

Max Brake Pedal Position Bucket Analysis Report

Report Summary:

- Bucket Type: Max Brake Pedal Position
 - Total Buckets: 17
- Date Range: 2025-08-01 to 2025-10-15

This report contains three tables showing:

1. Median statistics for each bucket
2. 95th percentile statistics for each bucket
3. 99th percentile statistics for each bucket

Each table shows:

- Bucket range
- Total events in the bucket
- Median/95th/99th percentile values for:
 - * Max Brake Pedal Position (BPP)
 - * Total Time (seconds)
 - * Total Distance (meters)
 - * Deceleration (m/s^2)

Max Brake Pedal Position - Median Statistics

bucket	total_events	median_start_velocity	median_total_time	median_total_distance	median_deceleration
10-15	12	27.07	13.59	35.26	0.59
100-105	1	25.21	3.88	0.02	1.8
15-20	103	29.0	13.92	39.34	0.62
20-25	233	30.77	13.94	42.8	0.64
25-30	461	33.32	13.62	45.06	0.72
30-35	722	38.04	13.68	53.63	0.84
35-40	427	41.97	13.88	60.19	0.9
40-45	280	41.63	14.03	63.86	0.86
45-50	189	44.72	13.94	68.21	0.93
50-55	123	47.84	14.04	71.74	1.02
55-60	55	52.55	13.9	79.1	1.1
60-65	36	55.76	13.57	83.8	1.16
65-70	17	46.05	12.66	52.08	1.1
70-75	7	43.14	9.6	37.87	1.54
75-80	2	56.66	11.5	92.25	1.42
80-85	4	59.84	9.23	56.69	1.85
85-90	2	33.34	13.27	55.13	0.7

Max Brake Pedal Position - 95th Percentile Statistics

bucket	total_events	p95_start_velocity	p95_total_time	p95_total_distance	p95_deceleration
10-15	12	30.33	14.77	45.02	0.71
100-105	1	25.21	3.88	0.02	1.8
15-20	103	39.17	14.72	58.37	0.83
20-25	233	41.96	14.92	65.88	0.88
25-30	461	48.15	14.86	77.7	0.99
30-35	722	55.29	14.9	92.75	1.18
35-40	427	65.77	14.88	110.34	1.33
40-45	280	66.96	14.88	107.47	1.41
45-50	189	69.49	14.9	111.93	1.46
50-55	123	62.14	14.88	114.35	1.32
55-60	55	67.46	14.86	126.77	1.39
60-65	36	71.27	14.88	126.25	1.51
65-70	17	64.25	14.65	120.56	1.58
70-75	7	60.28	14.0	98.97	1.87
75-80	2	63.59	14.2	129.48	1.58
80-85	4	76.16	11.75	95.46	2.23
85-90	2	36.31	14.79	60.58	0.72

Max Brake Pedal Position - 99th Percentile Statistics

bucket	total_events	p99_start_velocity	p99_total_time	p99_total_distance	p99_deceleration
10-15	12	30.91	14.79	47.34	0.73
100-105	1	25.21	3.88	0.02	1.8
15-20	103	43.01	14.9	67.76	0.89
20-25	233	44.81	14.98	77.4	0.99
25-30	461	53.61	14.97	83.39	1.12
30-35	722	61.91	14.98	101.38	1.29
35-40	427	70.89	14.98	125.77	1.5
40-45	280	78.51	14.96	137.22	1.57
45-50	189	75.79	14.98	122.21	1.64
50-55	123	68.54	14.97	121.99	1.76
55-60	55	73.52	14.92	132.36	1.49
60-65	36	77.07	14.93	135.22	1.7
65-70	17	75.76	14.93	135.42	1.63
70-75	7	63.24	14.69	118.05	1.93
75-80	2	64.21	14.44	132.79	1.6
80-85	4	76.69	11.92	96.75	2.26
85-90	2	36.57	14.93	61.07	0.72