

# Max Brake Pedal Position Bucket Analysis Report

## Report Summary:

- Bucket Type: Max Brake Pedal Position
  - Total Buckets: 8
- 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 ( $m/s^2$ )

## Max Brake Pedal Position - Median Statistics

bucket	total_events	median_start_velocity	median_total_time	median_total_distance	median_deceleration
10-15	1	26.61	11.48	36.8	0.64
15-20	5	27.54	14.42	55.05	0.53
20-25	14	34.05	14.62	60.59	0.7
25-30	12	32.49	14.71	59.86	0.65
30-35	19	36.97	14.38	56.46	0.89
35-40	15	57.49	14.56	103.08	1.14
40-45	4	61.64	13.66	94.59	1.17
45-50	2	57.24	14.71	73.32	1.08

# Max Brake Pedal Position - 95th Percentile Statistics

bucket	total_events	p95_start_velocity	p95_total_time	p95_total_distance	p95_deceleration
10-15	1	26.61	11.48	36.8	0.64
15-20	5	36.86	14.64	57.48	0.74
20-25	14	47.06	14.93	83.78	0.88
25-30	12	44.78	14.96	82.95	0.85
30-35	19	55.13	14.93	122.64	1.04
35-40	15	67.99	14.9	121.92	1.38
40-45	4	67.81	14.88	109.54	1.55
45-50	2	61.09	14.82	88.93	1.15

## Max Brake Pedal Position - 99th Percentile Statistics

bucket	total_events	p99_start_velocity	p99_total_time	p99_total_distance	p99_deceleration
10-15	1	26.61	11.48	36.8	0.64
15-20	5	37.86	14.64	57.52	0.76
20-25	14	49.92	14.95	85.51	0.93
25-30	12	46.17	14.98	85.38	0.89
30-35	19	65.15	14.97	130.94	1.28
35-40	15	69.34	14.9	128.99	1.46
40-45	4	68.65	14.97	110.52	1.6
45-50	2	61.43	14.82	90.31	1.15