

# 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 ( $m/s^2$ )

## 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             |