

Max Brake Pedal Position Bucket Analysis Report

Report Summary:

- Bucket Type: Max Brake Pedal Position
 - Total Buckets: 18
- 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	14	28.6	13.0	33.47	0.61
15-20	105	29.46	14.02	40.75	0.62
20-25	272	31.86	13.87	44.08	0.67
25-30	451	33.39	13.76	48.56	0.73
30-35	755	37.84	13.7	53.49	0.82
35-40	478	40.75	13.88	57.86	0.89
40-45	269	40.81	14.1	60.69	0.85
45-50	211	40.13	13.94	62.97	0.89
5-10	2	28.14	14.48	43.35	0.54
50-55	177	43.75	14.0	67.35	0.96
55-60	77	45.0	14.36	71.34	1.02
60-65	47	54.9	14.16	85.93	1.15
65-70	26	50.4	13.15	74.86	1.14
70-75	9	57.2	13.52	75.92	1.2
75-80	4	59.12	12.7	74.67	1.17
80-85	2	38.12	12.56	64.5	0.84
85-90	1	77.42	13.74	139.05	1.57
95-100	2	45.1	13.49	47.28	0.93

Max Brake Pedal Position - 95th Percentile Statistics

bucket	total_events	p95_start_velocity	p95_total_time	p95_total_distance	p95_deceleration
10-15	14	40.45	13.99	48.11	0.96
15-20	105	39.3	14.96	67.58	0.8
20-25	272	43.0	14.93	71.99	0.93
25-30	451	48.17	14.88	78.14	1.02
30-35	755	56.44	14.9	96.87	1.16
35-40	478	60.97	14.88	106.13	1.32
40-45	269	67.13	14.95	107.45	1.43
45-50	211	65.35	14.9	108.8	1.34
5-10	2	28.6	14.57	45.16	0.55
50-55	177	63.27	14.86	111.77	1.36
55-60	77	71.52	14.92	127.41	1.5
60-65	47	70.5	14.9	132.04	1.46
65-70	26	75.02	14.91	137.47	1.7
70-75	9	71.8	14.87	122.58	1.67
75-80	4	63.52	14.59	112.61	1.79
80-85	2	41.76	12.6	82.22	0.92
85-90	1	77.42	13.74	139.05	1.57
95-100	2	53.6	13.62	77.42	1.12

Max Brake Pedal Position - 99th Percentile Statistics

bucket	total_events	p99_start_velocity	p99_total_time	p99_total_distance	p99_deceleration
10-15	14	41.48	14.01	52.31	1.17
15-20	105	41.22	14.98	75.09	0.87
20-25	272	49.41	14.98	83.95	1.17
25-30	451	54.24	14.97	90.84	1.12
30-35	755	62.42	15.0	111.93	1.31
35-40	478	67.41	14.98	120.86	1.56
40-45	269	71.92	14.99	128.11	1.67
45-50	211	72.79	15.0	134.4	1.69
5-10	2	28.64	14.58	45.32	0.55
50-55	177	75.93	14.95	131.07	1.56
55-60	77	75.45	14.94	134.73	1.71
60-65	47	74.58	14.96	151.79	1.82
65-70	26	77.8	14.95	143.4	2.05
70-75	9	74.86	14.94	127.0	1.72
75-80	4	64.14	14.71	117.86	1.87
80-85	2	42.09	12.6	83.8	0.93
85-90	1	77.42	13.74	139.05	1.57
95-100	2	54.35	13.63	80.1	1.13