

# 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

<b>bucket</b>	<b>total_events</b>	<b>median_start_velocity</b>	<b>median_total_time</b>	<b>median_total_distance</b>	<b>median_deceleration</b>
10-15	9	27.98	14.46	42.34	0.59
15-20	103	29.43	13.74	38.69	0.62
20-25	244	31.72	13.69	44.0	0.66
25-30	396	33.85	13.84	48.22	0.73
30-35	659	38.18	13.66	52.83	0.84
35-40	425	40.06	13.72	58.47	0.88
40-45	249	42.29	13.84	61.88	0.88
45-50	138	44.3	14.13	69.65	0.92
50-55	99	43.38	14.28	65.24	0.94
55-60	55	47.69	13.55	65.48	1.07
60-65	21	54.34	13.5	70.61	1.19
65-70	9	56.23	12.38	72.78	1.26
70-75	4	43.53	13.15	70.49	1.02
75-80	4	48.58	13.92	71.61	0.94
85-90	1	69.93	13.96	73.65	1.39

# Max Brake Pedal Position - 95th Percentile Statistics

<b>bucket</b>	<b>total_events</b>	<b>p95_start_velocity</b>	<b>p95_total_time</b>	<b>p95_total_distance</b>	<b>p95_deceleration</b>
10-15	9	31.83	14.68	46.06	0.66
15-20	103	36.49	14.96	58.87	0.85
20-25	244	41.73	14.92	71.27	0.85
25-30	396	46.2	14.94	80.98	1.0
30-35	659	54.96	14.9	94.2	1.16
35-40	425	61.26	14.88	102.54	1.32
40-45	249	68.59	14.9	112.42	1.43
45-50	138	67.18	14.92	112.35	1.43
50-55	99	68.75	14.96	112.89	1.45
55-60	55	73.76	14.85	130.36	1.52
60-65	21	67.02	14.88	143.65	1.53
65-70	9	77.94	14.08	127.83	1.53
70-75	4	62.26	14.44	93.13	1.33
75-80	4	50.88	14.62	125.87	1.96
85-90	1	69.93	13.96	73.65	1.39

# Max Brake Pedal Position - 99th Percentile Statistics

bucket	total_events	p99_start_velocity	p99_total_time	p99_total_distance	p99_deceleration
10-15	9	31.84	14.72	46.92	0.66
15-20	103	42.26	14.98	72.05	0.93
20-25	244	48.52	15.0	76.08	1.11
25-30	396	52.76	15.0	89.82	1.08
30-35	659	59.73	14.98	105.12	1.3
35-40	425	68.44	14.98	125.31	1.44
40-45	249	74.88	14.98	131.65	1.53
45-50	138	77.44	14.99	136.88	1.71
50-55	99	72.44	14.98	131.88	1.62
55-60	55	75.88	14.96	135.46	1.76
60-65	21	71.24	14.96	164.13	1.72
65-70	9	82.72	14.4	134.91	1.59
70-75	4	64.29	14.6	95.33	1.37
75-80	4	51.06	14.7	128.22	2.11
85-90	1	69.93	13.96	73.65	1.39