

# Max Brake Pedal Position Bucket Analysis Report

## Report Summary:

- Bucket Type: Max Brake Pedal Position
  - Total Buckets: 14
- Date Range: 2025-08-01 to 2025-08-04

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 ( $\text{m/s}^2$ )

Max Brake Pedal Position - Median Statistics

bucket	total_events	median_start_velocity	median_total_time	median_total_distance	median_deceleration
15-20	1	26.47	14.9	24.21	0.49
20-25	3	31.95	14.7	47.45	0.6
25-30	16	30.97	14.0	47.05	0.6
30-35	16	33.89	14.65	52.13	0.64
35-40	21	34.89	14.58	60.28	0.71
40-45	24	40.36	14.43	68.82	0.79
45-50	23	44.93	14.34	74.75	0.97
50-55	13	45.58	14.6	88.73	0.96
55-60	6	53.86	14.63	93.9	1.02
60-65	4	62.08	13.67	111.27	1.21
65-70	6	48.6	13.3	70.12	1.16
70-75	1	25.14	4.16	7.21	1.68
80-85	1	76.82	10.55	86.35	2.02
85-90	1	36.64	14.96	61.19	0.68

Max Brake Pedal Position - 95th Percentile Statistics

bucket	total_events	p95_start_velocity	p95_total_time	p95_total_distance	p95_deceleration
15-20	1	26.47	14.9	24.21	0.49
20-25	3	32.47	14.75	53.21	0.61
25-30	16	39.53	14.82	74.54	0.88
30-35	16	42.94	14.94	72.79	0.85
35-40	21	44.1	14.88	73.44	1.01
40-45	24	50.73	14.85	91.41	1.02
45-50	23	59.5	14.88	101.89	1.2
50-55	13	69.38	14.83	122.86	1.34
55-60	6	71.33	14.86	127.09	1.35
60-65	4	63.64	14.52	124.84	1.3
65-70	6	73.05	14.89	133.33	1.63
70-75	1	25.14	4.16	7.21	1.68
80-85	1	76.82	10.55	86.35	2.02
85-90	1	36.64	14.96	61.19	0.68

Max Brake Pedal Position - 99th Percentile Statistics

bucket	total_events	p99_start_velocity	p99_total_time	p99_total_distance	p99_deceleration
15-20	1	26.47	14.9	24.21	0.49
20-25	3	32.52	14.76	53.72	0.61
25-30	16	43.48	14.86	75.57	0.89
30-35	16	44.36	14.96	73.62	0.88
35-40	21	51.75	14.88	89.44	1.02
40-45	24	50.96	14.87	92.1	1.03
45-50	23	60.19	14.91	110.47	1.32
50-55	13	69.71	14.89	122.96	1.37
55-60	6	73.39	14.91	127.29	1.37
60-65	4	63.78	14.54	125.69	1.32
65-70	6	77.52	14.98	137.97	1.64
70-75	1	25.14	4.16	7.21	1.68
80-85	1	76.82	10.55	86.35	2.02
85-90	1	36.64	14.96	61.19	0.68