

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 |