

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 (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	92	29.5	13.58	43.23	0.68
15-20	353	34.09	13.88	48.35	0.74
20-25	464	38.92	13.69	52.55	0.86
25-30	349	36.64	13.89	52.14	0.8
30-35	352	37.1	13.89	54.56	0.81
35-40	261	37.65	14.16	58.79	0.78
40-45	197	38.69	14.16	61.88	0.83
45-50	165	41.93	14.22	60.38	0.87
5-10	4	27.11	14.05	37.74	0.54
50-55	100	45.88	13.94	66.32	0.99
55-60	41	44.89	12.94	60.46	1.1
60-65	18	54.76	14.02	78.67	1.15
65-70	7	38.4	11.7	50.46	1.45
70-75	1	77.06	14.66	107.21	1.46
90-95	1	41.81	13.28	66.18	0.87

Max Brake Pedal Position - 95th Percentile Statistics

bucket	total_events	p95_start_velocity	p95_total_time	p95_total_distance	p95_deceleration
10-15	92	46.16	14.94	71.17	0.94
15-20	353	48.93	14.87	80.76	1.02
20-25	464	57.2	14.88	95.04	1.23
25-30	349	59.94	14.91	100.56	1.23
30-35	352	59.09	14.94	99.84	1.23
35-40	261	59.63	14.94	97.96	1.2
40-45	197	58.98	14.96	98.48	1.32
45-50	165	57.19	14.88	104.78	1.28
5-10	4	30.0	14.87	47.5	0.62
50-55	100	62.67	14.82	104.99	1.23
55-60	41	65.5	14.86	111.02	1.37
60-65	18	68.41	14.98	126.82	1.59
65-70	7	73.83	14.07	97.65	1.73
70-75	1	77.06	14.66	107.21	1.46
90-95	1	41.81	13.28	66.18	0.87

Max Brake Pedal Position - 99th Percentile Statistics

bucket	total_events	p99_start_velocity	p99_total_time	p99_total_distance	p99_deceleration
10-15	92	52.62	15.0	84.32	1.08
15-20	353	56.67	14.98	102.17	1.18
20-25	464	62.92	14.99	113.85	1.3
25-30	349	66.62	14.98	113.69	1.37
30-35	352	68.92	15.0	121.39	1.4
35-40	261	68.64	14.98	111.98	1.38
40-45	197	66.7	14.98	107.57	1.56
45-50	165	65.04	14.95	117.54	1.48
5-10	4	30.24	14.88	47.64	0.63
50-55	100	69.13	14.94	118.75	1.34
55-60	41	69.61	14.96	122.74	1.53
60-65	18	72.15	15.0	146.82	1.63
65-70	7	77.02	14.09	103.8	1.79
70-75	1	77.06	14.66	107.21	1.46
90-95	1	41.81	13.28	66.18	0.87