

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

Max Brake Pedal Position - Median Statistics

bucket	total_events	median_start_velocity	median_total_time	median_total_distance	median_deceleration
10-15	14	29.98	14.47	40.49	0.57
15-20	88	28.67	13.83	40.22	0.62
20-25	239	31.59	13.68	43.84	0.67
25-30	463	34.14	13.7	47.58	0.73
30-35	652	38.25	13.74	54.18	0.83
35-40	474	40.93	13.96	57.83	0.87
40-45	325	41.53	13.74	58.08	0.9
45-50	179	44.47	14.0	64.62	0.96
50-55	150	46.13	14.26	68.69	0.98
55-60	72	48.6	14.3	74.65	1.08
60-65	44	49.65	13.99	73.97	1.1
65-70	10	52.4	14.32	66.73	1.36
70-75	6	55.2	11.32	63.59	1.3
75-80	4	49.96	14.04	40.75	1.18
80-85	1	41.12	14.64	100.14	0.78
85-90	1	39.67	14.2	37.71	0.78
90-95	1	67.82	14.62	152.25	1.29

Max Brake Pedal Position - 95th Percentile Statistics

bucket	total_events	p95_start_velocity	p95_total_time	p95_total_distance	p95_deceleration
10-15	14	36.61	14.97	63.58	0.7
15-20	88	39.57	14.84	57.65	0.88
20-25	239	42.41	14.88	65.13	0.92
25-30	463	47.98	14.88	78.87	0.98
30-35	652	54.3	14.89	92.84	1.16
35-40	474	62.77	14.91	103.64	1.28
40-45	325	64.47	14.84	108.95	1.4
45-50	179	69.49	14.92	114.89	1.38
50-55	150	63.42	14.91	116.28	1.28
55-60	72	69.75	14.86	132.82	1.37
60-65	44	69.22	14.9	130.43	1.49
65-70	10	77.16	14.89	140.77	1.67
70-75	6	69.05	14.92	100.73	1.58
75-80	4	65.14	14.7	98.43	1.79
80-85	1	41.12	14.64	100.14	0.78
85-90	1	39.67	14.2	37.71	0.78
90-95	1	67.82	14.62	152.25	1.29

Max Brake Pedal Position - 99th Percentile Statistics

bucket	total_events	p99_start_velocity	p99_total_time	p99_total_distance	p99_deceleration
10-15	14	39.16	14.98	64.42	0.73
15-20	88	43.04	14.96	63.58	1.01
20-25	239	46.41	14.96	76.07	1.0
25-30	463	54.15	14.99	94.14	1.13
30-35	652	59.81	14.97	108.4	1.26
35-40	474	67.26	14.98	119.15	1.41
40-45	325	70.19	14.98	124.32	1.55
45-50	179	77.04	14.98	135.16	1.67
50-55	150	69.82	14.98	123.71	1.39
55-60	72	71.71	14.92	141.99	1.51
60-65	44	71.3	14.93	142.89	1.56
65-70	10	79.5	14.95	142.24	1.75
70-75	6	69.27	14.98	107.2	1.64
75-80	4	67.02	14.74	106.04	1.85
80-85	1	41.12	14.64	100.14	0.78
85-90	1	39.67	14.2	37.71	0.78
90-95	1	67.82	14.62	152.25	1.29