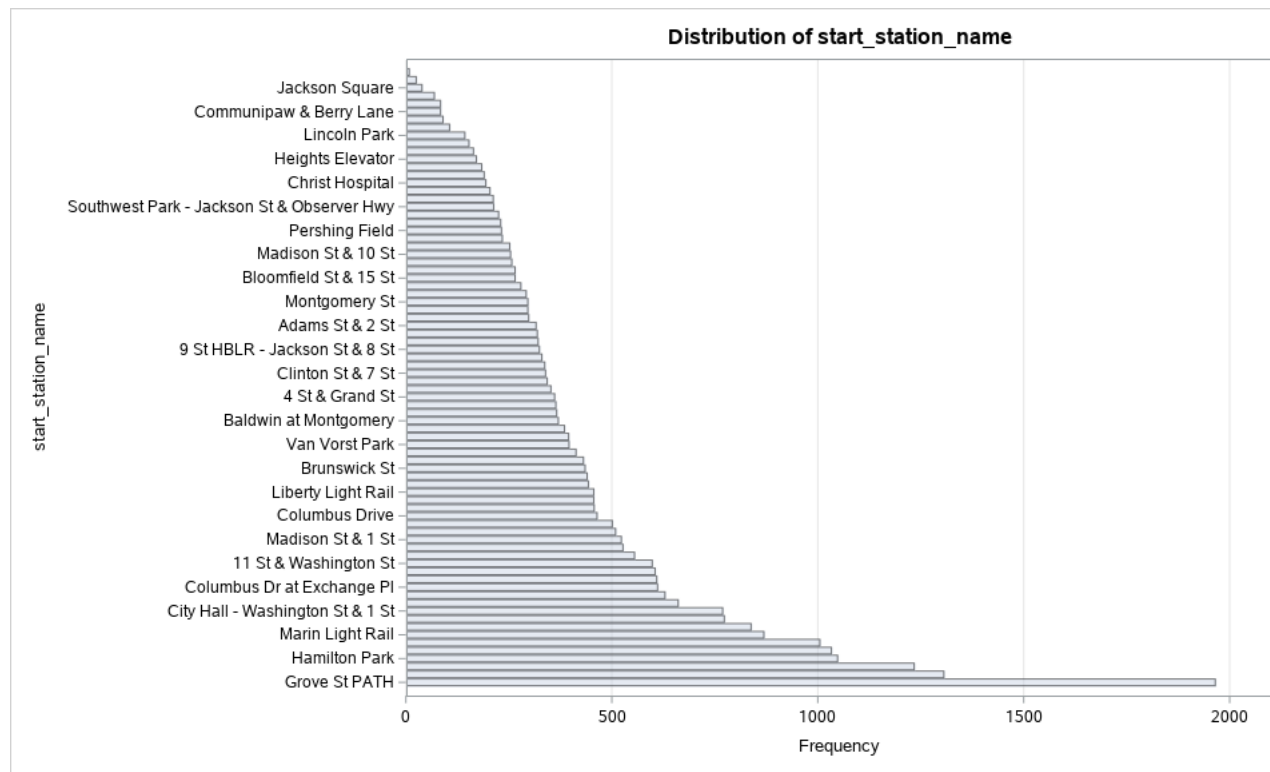
The FREQ Procedure

member_casual=member

start_station_name				
start_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Grove St PATH	1965	5.99	1965	5.99
Hoboken Terminal - River St & Hudson PI	1306	3.98	3271	9.98
Sip Ave	1234	3.76	4505	13.74
Hamilton Park	1048	3.20	5553	16.94
Newport PATH	1033	3.15	6586	20.09
Hoboken Terminal - Hudson St & Hudson PI	1005	3.07	7591	23.15
Marin Light Rail	869	2.65	8460	25.80
Newport Pkwy	838	2.56	9298	28.36
8 St & Washington St	773	2.36	10071	30.71
City Hall - Washington St & 1 St	769	2.35	10840	33.06
South Waterfront Walkway - Sinatra Dr & 1 St	661	2.02	11501	35.08

start_station_name				
start_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Harborside	629	1.92	12130	36.99
Columbus Dr at Exchange Pl	611	1.86	12741	38.86
Warren St	609	1.86	13350	40.71
City Hall	605	1.85	13955	42.56
11 St & Washington St	598	1.82	14553	44.38
Washington St	555	1.69	15108	46.08
Hoboken Ave at Monmouth St	527	1.61	15635	47.68
Madison St & 1 St	523	1.60	16158	49.28
Morris Canal	509	1.55	16667	50.83
Newark Ave	501	1.53	17168	52.36
Columbus Drive	464	1.42	17632	53.77
Hudson St & 4 St	457	1.39	18089	55.17
Grand St & 14 St	456	1.39	18545	56.56
Liberty Light Rail	456	1.39	19001	57.95
Grand St	443	1.35	19444	59.30
McGinley Square	440	1.34	19884	60.64
Brunswick St	435	1.33	20319	61.97
Brunswick & 6th	431	1.31	20750	63.28
Manila & 1st	413	1.26	21163	64.54
Van Vorst Park	396	1.21	21559	65.75
Paulus Hook	395	1.20	21954	66.96
Jersey & 3rd	385	1.17	22339	68.13
Baldwin at Montgomery	370	1.13	22709	69.26
Church Sq Park - 5 St & Park Ave	366	1.12	23075	70.37
Clinton St & Newark St	364	1.11	23439	71.48
4 St & Grand St	361	1.10	23800	72.59
14 St Ferry - 14 St & Shipyard Ln	352	1.07	24152	73.66
Bergen Ave	343	1.05	24495	74.70
Clinton St & 7 St	339	1.03	24834	75.74
Dixon Mills	337	1.03	25171	76.77
6 St & Grand St	330	1.01	25501	77.77
9 St HBLR - Jackson St & 8 St	324	0.99	25825	78.76
JC Medical Center	321	0.98	26146	79.74
Monmouth and 6th	319	0.97	26465	80.71
Adams St & 2 St	316	0.96	26781	81.68
Jersey & 6th St	298	0.91	27079	82.59
12 St & Sinatra Dr N	296	0.90	27375	83.49
Montgomery St	296	0.90	27671	84.39
7 St & Monroe St	292	0.89	27963	85.28
Willow Ave & 12 St	279	0.85	28242	86.13
Bloomfield St & 15 St	265	0.81	28507	86.94

start_station_name				
start_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Journal Square	265	0.81	28772	87.75
Glenwood Ave	257	0.78	29029	88.53
Madison St & 10 St	254	0.77	29283	89.31
Columbus Park - Clinton St & 9 St	252	0.77	29535	90.08
Lafayette Park	234	0.71	29769	90.79
Pershing Field	232	0.71	30001	91.50
Essex Light Rail	230	0.70	30231	92.20
Oakland Ave	225	0.69	30456	92.88
Southwest Park - Jackson St & Observer Hwy	213	0.65	30669	93.53
Hilltop	212	0.65	30881	94.18
Marshall St & 2 St	204	0.62	31085	94.80
Christ Hospital	194	0.59	31279	95.39
Riverview Park	190	0.58	31469	95.97
Adams St & 11 St	184	0.56	31653	96.54
Heights Elevator	171	0.52	31824	97.06
Astor Place	164	0.50	31988	97.56
Mama Johnson Field - 4 St & Jackson St	153	0.47	32141	98.02
Lincoln Park	143	0.44	32284	98.46
Leonard Gordon Park	106	0.32	32390	98.78
5 Corners Library	90	0.27	32480	99.06
Communipaw & Berry Lane	84	0.26	32564	99.31
Dey St	84	0.26	32648	99.57
Union St	69	0.21	32717	99.78
Jackson Square	39	0.12	32756	99.90
Bergen Ave & Stegman St	25	0.08	32781	99.98
Grant Ave & MLK Dr	8	0.02	32789	100.00



3g Frequency for start_station_name by Casual

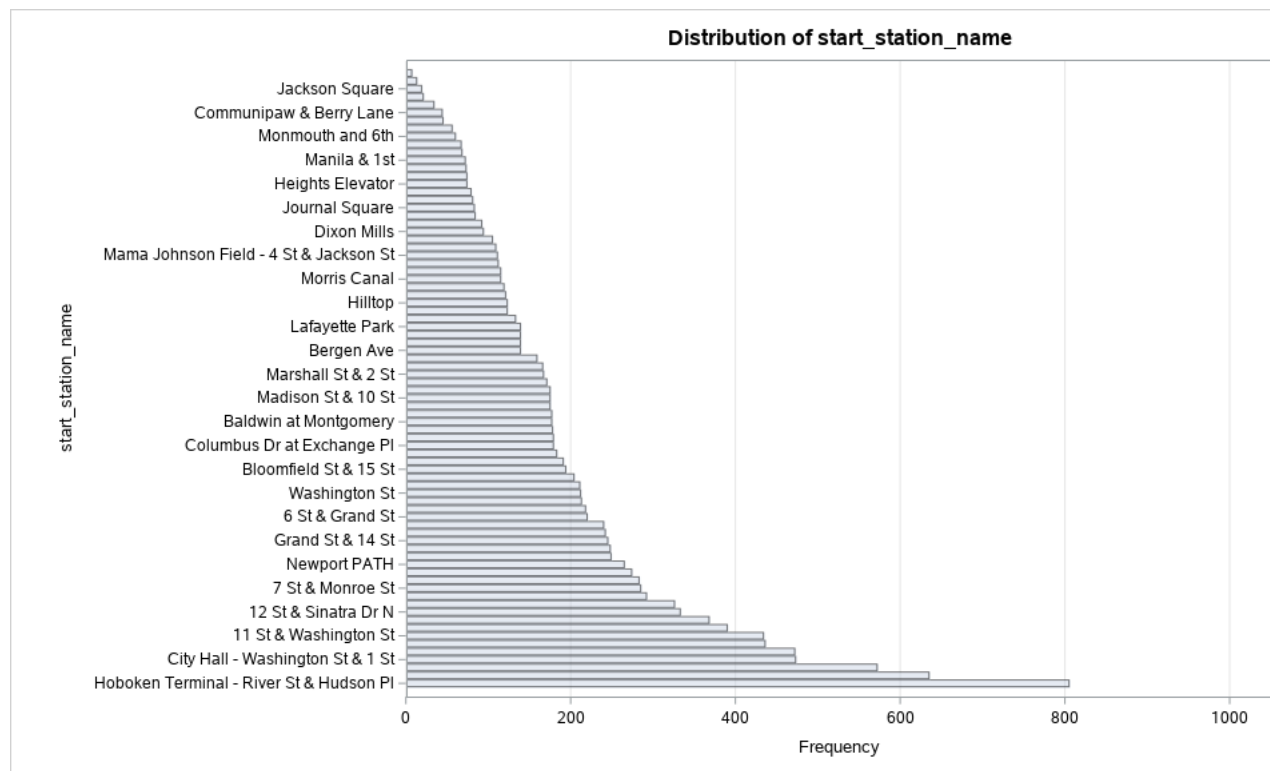
The FREQ Procedure

member_casual=casual

start_station_name				
start_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Hoboken Terminal - River St & Hudson Pl	805	5.41	805	5.41
Hoboken Terminal - Hudson St & Hudson Pl	635	4.27	1440	9.68
South Waterfront Walkway - Sinatra Dr & 1 St	572	3.85	2012	13.53
City Hall - Washington St & 1 St	473	3.18	2485	16.71
Hoboken Ave at Monmouth St	472	3.17	2957	19.88
Sip Ave	436	2.93	3393	22.81
11 St & Washington St	434	2.92	3827	25.73
Grove St PATH	390	2.62	4217	28.35
Newport Pkwy	368	2.47	4585	30.83
12 St & Sinatra Dr N	333	2.24	4918	33.07

start_station_name				
start_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
14 St Ferry - 14 St & Shipyard Ln	326	2.19	5244	35.26
Hudson St & 4 St	292	1.96	5536	37.22
7 St & Monroe St	285	1.92	5821	39.14
Church Sq Park - 5 St & Park Ave	283	1.90	6104	41.04
8 St & Washington St	274	1.84	6378	42.88
Newport PATH	265	1.78	6643	44.66
Madison St & 1 St	249	1.67	6892	46.34
Clinton St & Newark St	248	1.67	7140	48.01
Grand St & 14 St	245	1.65	7385	49.65
Hamilton Park	242	1.63	7627	51.28
Adams St & 2 St	240	1.61	7867	52.89
6 St & Grand St	220	1.48	8087	54.37
Marin Light Rail	218	1.47	8305	55.84
9 St HBLR - Jackson St & 8 St	213	1.43	8518	57.27
Washington St	212	1.43	8730	58.70
McGinley Square	211	1.42	8941	60.12
Liberty Light Rail	204	1.37	9145	61.49
Bloomfield St & 15 St	194	1.30	9339	62.79
Clinton St & 7 St	191	1.28	9530	64.08
4 St & Grand St	183	1.23	9713	65.31
Columbus Dr at Exchange Pl	179	1.20	9892	66.51
Columbus Park - Clinton St & 9 St	179	1.20	10071	67.71
Southwest Park - Jackson St & Observer Hwy	178	1.20	10249	68.91
Baldwin at Montgomery	177	1.19	10426	70.10
Willow Ave & 12 St	177	1.19	10603	71.29
City Hall	175	1.18	10778	72.47
Madison St & 10 St	175	1.18	10953	73.64
Pershing Field	175	1.18	11128	74.82
Newark Ave	171	1.15	11299	75.97
Marshall St & 2 St	167	1.12	11466	77.09
Warren St	166	1.12	11632	78.21
Harborside	159	1.07	11791	79.28
Bergen Ave	139	0.93	11930	80.21
Christ Hospital	139	0.93	12069	81.15
Columbus Drive	139	0.93	12208	82.08
Lafayette Park	139	0.93	12347	83.02
JC Medical Center	133	0.89	12480	83.91
Grand St	123	0.83	12603	84.74
Hilltop	123	0.83	12726	85.56
Brunswick St	121	0.81	12847	86.38
Paulus Hook	119	0.80	12966	87.18

start_station_name				
start_station_name	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Morris Canal	115	0.77	13081	87.95
Van Vorst Park	115	0.77	13196	88.72
Riverview Park	112	0.75	13308	89.48
Mama Johnson Field - 4 St & Jackson St	111	0.75	13419	90.22
Oakland Ave	109	0.73	13528	90.96
Adams St & 11 St	105	0.71	13633	91.66
Dixon Mills	94	0.63	13727	92.29
Brunswick & 6th	92	0.62	13819	92.91
Astor Place	84	0.56	13903	93.48
Journal Square	83	0.56	13986	94.04
Lincoln Park	81	0.54	14067	94.58
Glenwood Ave	79	0.53	14146	95.11
Heights Elevator	74	0.50	14220	95.61
Montgomery St	74	0.50	14294	96.11
Jersey & 6th St	73	0.49	14367	96.60
Manila & 1st	72	0.48	14439	97.08
Essex Light Rail	68	0.46	14507	97.54
Jersey & 3rd	67	0.45	14574	97.99
Monmouth and 6th	60	0.40	14634	98.39
Leonard Gordon Park	56	0.38	14690	98.77
Union St	45	0.30	14735	99.07
Communipaw & Berry Lane	44	0.30	14779	99.37
5 Corners Library	34	0.23	14813	99.60
Bergen Ave & Stegman St	21	0.14	14834	99.74
Jackson Square	19	0.13	14853	99.87
Dey St	13	0.09	14866	99.95
Grant Ave & MLK Dr	7	0.05	14873	100.00



3h

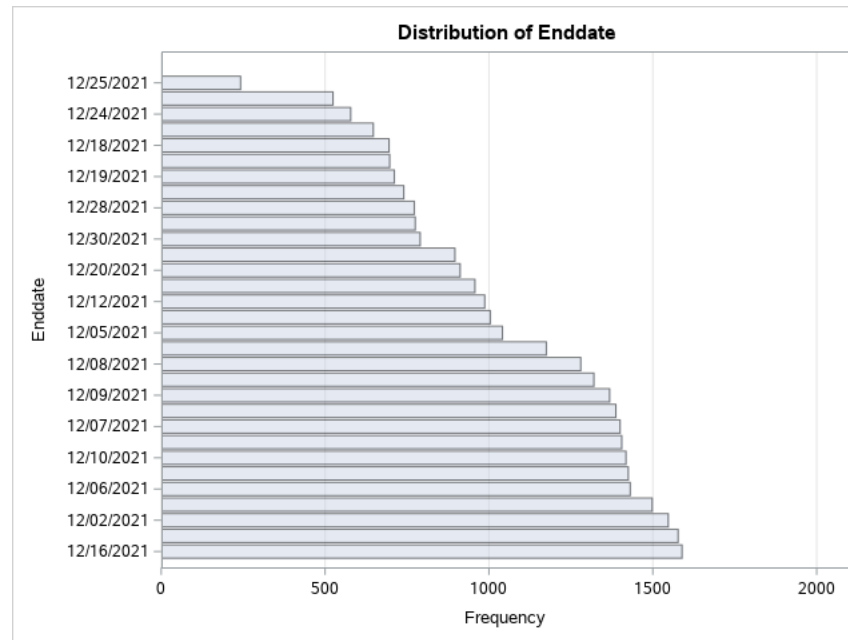
Member Customers commonly return or dock bikes

The FREQ Procedure

member_casual=member

Enddate	Frequency	Percent	Cumulative Frequency	Cumulative Percent
12/16/2021	1589	4.85	1589	4.85
12/17/2021	1577	4.81	3166	9.66
12/02/2021	1547	4.72	4713	14.37
12/15/2021	1498	4.57	6211	18.94
12/06/2021	1431	4.36	7642	23.31
12/14/2021	1425	4.35	9067	27.65
12/10/2021	1418	4.32	10485	31.98
12/01/2021	1405	4.28	11890	36.26
12/07/2021	1400	4.27	13290	40.53
12/03/2021	1387	4.23	14677	44.76
12/09/2021	1368	4.17	16045	48.93

Enddate	Frequency	Percent	Cumulative Frequency	Cumulative Percent
12/13/2021	1320	4.03	17365	52.96
12/08/2021	1280	3.90	18645	56.86
12/04/2021	1175	3.58	19820	60.45
12/05/2021	1041	3.17	20861	63.62
12/11/2021	1004	3.06	21865	66.68
12/12/2021	987	3.01	22852	69.69
12/21/2021	957	2.92	23809	72.61
12/20/2021	912	2.78	24721	75.39
12/31/2021	896	2.73	25617	78.13
12/30/2021	790	2.41	26407	80.54
12/22/2021	775	2.36	27182	82.90
12/28/2021	772	2.35	27954	85.25
12/29/2021	740	2.26	28694	87.51
12/19/2021	711	2.17	29405	89.68
12/23/2021	697	2.13	30102	91.81
12/18/2021	695	2.12	30797	93.92
12/27/2021	647	1.97	31444	95.90
12/24/2021	578	1.76	32022	97.66
12/26/2021	524	1.60	32546	99.26
12/25/2021	242	0.74	32788	100.00
01/01/2022	1	0.00	32789	100.00

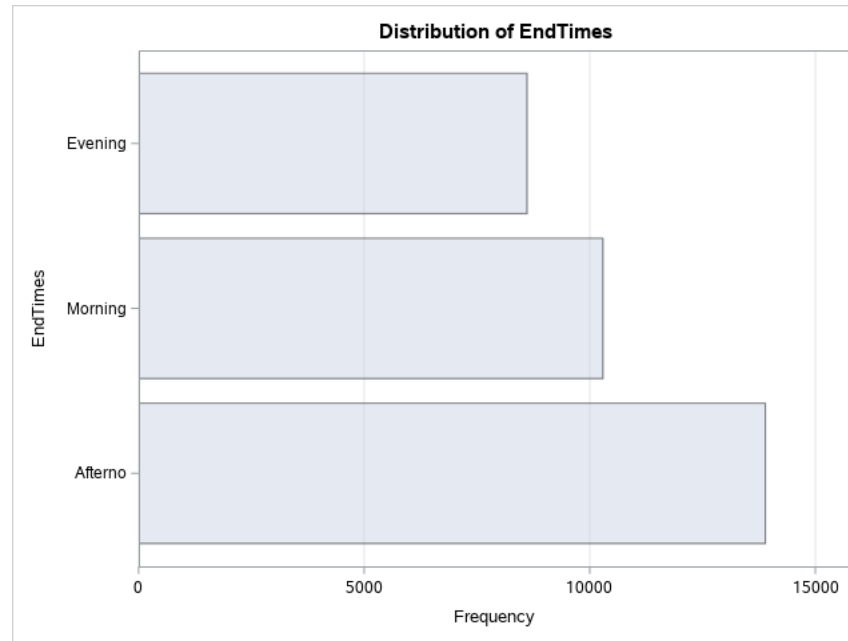


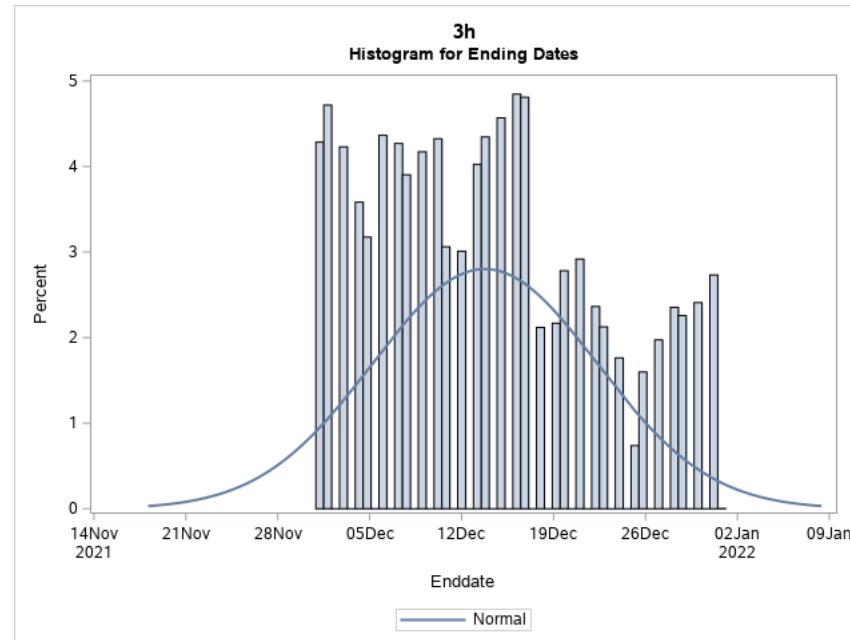
3h
Frequency for ending times

The FREQ Procedure

member_casual=member

EndTimes	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Afterno	13891	42.36	13891	42.36
Morning	10290	31.38	24181	73.75
Evening	8608	26.25	32789	100.00





3i
Difference of member_casual in start_station_name

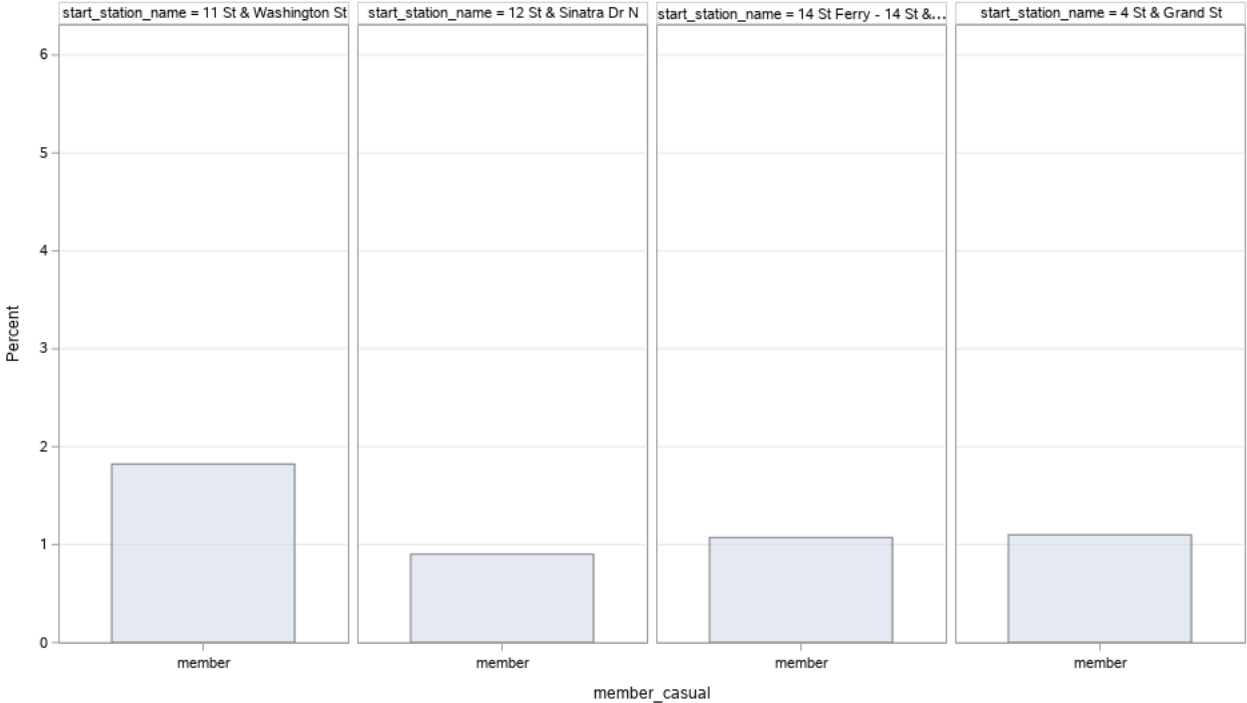
The FREQ Procedure

Frequency Percent Row Pct Col Pct															
	11 St & Washington St	12 St & Sinatra Dr N	14 St Ferry - 14 St & Shipyard Ln	4 St & Grand St	5 Corners Library	6 St & Grand St	7 St & Monroe St	8 St & Washington St	9 St HBLR - Jackson St & 8 St	Adams St & 11 St	Adams St & 2 St	Astor Place	Baldwin at Montgomery	Bergen Ave	Bergen Ave & Stegman St
member_casual(member_casual)															
member	598	296	352	361	90	330	292	773	324	184	316	164	370	343	25
	1.82	0.90	1.07	1.10	0.27	1.01	0.89	2.36	0.99	0.56	0.96	0.50	1.13	1.05	0.08
	1.82	0.90	1.07	1.10	0.27	1.01	0.89	2.36	0.99	0.56	0.96	0.50	1.13	1.05	0.08
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Total	598	296	352	361	90	330	292	773	324	184	316	164	370	343	25
	1.82	0.90	1.07	1.10	0.27	1.01	0.89	2.36	0.99	0.56	0.96	0.50	1.13	1.05	0.08

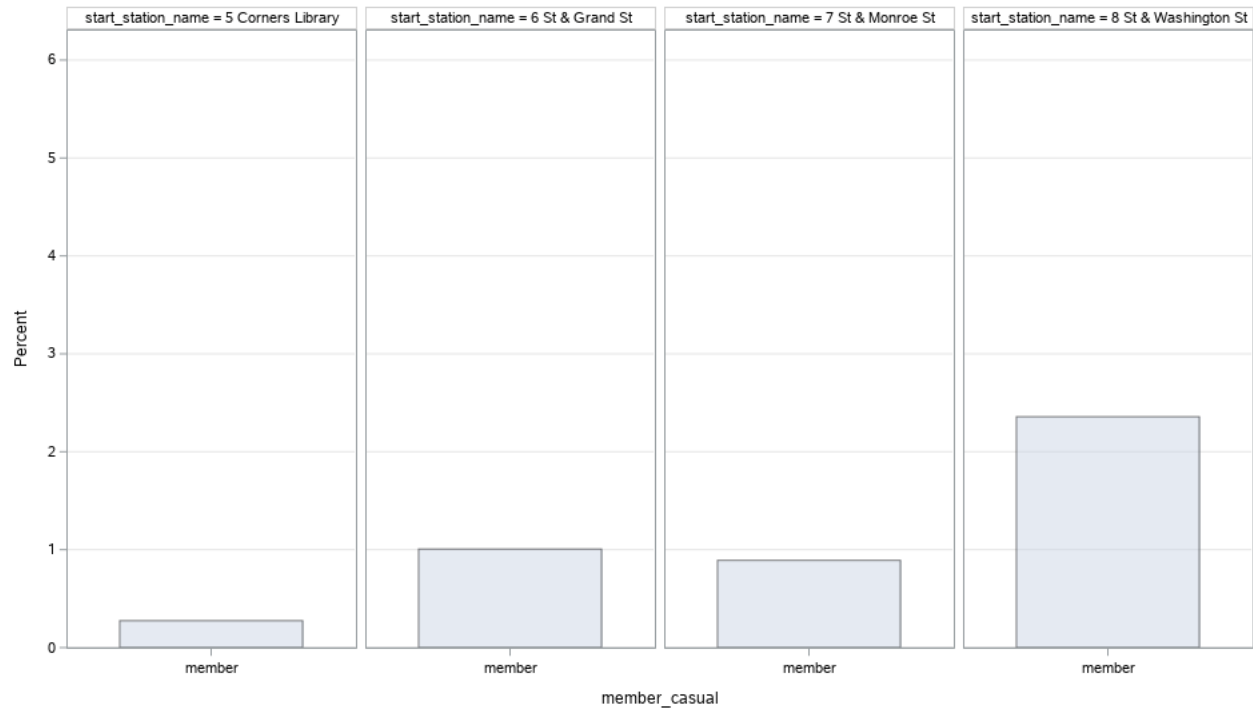
3i
Difference of member_casual in start_station_name

The FREQ Procedure

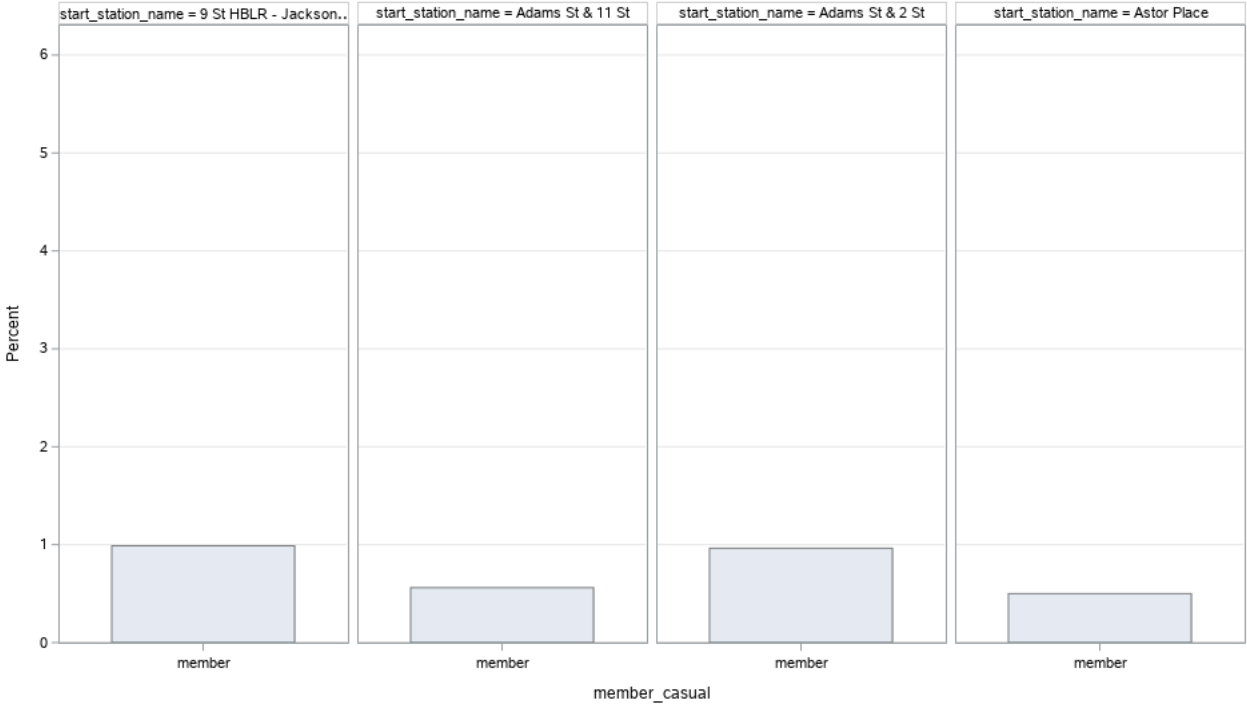
Distribution of member_casual by start_station_name



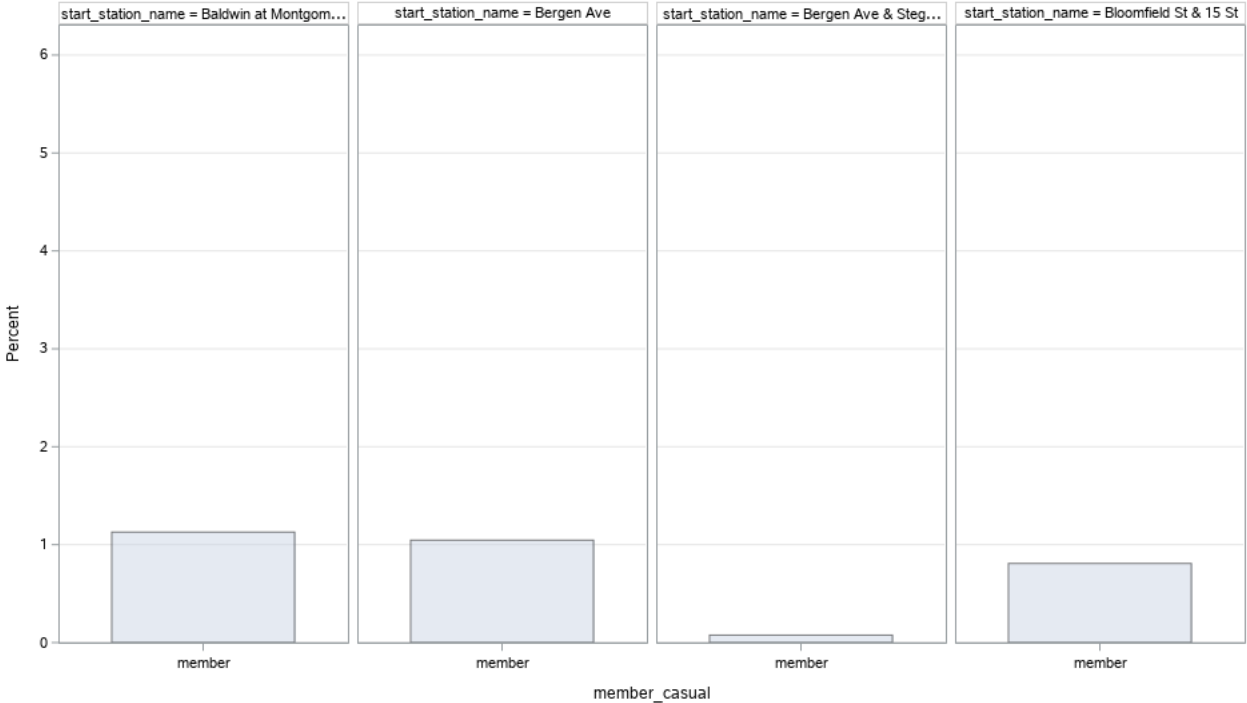
Distribution of member_casual by start_station_name



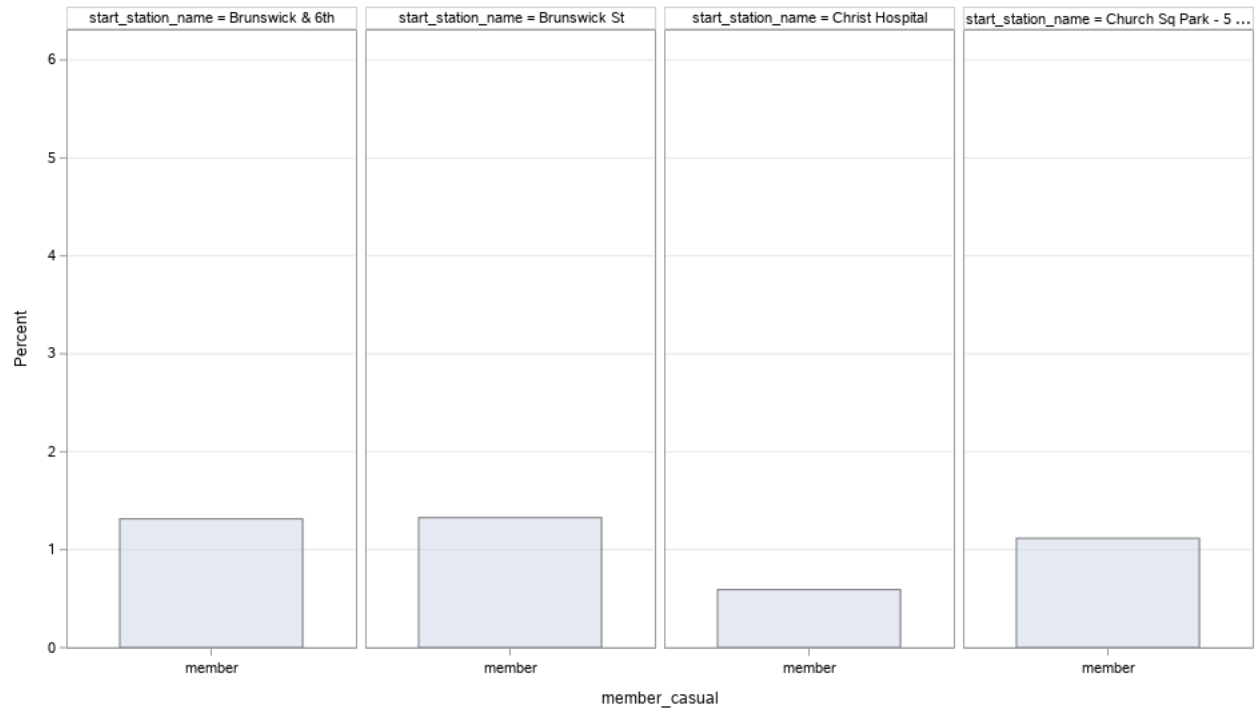
Distribution of member_casual by start_station_name

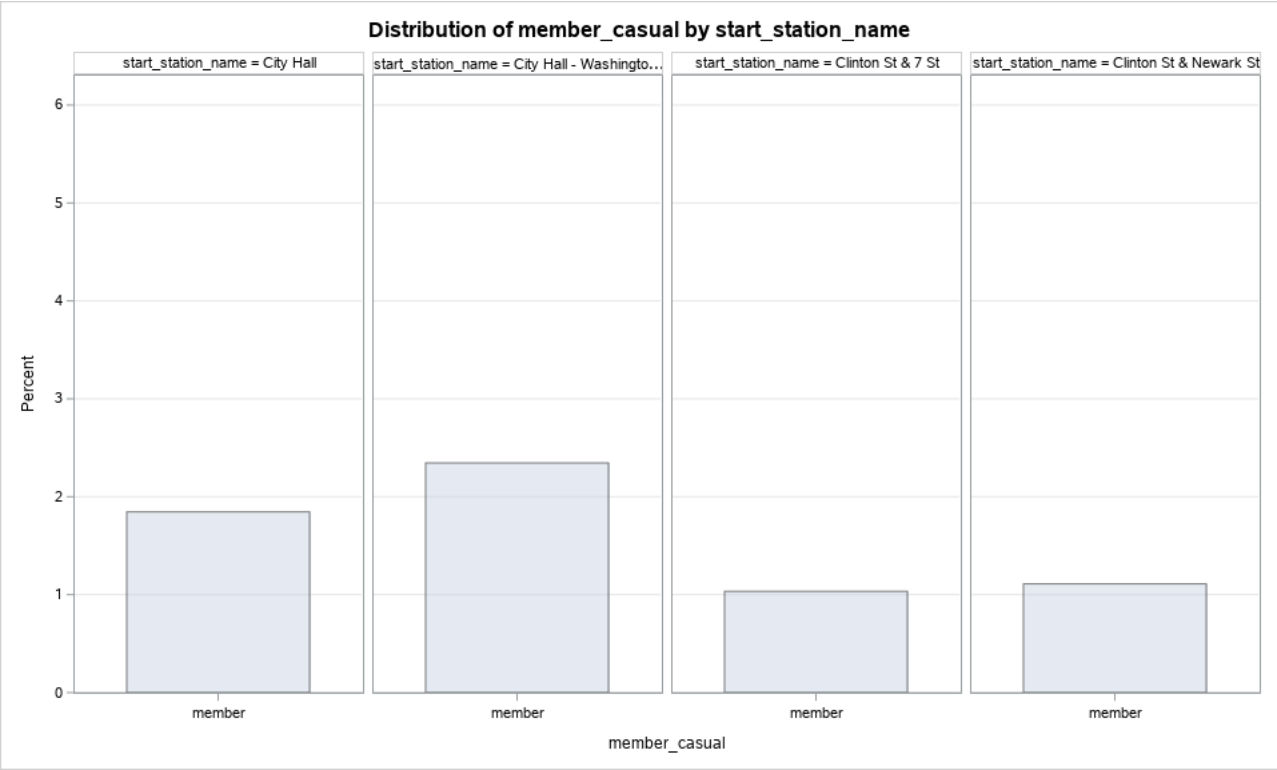


Distribution of member_casual by start_station_name

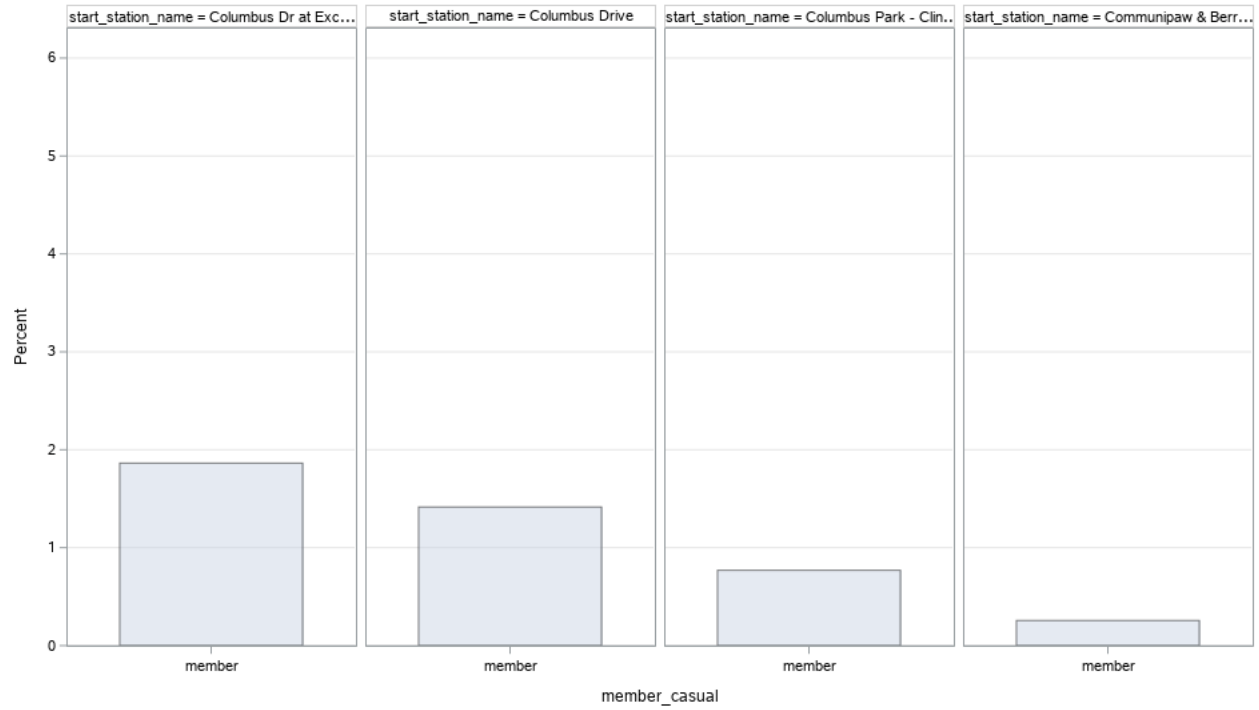


Distribution of member_casual by start_station_name

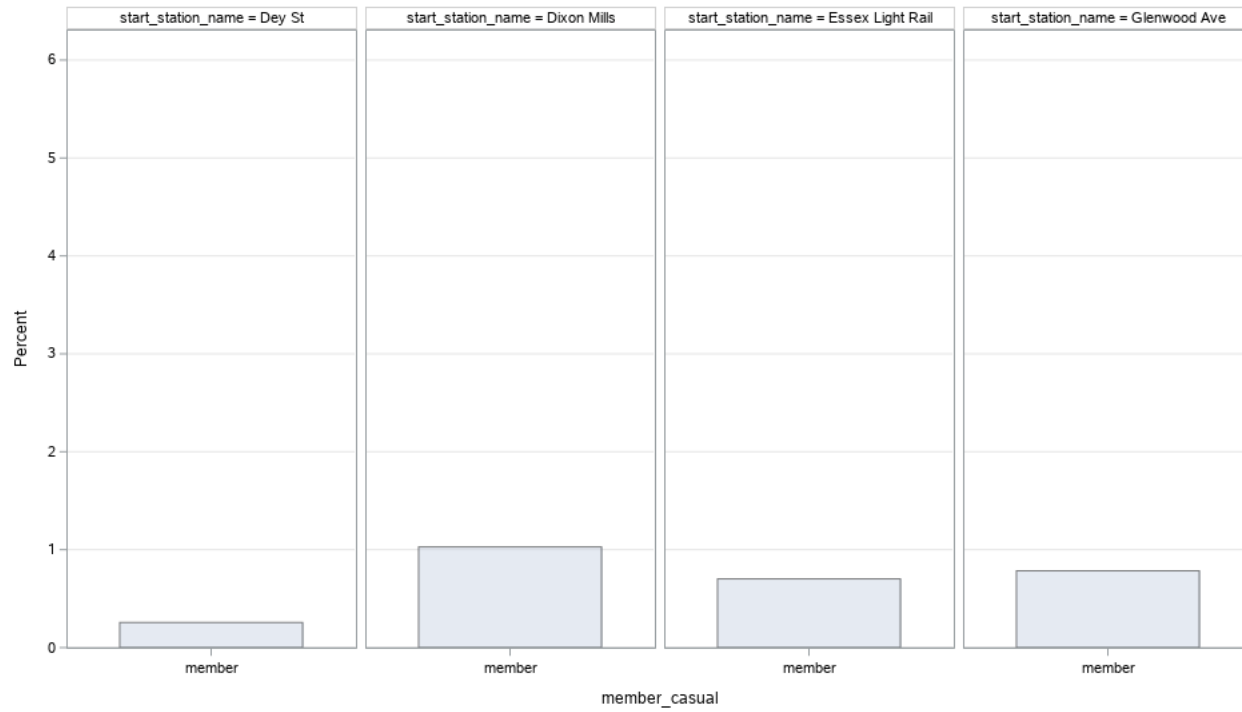




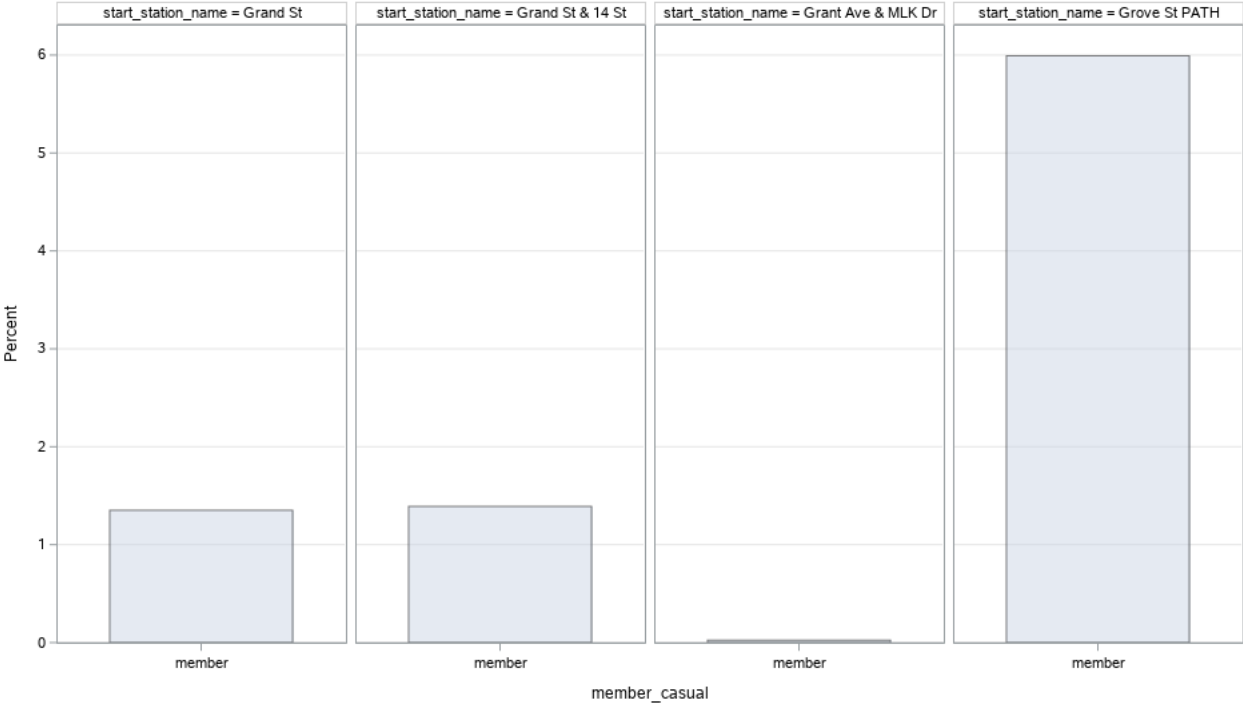
Distribution of member_casual by start_station_name

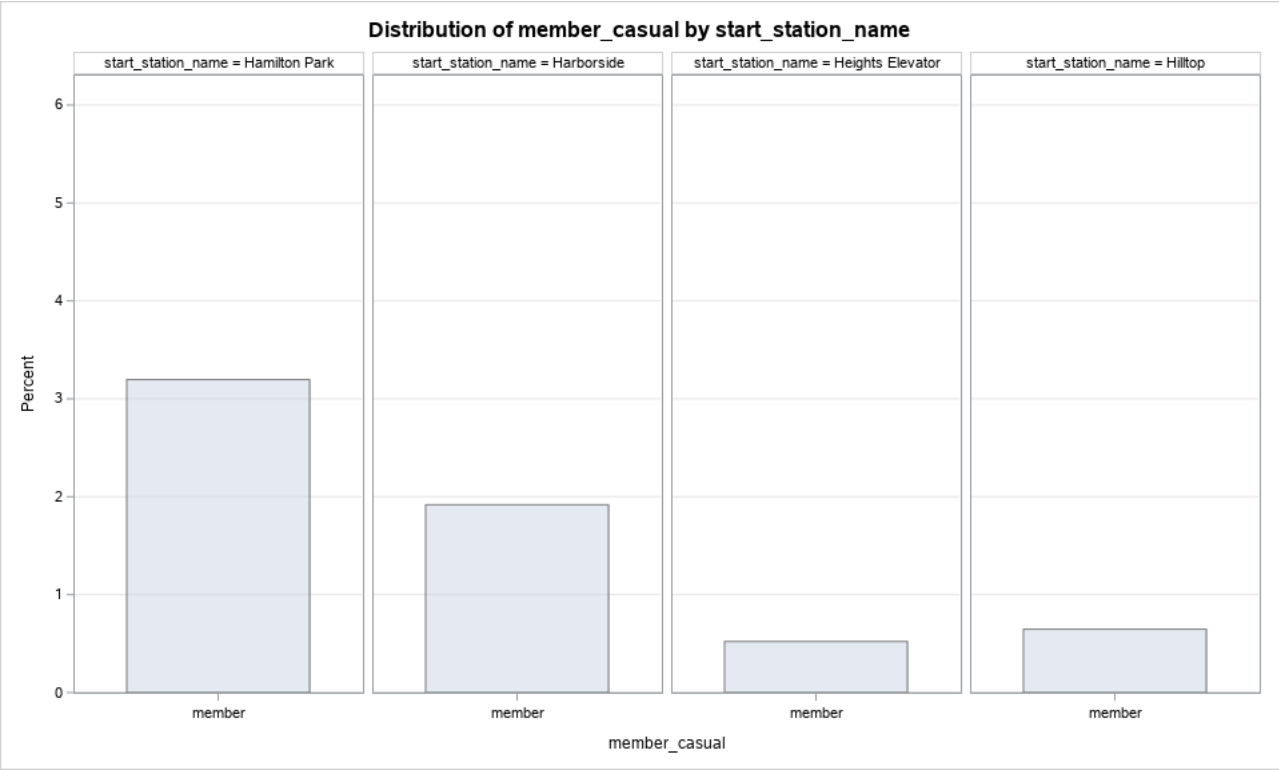


Distribution of member_casual by start_station_name

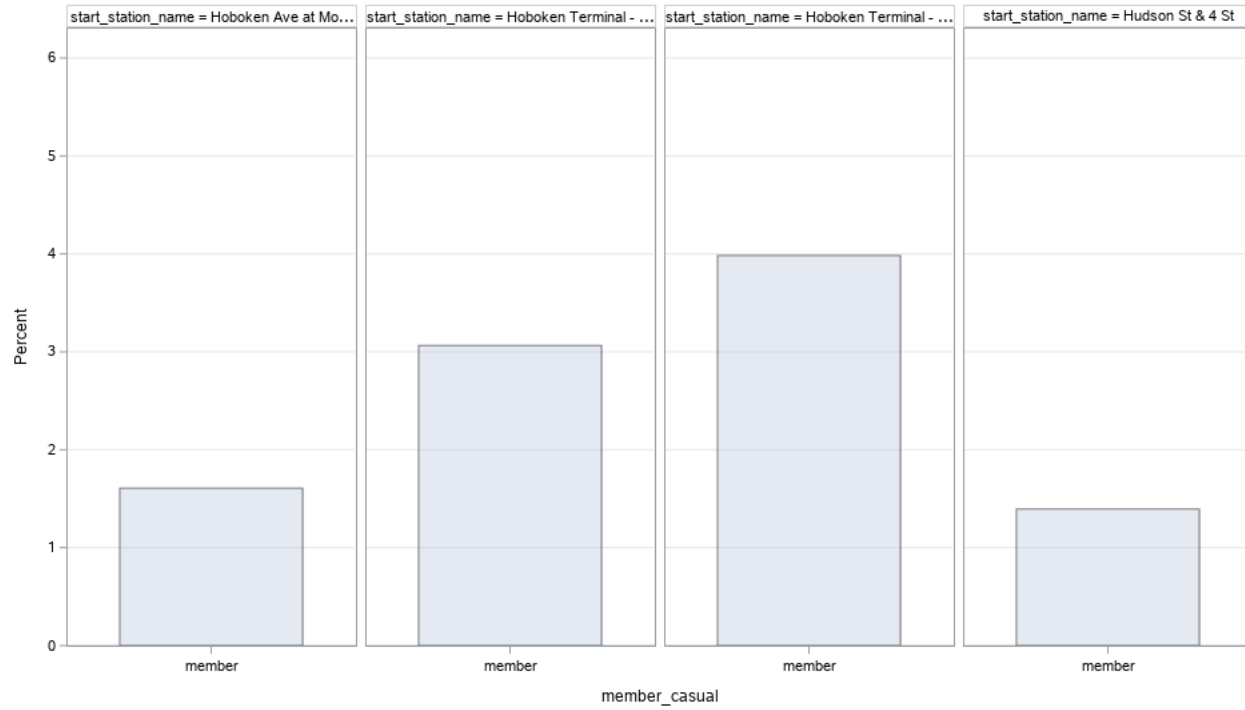


Distribution of member_casual by start_station_name

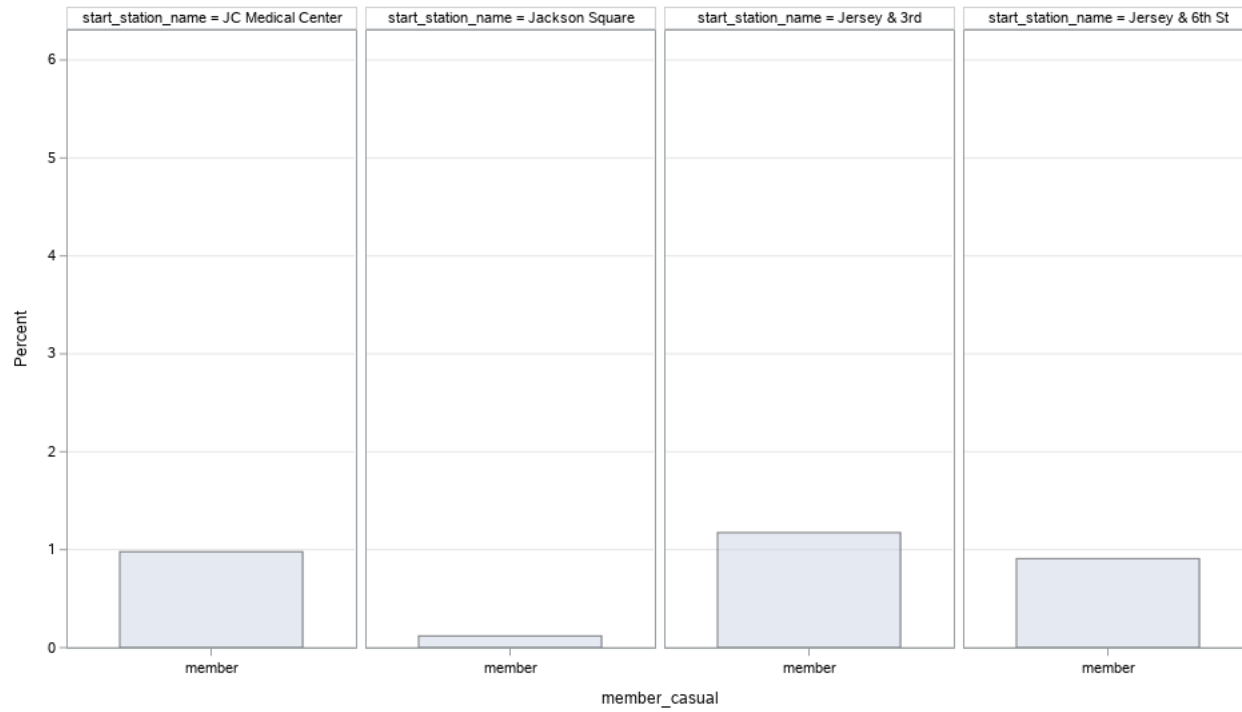




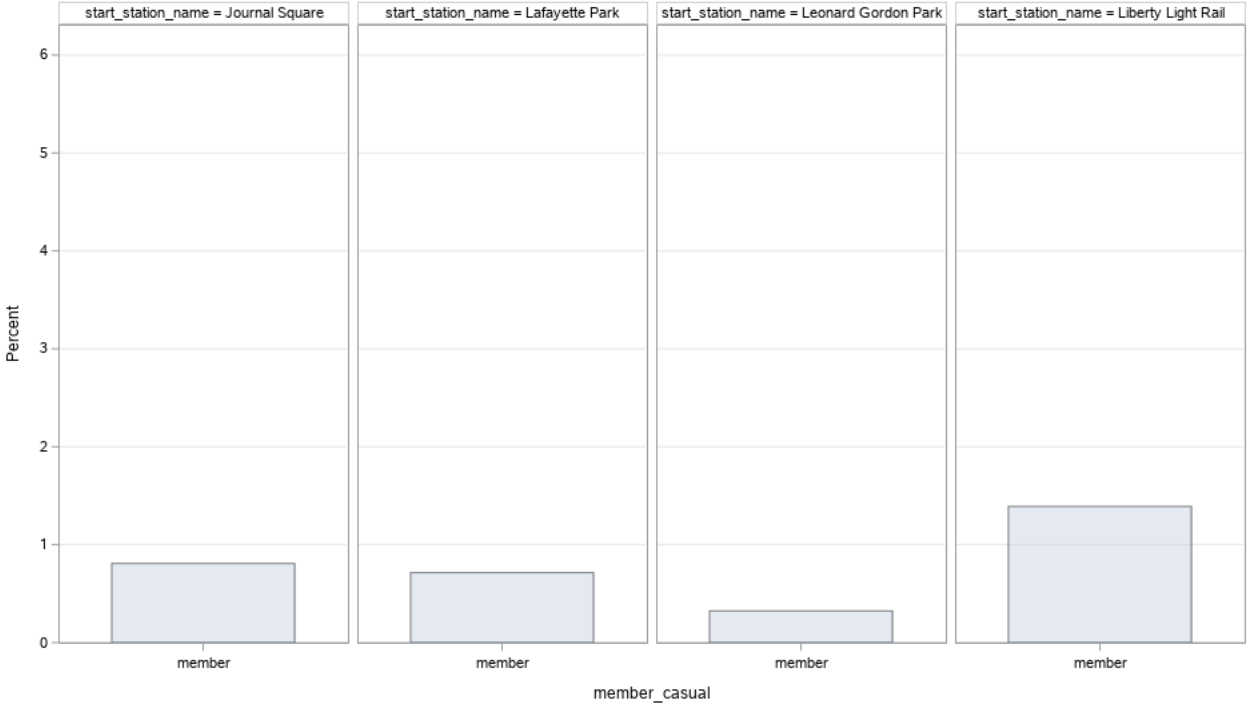
Distribution of member_casual by start_station_name



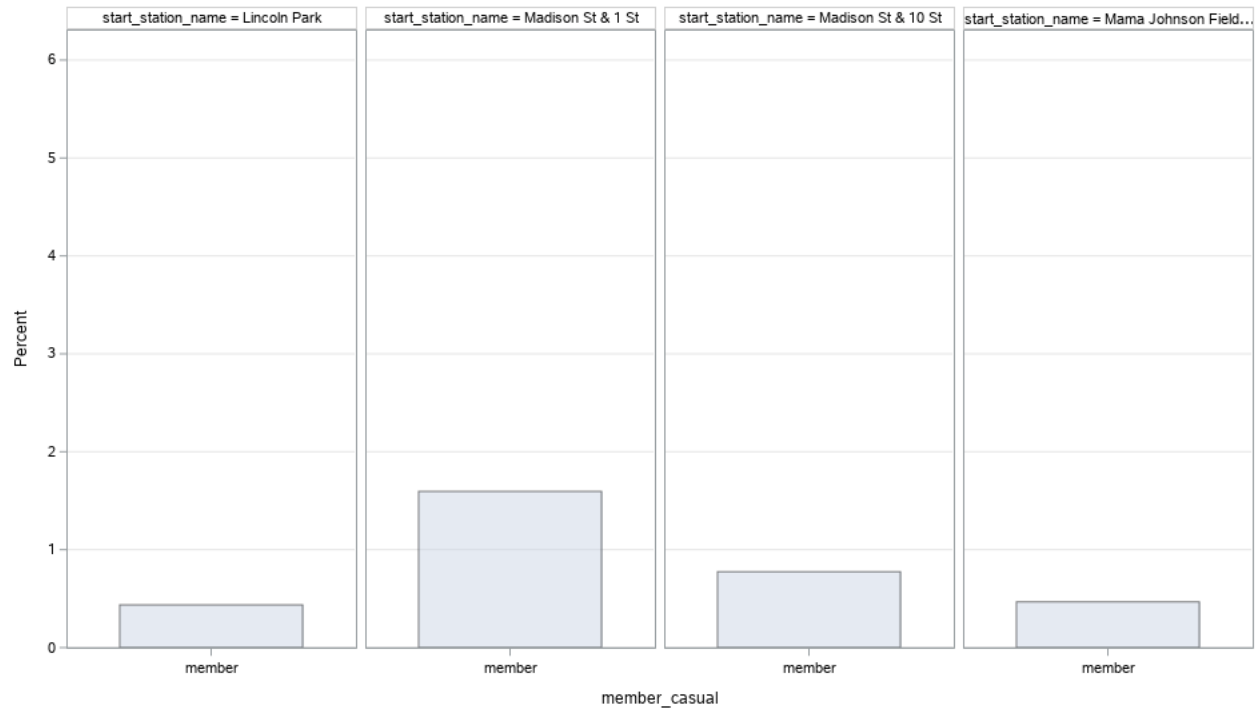
Distribution of member_casual by start_station_name

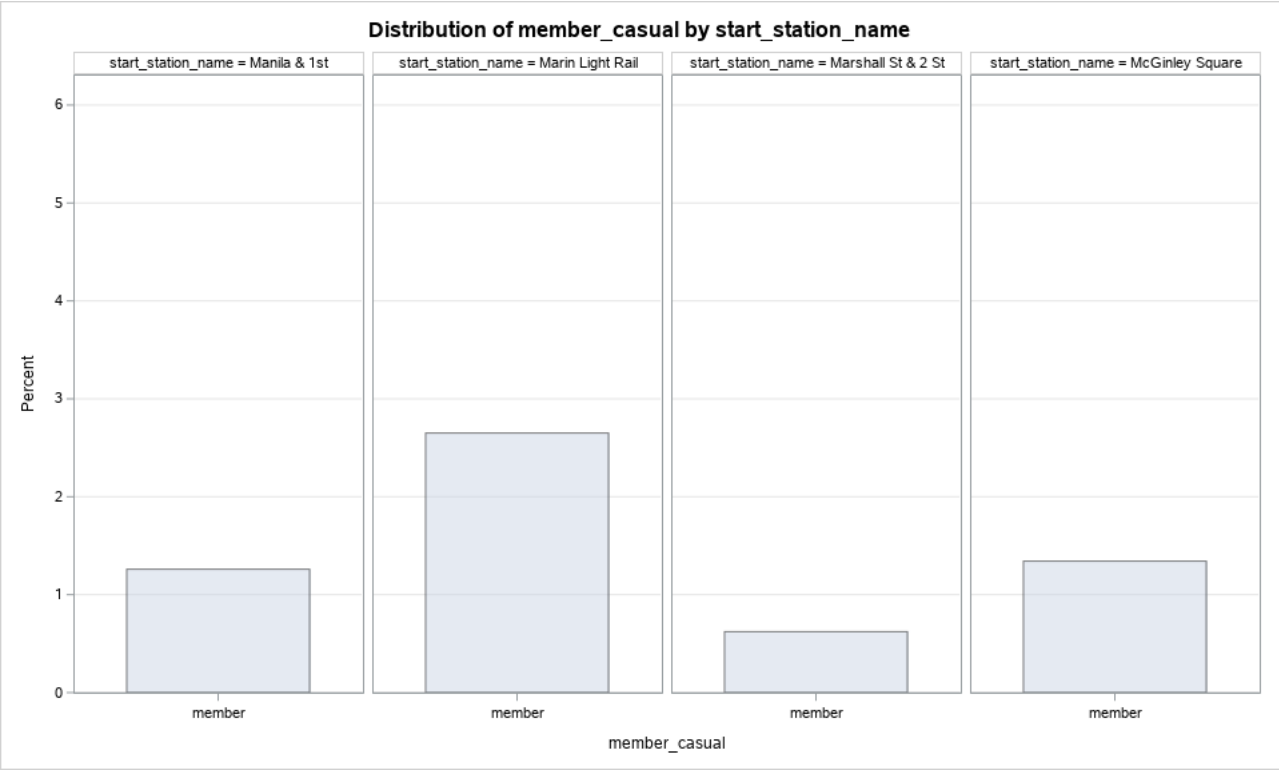


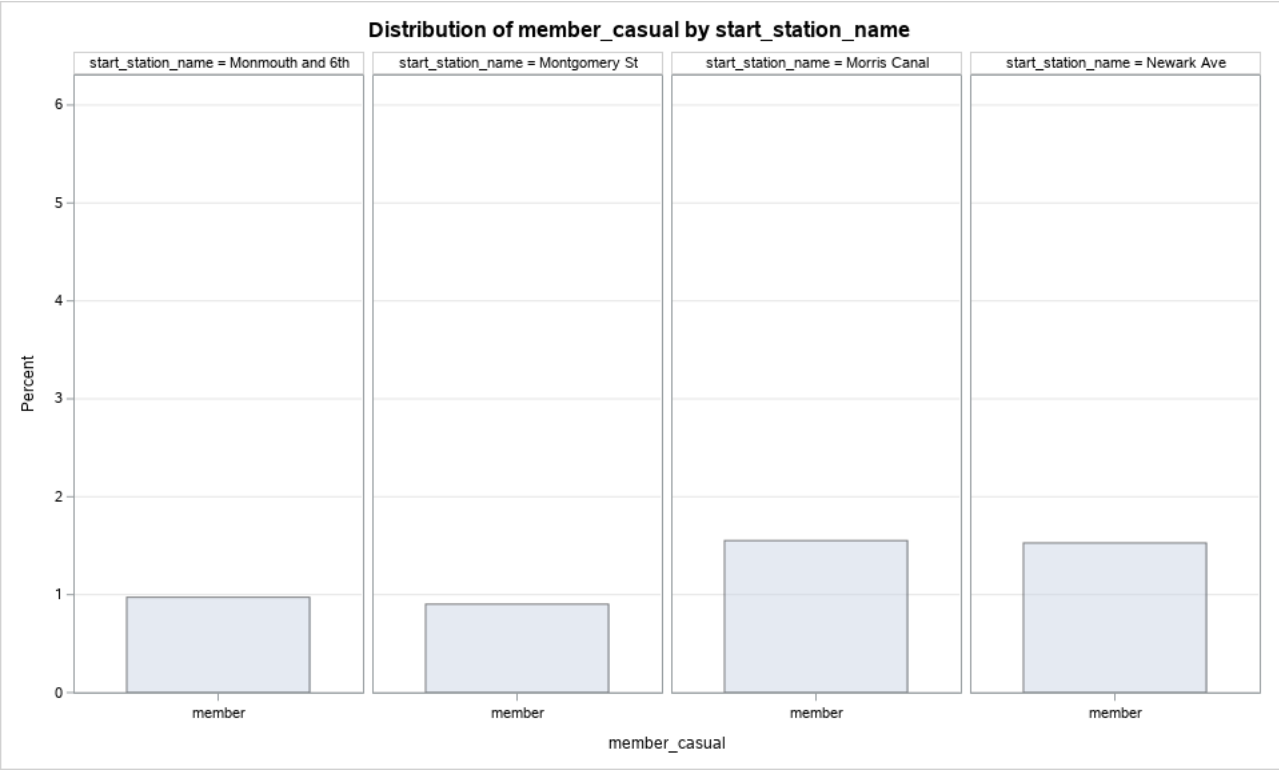
Distribution of member_casual by start_station_name



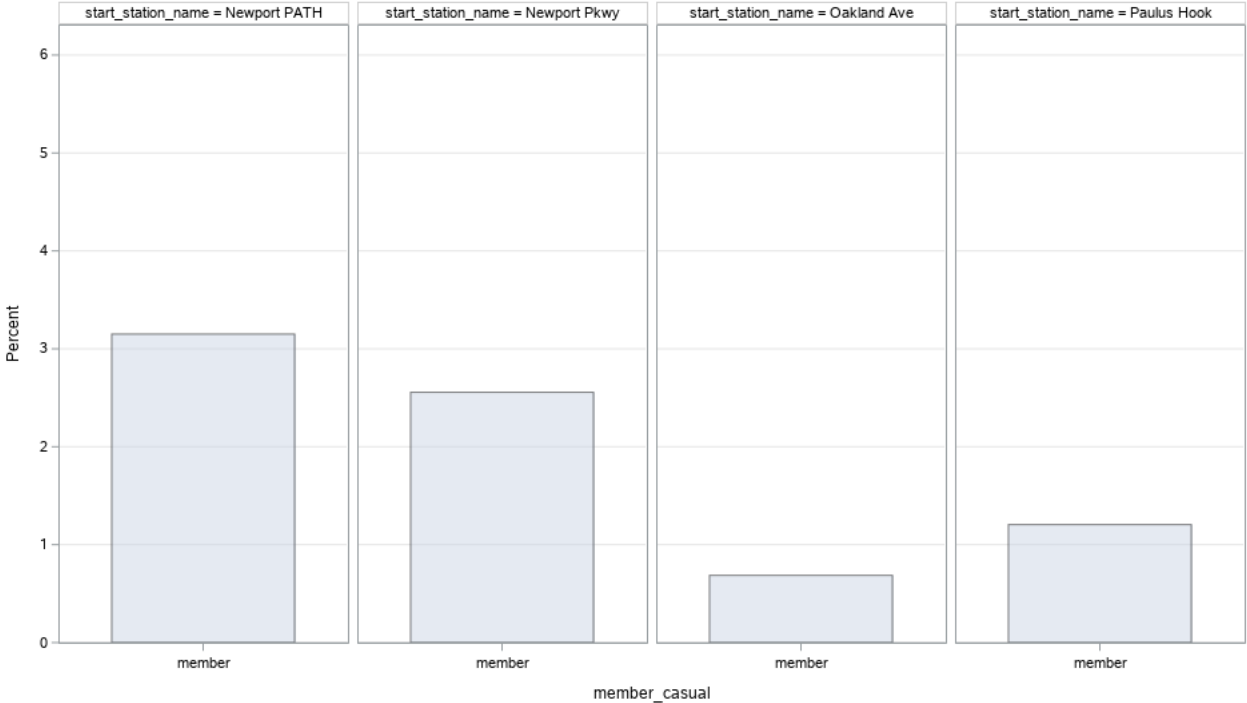
Distribution of member_casual by start_station_name



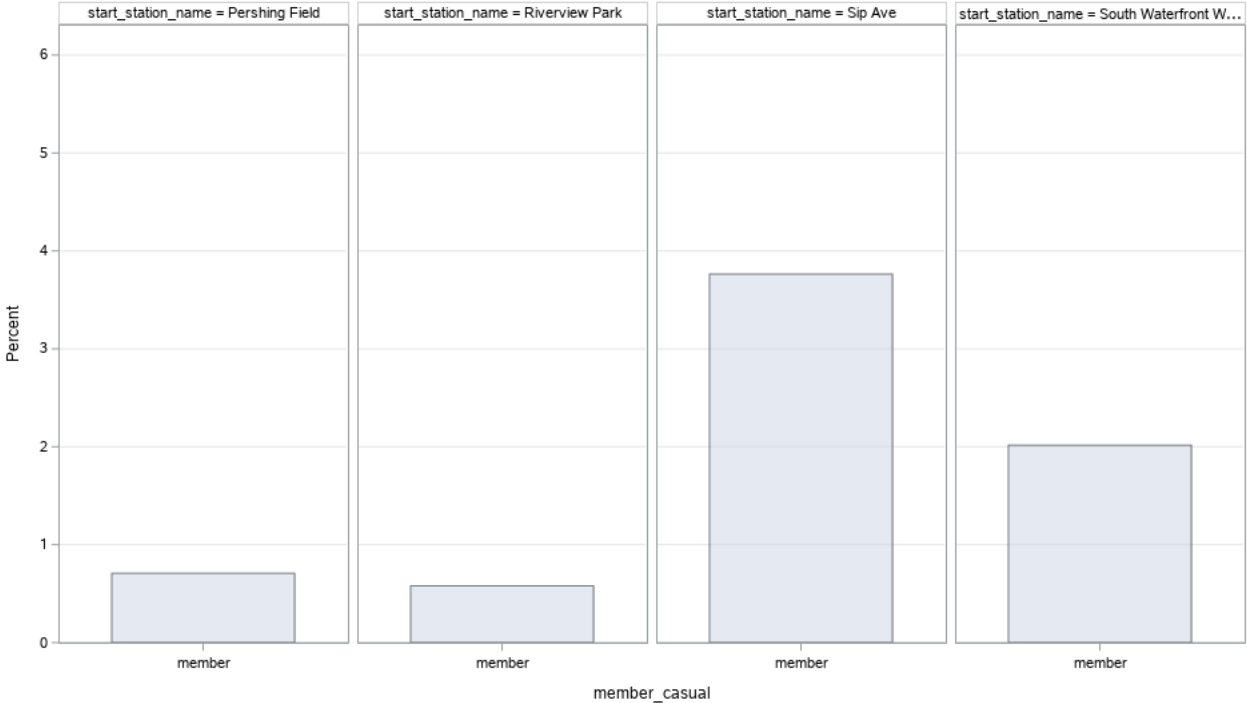




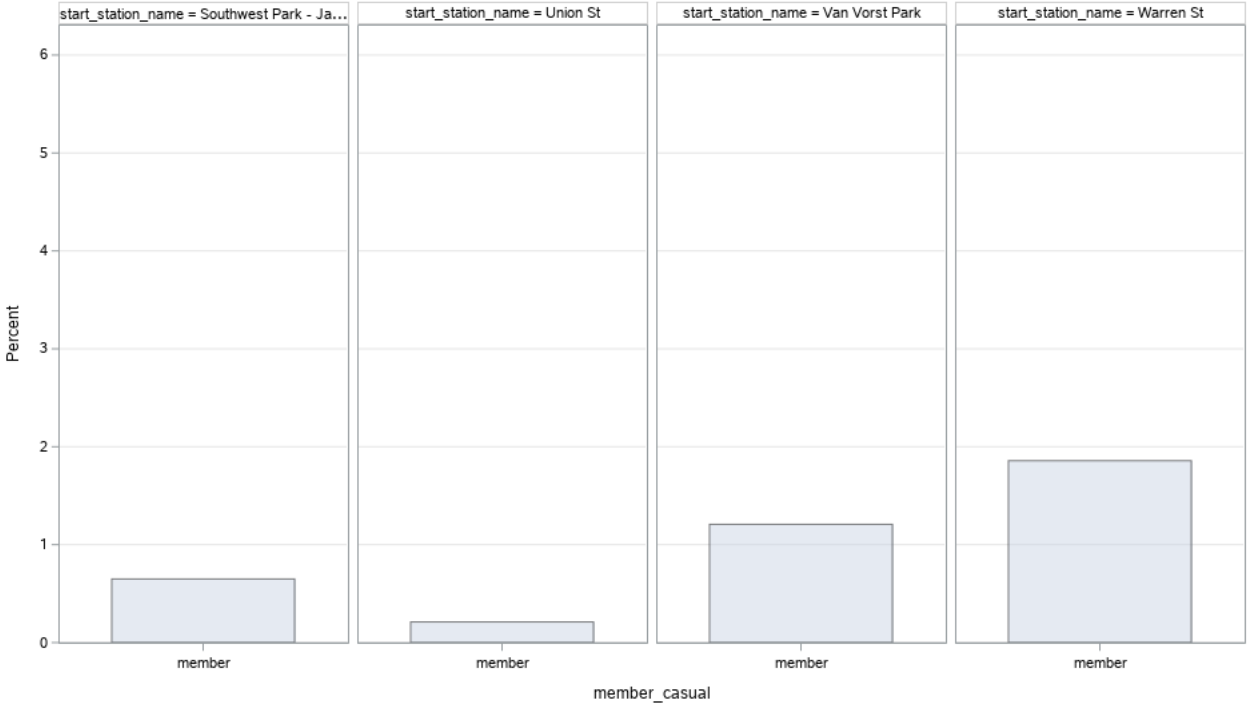
Distribution of member_casual by start_station_name



Distribution of member_casual by start_station_name



Distribution of member_casual by start_station_name



Distribution of member_casual by start_station_name

