

# Max Brake Pedal Position Bucket Analysis Report

## Report Summary:

- Bucket Type: Max Brake Pedal Position
  - Total Buckets: 10
- 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
20-25	5	26.75	14.66	42.82	0.51
25-30	9	30.91	13.96	43.05	0.63
30-35	22	33.28	14.41	54.23	0.68
35-40	17	33.85	14.4	56.91	0.7
40-45	31	40.34	14.4	61.55	0.84
45-50	18	41.87	14.37	75.08	0.87
50-55	27	47.8	14.42	81.48	1.01
55-60	8	59.18	14.4	88.59	1.21
60-65	4	57.42	13.31	105.43	1.29
65-70	2	61.66	14.66	102.56	1.17

Max Brake Pedal Position - 95th Percentile Statistics

bucket	total_events	p95_start_velocity	p95_total_time	p95_total_distance	p95_deceleration
20-25	5	32.33	14.8	48.99	0.61
25-30	9	34.4	14.83	60.06	0.73
30-35	22	43.43	14.84	91.97	0.83
35-40	17	47.98	14.92	78.7	1.0
40-45	31	50.04	14.84	93.66	1.02
45-50	18	51.97	14.8	97.51	1.13
50-55	27	59.78	14.93	108.39	1.22
55-60	8	68.65	14.75	122.21	1.34
60-65	4	70.78	14.52	129.56	1.47
65-70	2	65.81	14.78	138.61	1.26

Max Brake Pedal Position - 99th Percentile Statistics

bucket	total_events	p99_start_velocity	p99_total_time	p99_total_distance	p99_deceleration
20-25	5	33.15	14.8	50.0	0.62
25-30	9	34.67	14.87	62.77	0.75
30-35	22	47.72	14.93	92.86	0.9
35-40	17	49.5	14.97	82.82	1.02
40-45	31	52.1	14.9	102.8	1.04
45-50	18	52.68	14.8	98.61	1.14
50-55	27	60.61	14.94	111.71	1.26
55-60	8	69.3	14.76	130.75	1.35
60-65	4	71.21	14.6	132.6	1.48
65-70	2	66.18	14.8	141.81	1.27