

# Max Brake Pedal Position Bucket Analysis Report

## Report Summary:

- Bucket Type: Max Brake Pedal Position
- Total Buckets: 15
- 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
0-5	1	59.75	13.86	0.0	1.2
10-15	18	29.06	14.04	43.55	0.6
15-20	147	28.89	14.02	41.49	0.62
20-25	372	32.1	13.9	47.03	0.68
25-30	547	35.07	13.76	51.27	0.77
30-35	806	40.17	13.78	58.0	0.88
35-40	438	47.29	13.67	69.51	1.04
40-45	159	55.0	13.7	80.91	1.15
45-50	37	56.24	13.34	74.39	1.21
5-10	1	28.59	13.78	34.82	0.58
50-55	15	56.34	14.02	107.82	1.33
55-60	6	52.54	11.32	59.69	1.3
60-65	3	53.95	13.95	65.62	1.11
65-70	1	68.48	8.4	34.1	2.26
75-80	1	29.99	13.98	63.39	0.6

Max Brake Pedal Position - 95th Percentile Statistics

bucket	total_events	p95_start_velocity	p95_total_time	p95_total_distance	p95_deceleration
0-5	1	59.75	13.86	0.0	1.2
10-15	18	35.34	14.75	66.94	0.71
15-20	147	37.69	14.92	65.8	0.82
20-25	372	44.0	14.92	75.32	0.91
25-30	547	48.63	14.92	85.91	1.04
30-35	806	56.04	14.87	101.41	1.21
35-40	438	64.94	14.9	116.22	1.35
40-45	159	72.15	14.87	128.87	1.56
45-50	37	74.57	14.91	123.55	1.71
5-10	1	28.59	13.78	34.82	0.58
50-55	15	74.08	14.79	143.49	1.64
55-60	6	63.07	13.64	72.06	1.57
60-65	3	55.34	14.57	122.1	1.51
65-70	1	68.48	8.4	34.1	2.26
75-80	1	29.99	13.98	63.39	0.6

Max Brake Pedal Position - 99th Percentile Statistics

bucket	total_events	p99_start_velocity	p99_total_time	p99_total_distance	p99_deceleration
0-5	1	59.75	13.86	0.0	1.2
10-15	18	36.72	14.77	68.65	0.73
15-20	147	42.55	14.98	76.58	0.87
20-25	372	49.03	14.98	85.45	1.02
25-30	547	55.18	14.99	98.63	1.16
30-35	806	61.72	14.98	113.88	1.35
35-40	438	69.91	14.98	136.15	1.57
40-45	159	75.32	14.97	146.94	1.72
45-50	37	77.42	14.99	155.5	1.82
5-10	1	28.59	13.78	34.82	0.58
50-55	15	76.58	14.86	144.82	1.71
55-60	6	63.24	13.77	73.95	1.62
60-65	3	55.47	14.63	127.12	1.55
65-70	1	68.48	8.4	34.1	2.26
75-80	1	29.99	13.98	63.39	0.6