

# BENCH TEST SUMMARY

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*Performance Test Report*

Project Name: test123

Done By: QA Team

Test Date: February 25, 2026

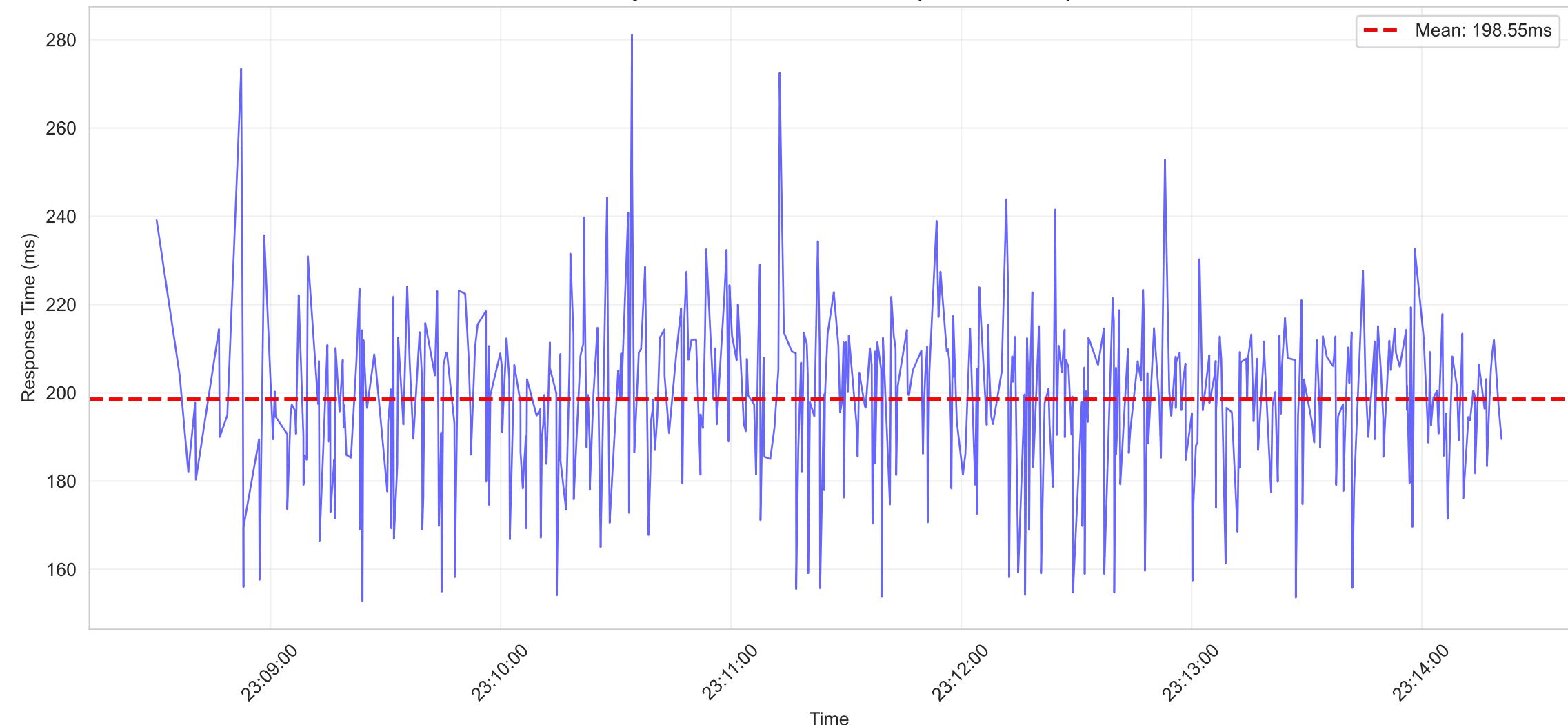
*Automated Performance Testing Framework*

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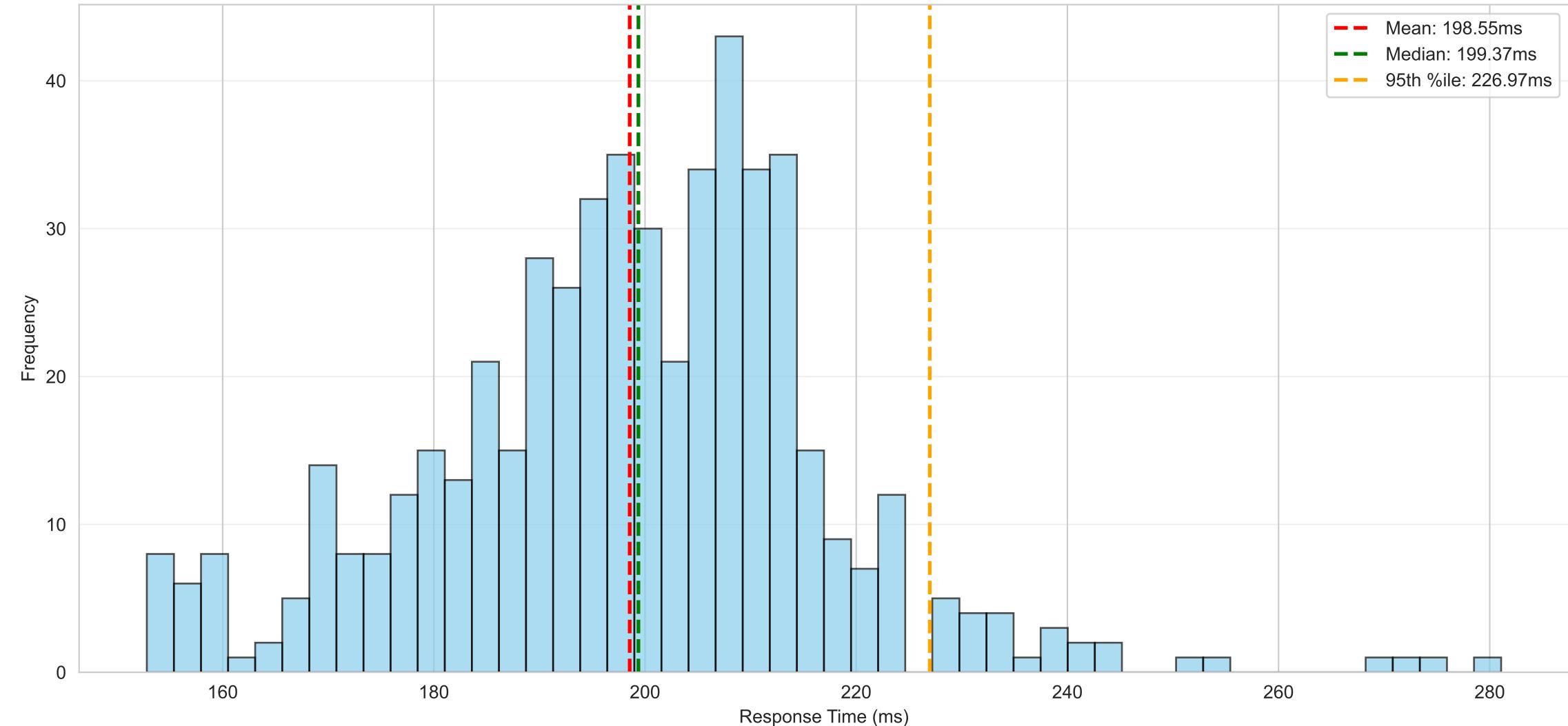
# Performance Metrics Summary (10 user test.)

| Metric                    | Value   |
|---------------------------|---------|
| Total Requests            | 524     |
| Total Suites              | 1       |
| Max Concurrent Users      | 10      |
| Total Errors              | 0       |
| Error Rate (%)            | 0.00    |
| Avg Response Time (ms)    | 198.55  |
| Min Response Time (ms)    | 152.82  |
| Max Response Time (ms)    | 281.08  |
| Median Response Time (ms) | 199.37  |
| 95th Percentile (ms)      | 226.97  |
| 99th Percentile (ms)      | 249.18  |
| Avg Think Time (ms)       | 6041.98 |

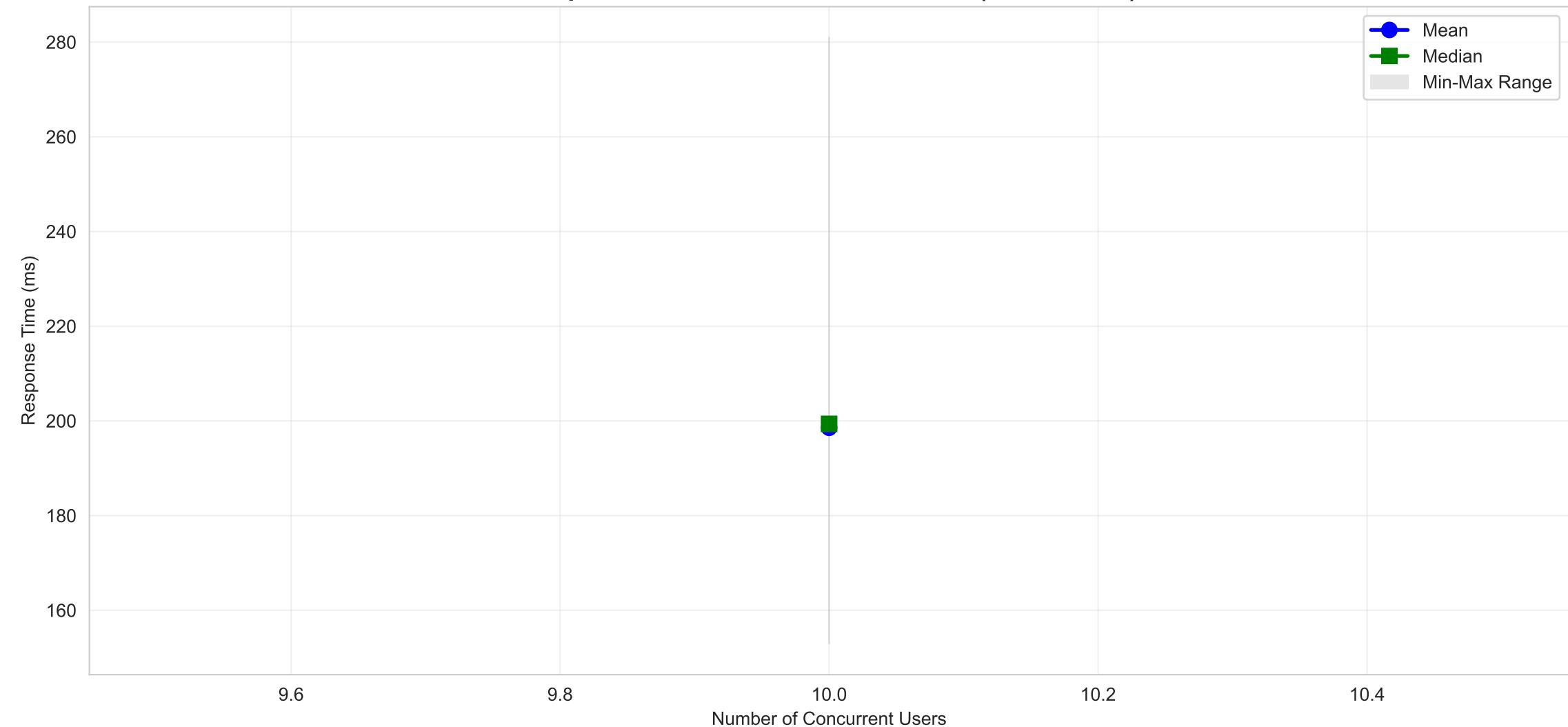
## Response Time Over Time (10 user test)



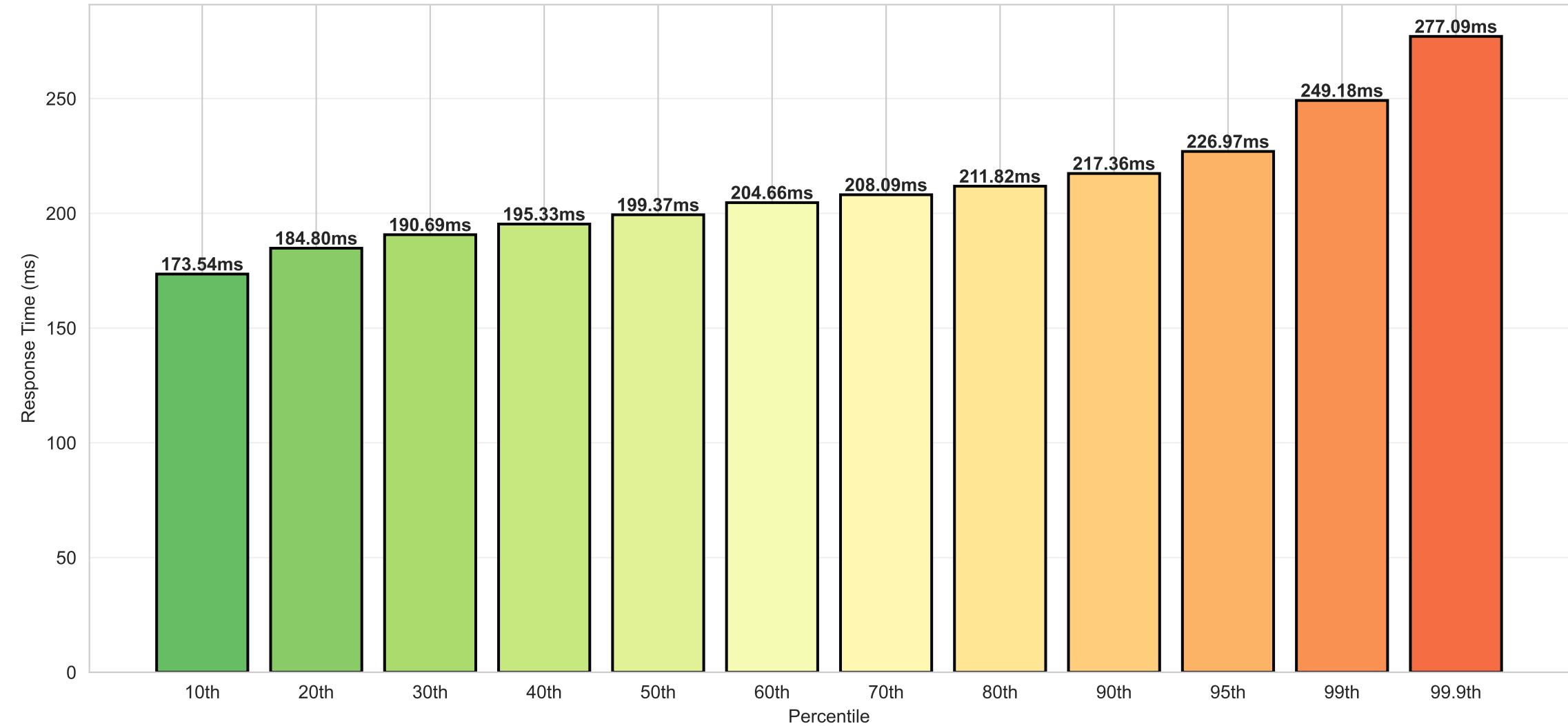
## Response Time Distribution (10 user test)



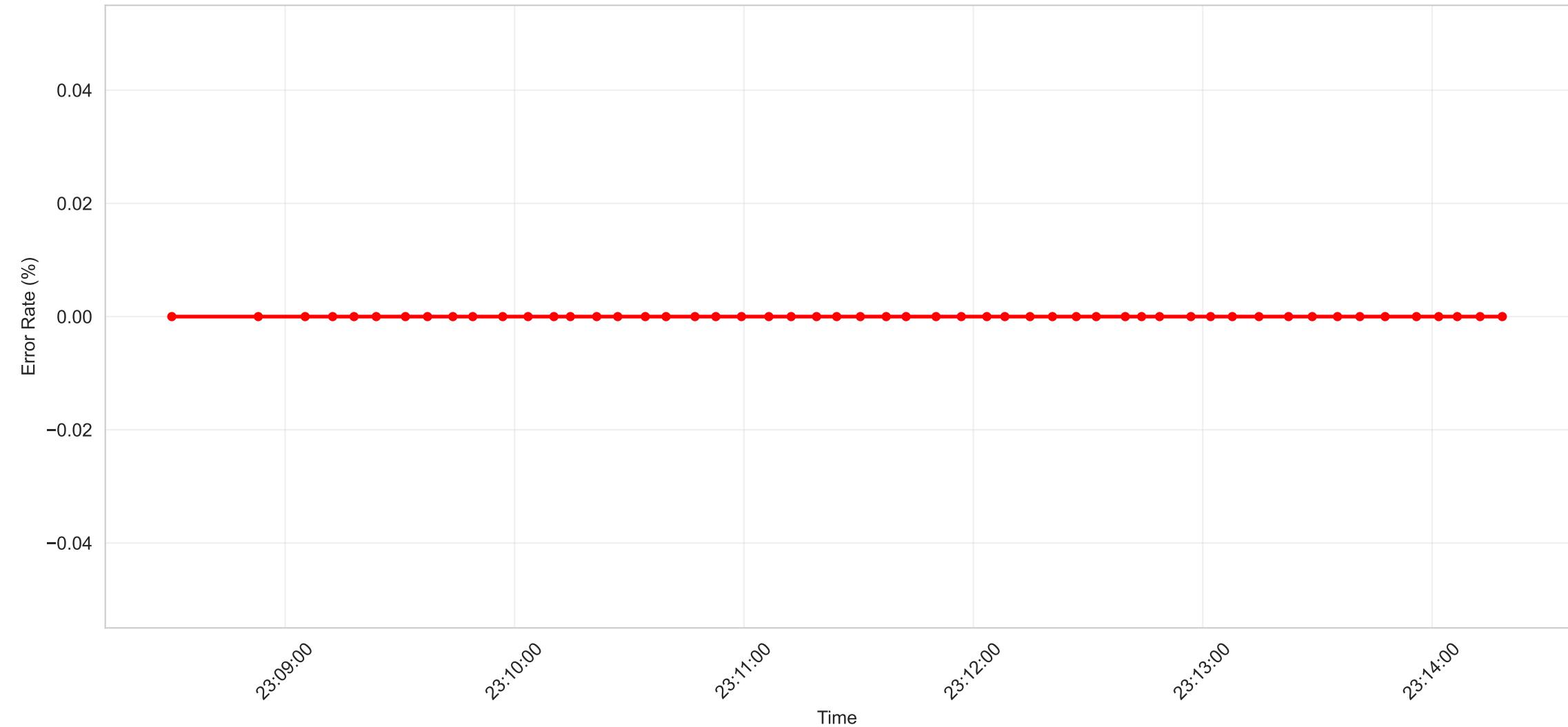
## Response Time vs Concurrent Users (10 user test)



## Response Time Percentiles (10 user test)



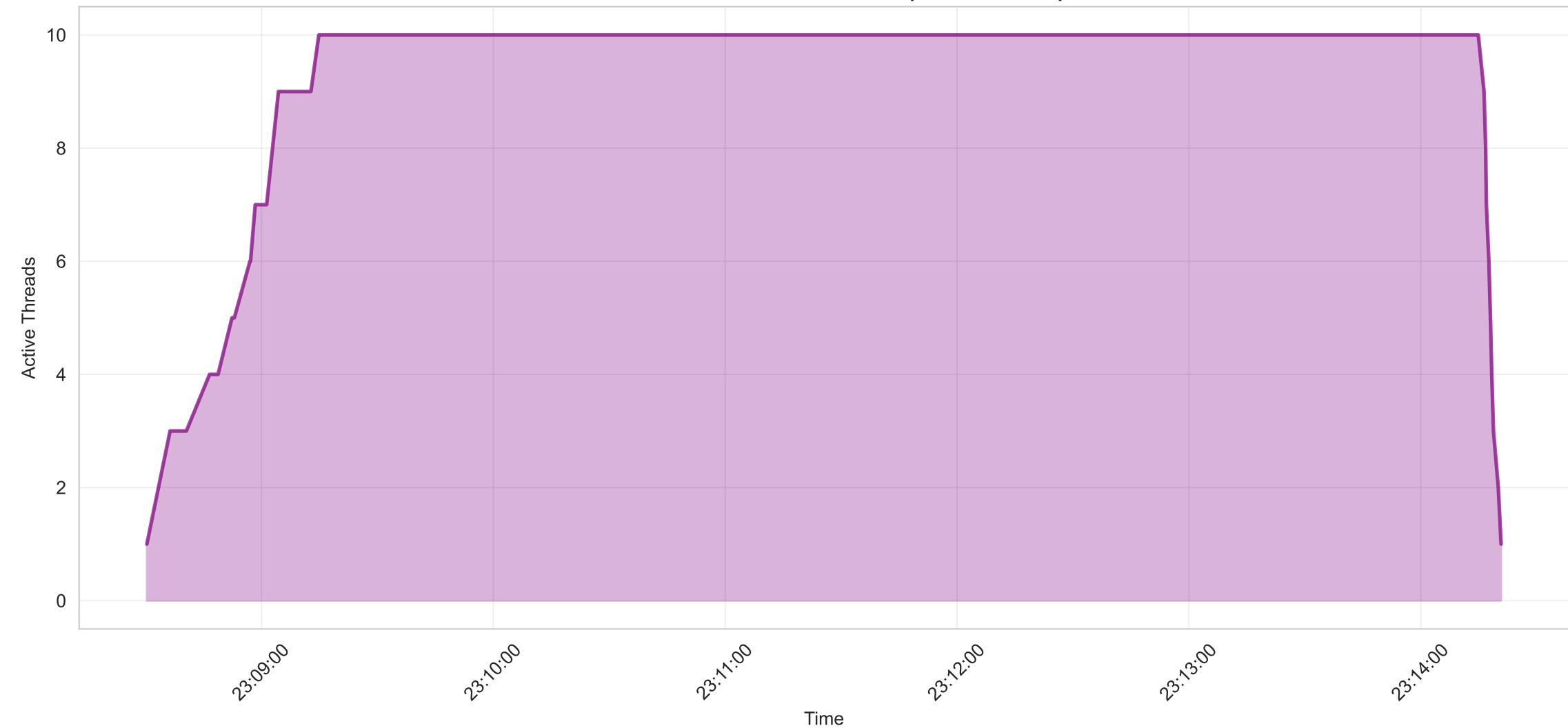
## Error Rate Over Time (10 user test)



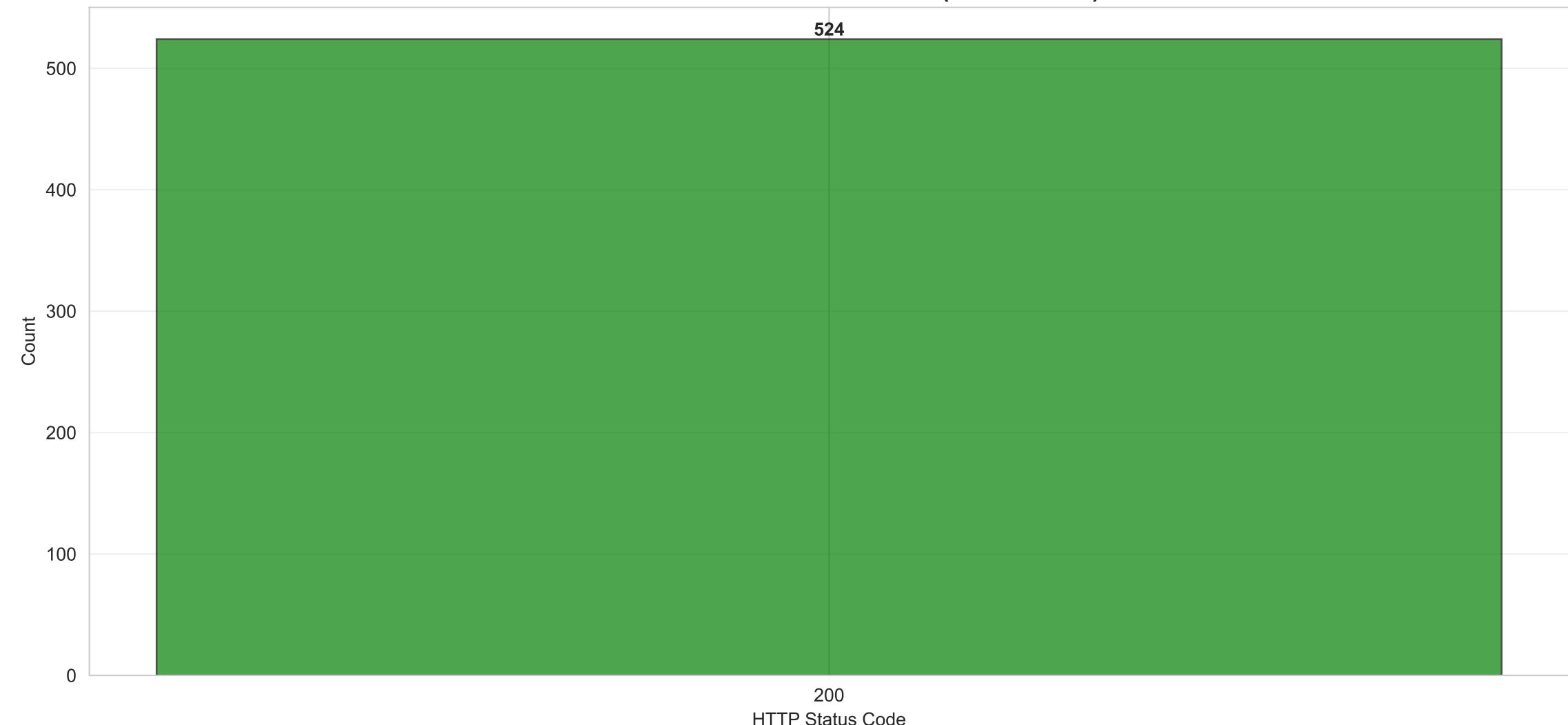
## Throughput Over Time (10 user test)



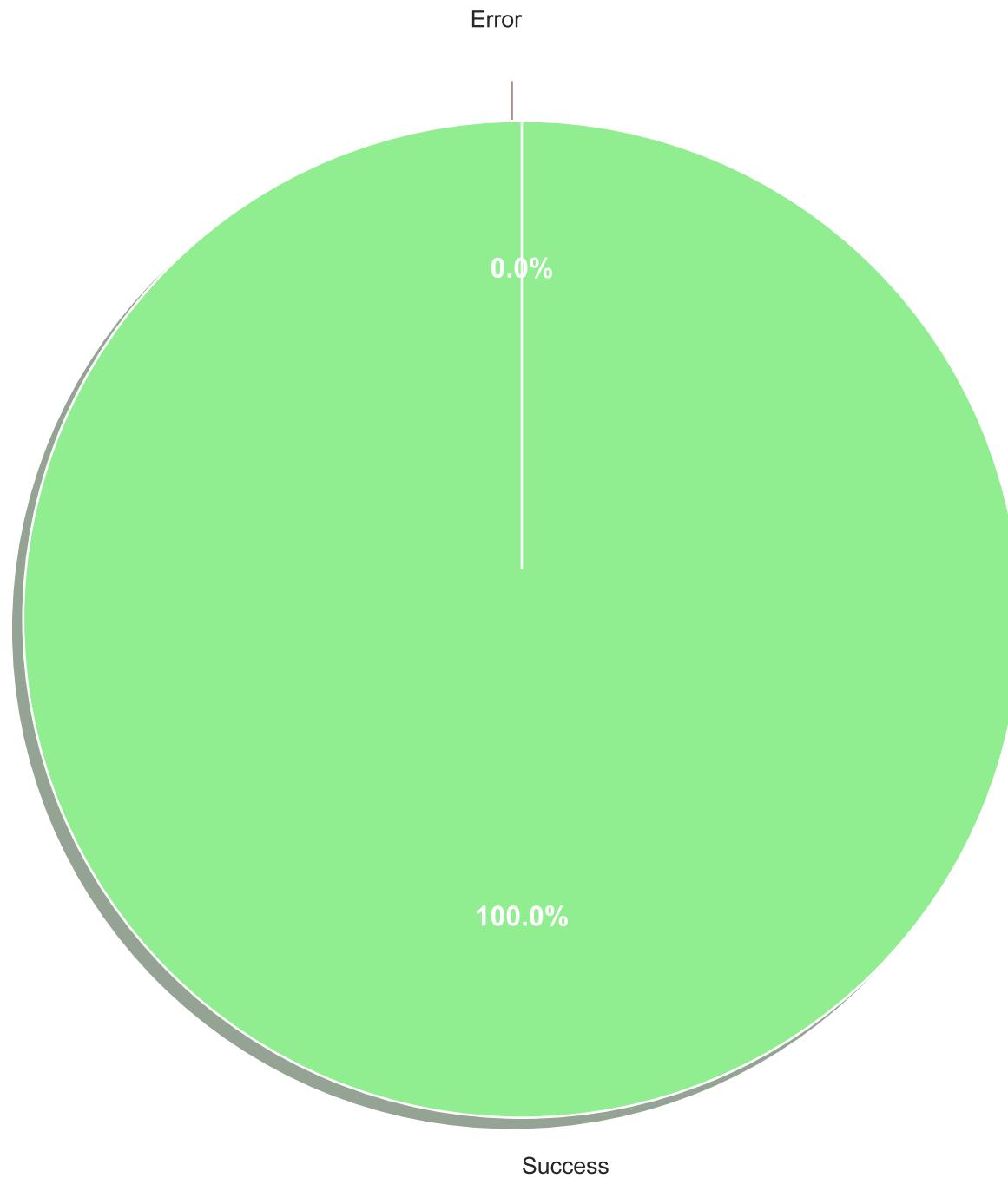
## Active Threads Over Time (10 user test)



## HTTP Status Code Distribution (10 user test)



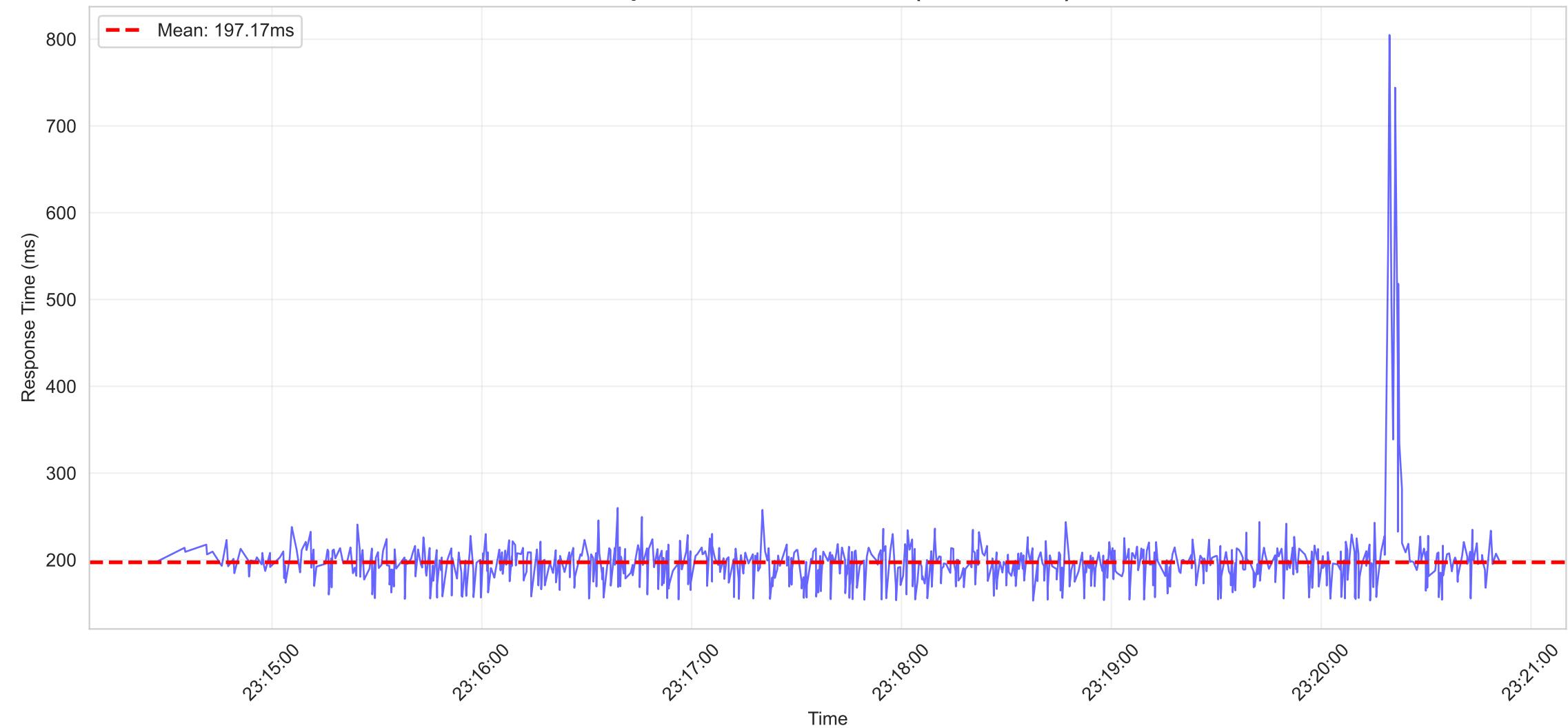
## Success vs Error Rate (10 user test)



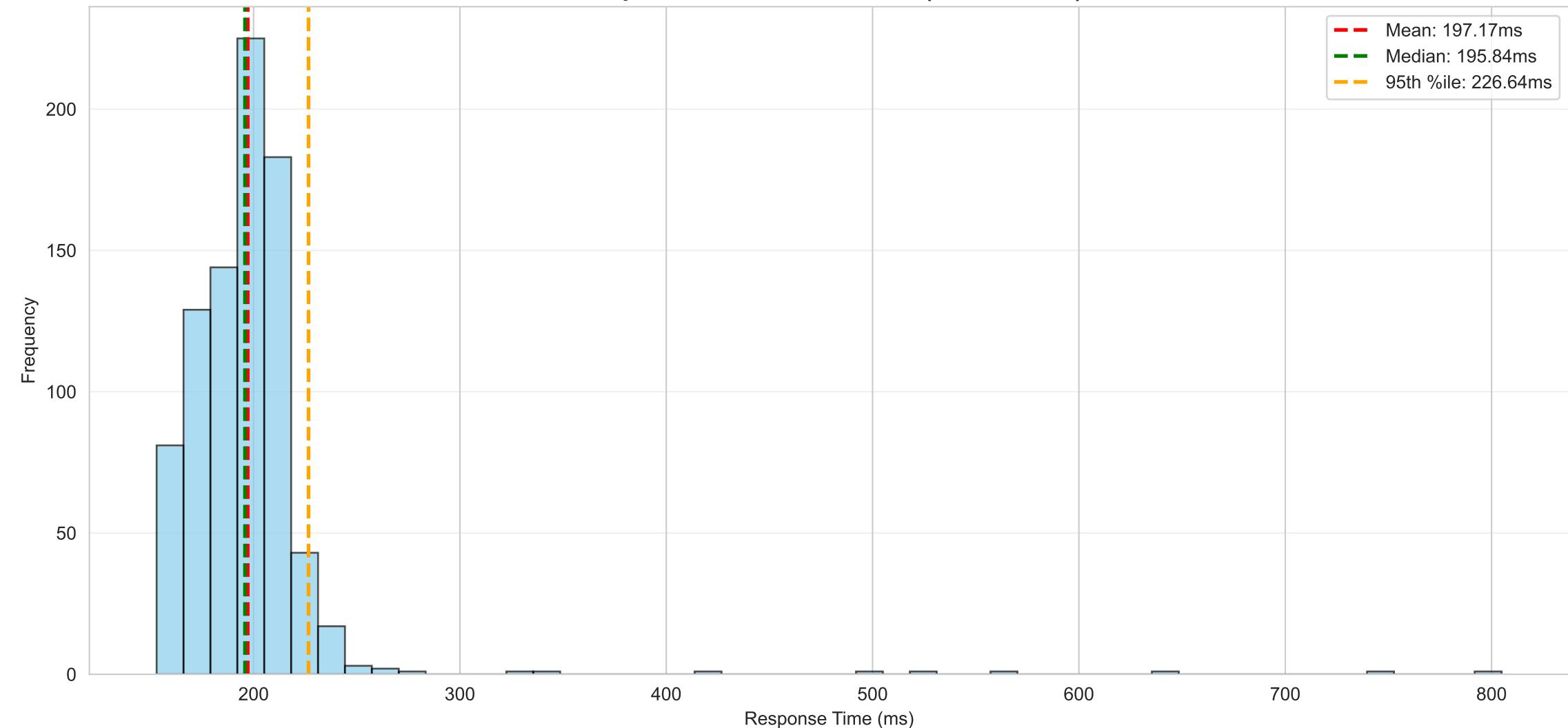
# Performance Metrics Summary (15 user test.)

| Metric                    | Value   |
|---------------------------|---------|
| Total Requests            | 837     |
| Total Suites              | 1       |
| Max Concurrent Users      | 15      |
| Total Errors              | 0       |
| Error Rate (%)            | 0.00    |
| Avg Response Time (ms)    | 197.17  |
| Min Response Time (ms)    | 153.02  |
| Max Response Time (ms)    | 804.85  |
| Median Response Time (ms) | 195.84  |
| 95th Percentile (ms)      | 226.64  |
| 99th Percentile (ms)      | 315.26  |
| Avg Think Time (ms)       | 6014.34 |

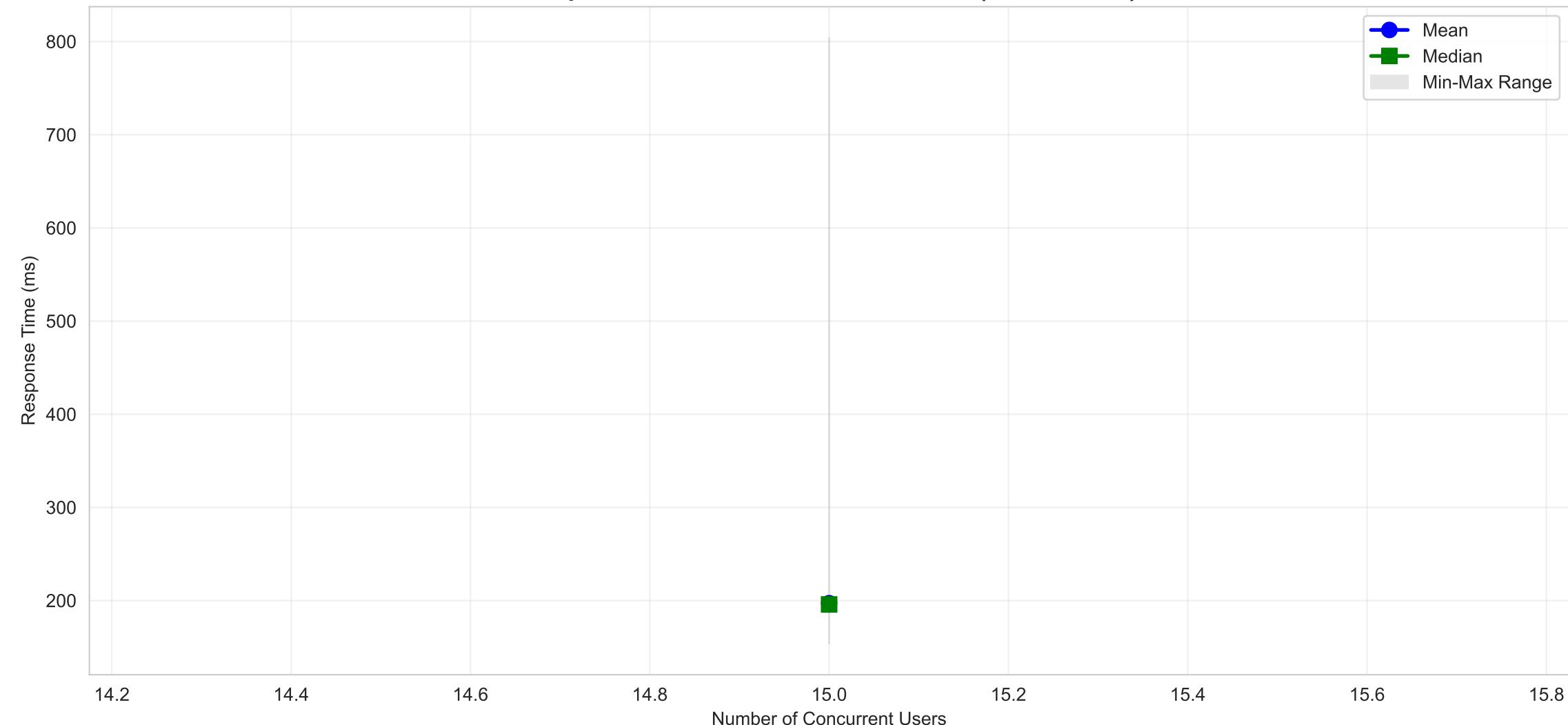
## Response Time Over Time (15 user test)



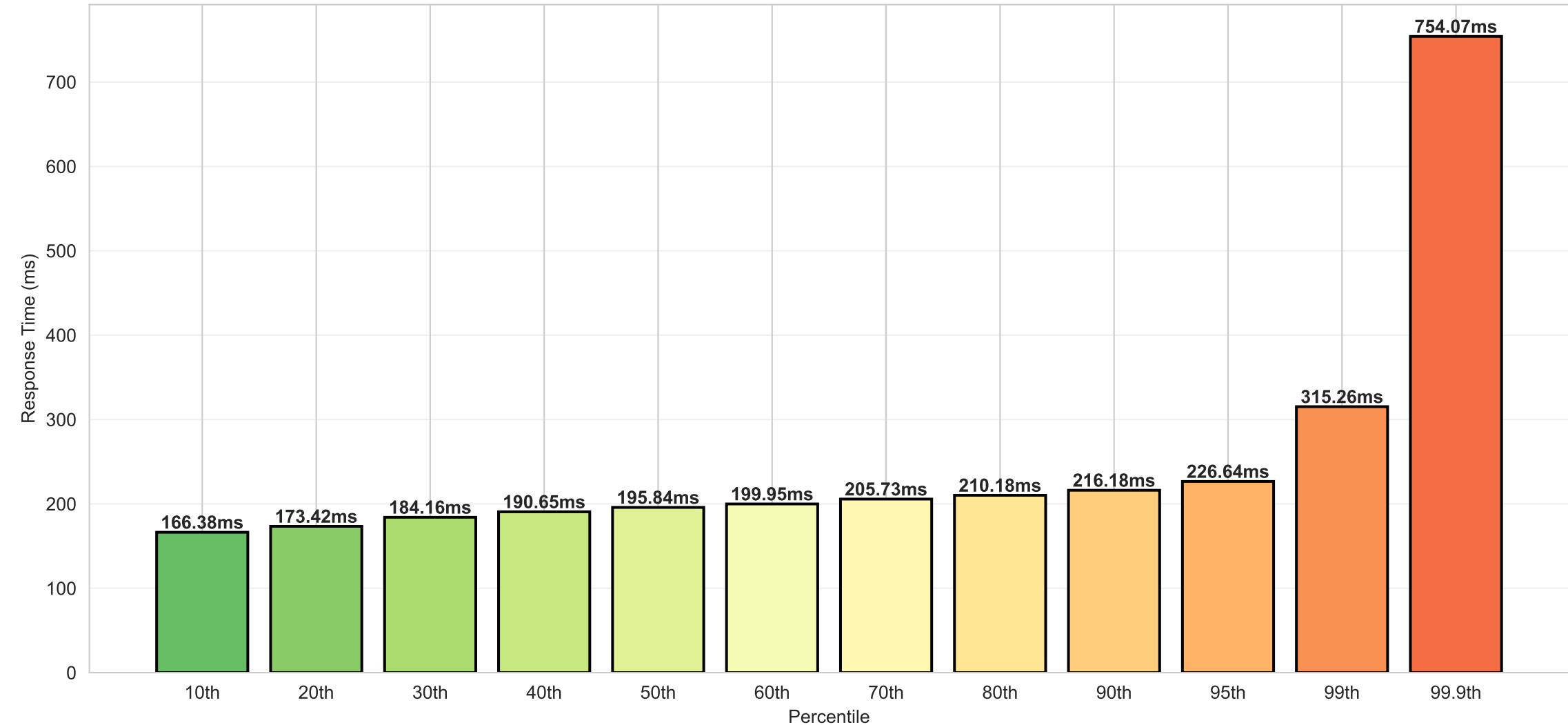
## Response Time Distribution (15 user test)



## Response Time vs Concurrent Users (15 user test)



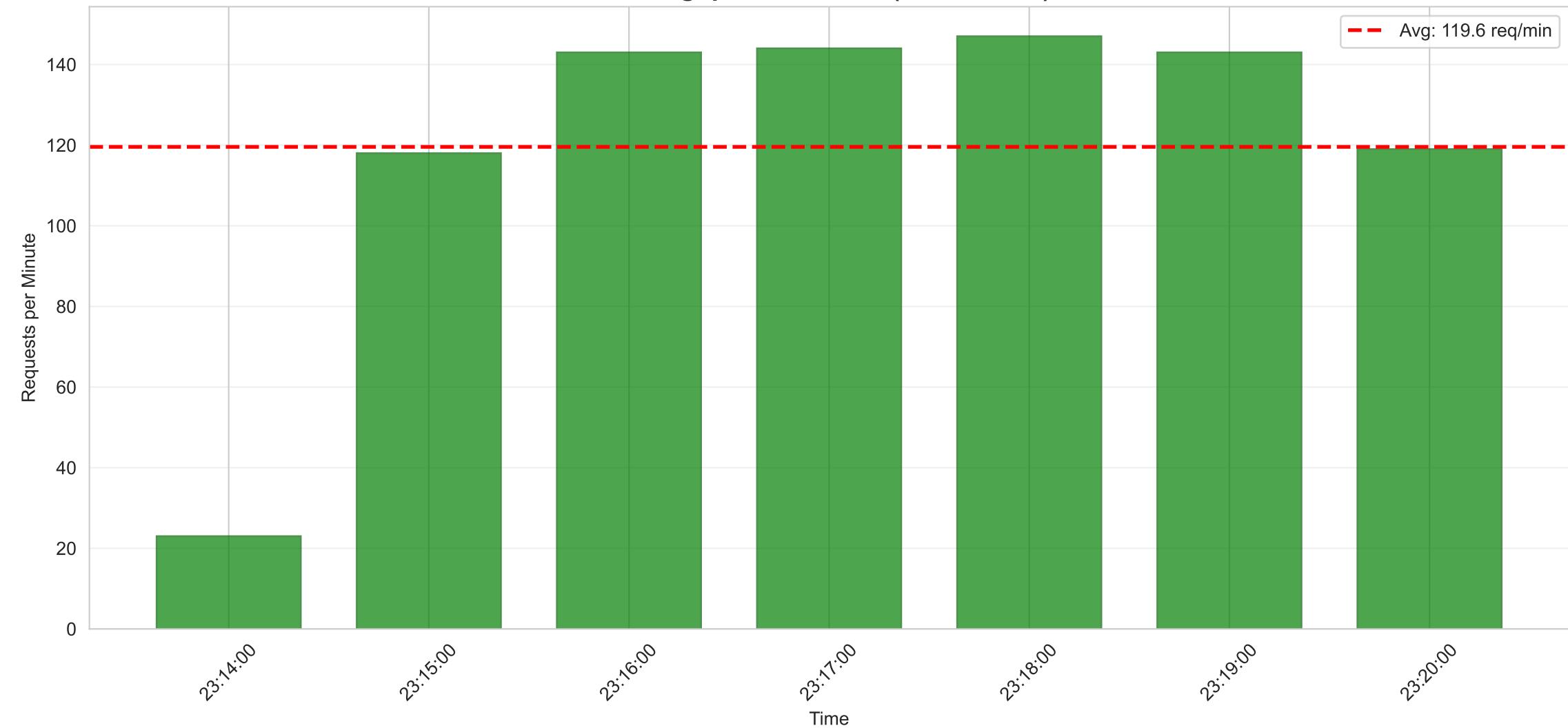
## Response Time Percentiles (15 user test)



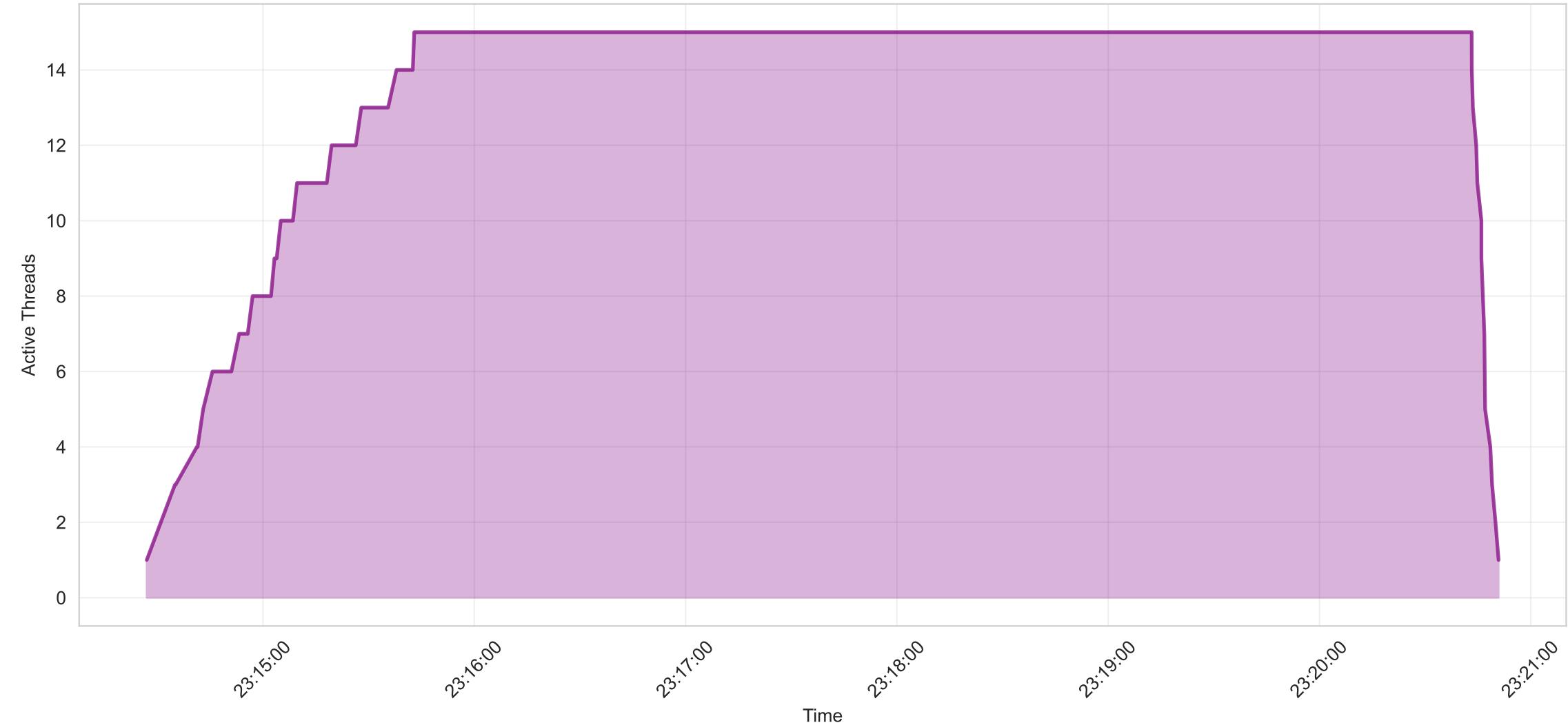
## Error Rate Over Time (15 user test)



## Throughput Over Time (15 user test)

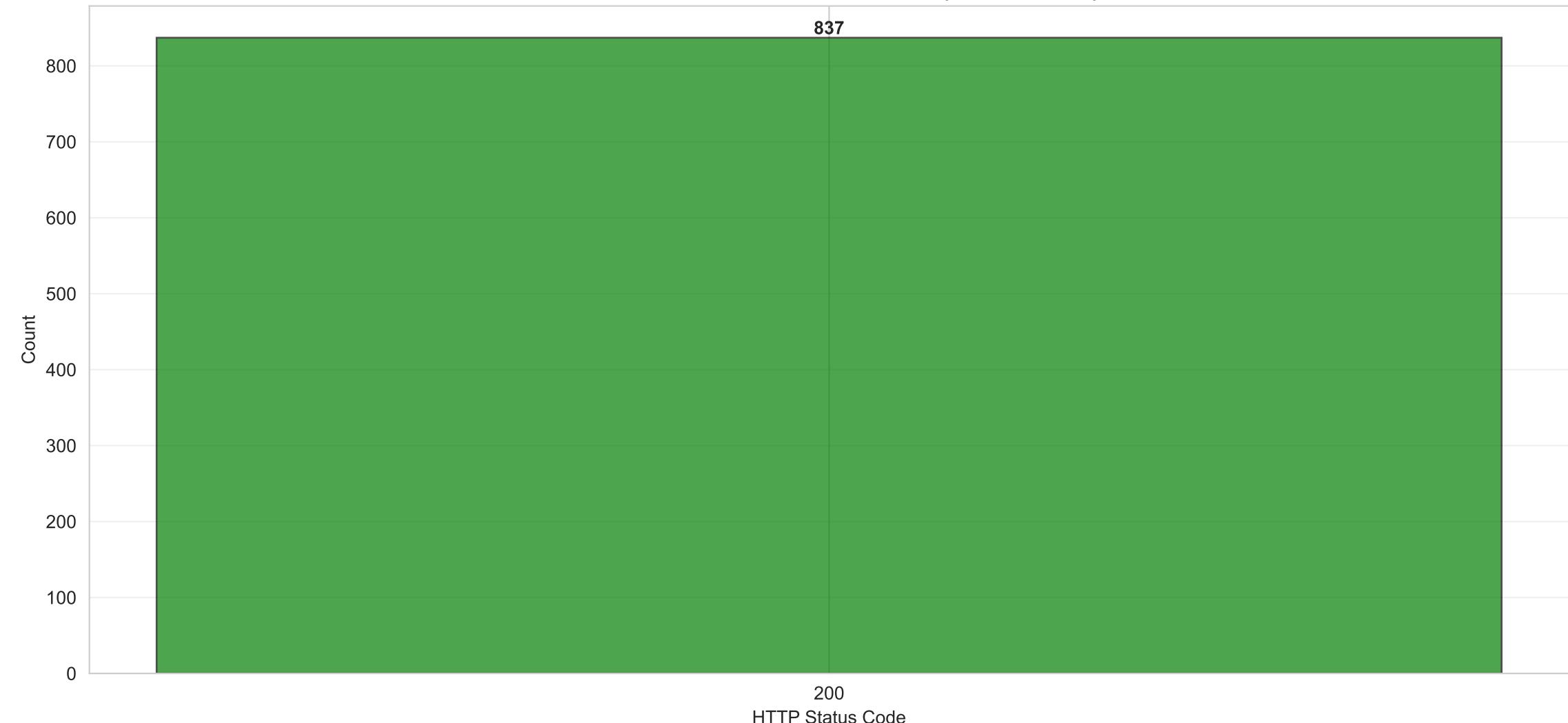


## Active Threads Over Time (15 user test)

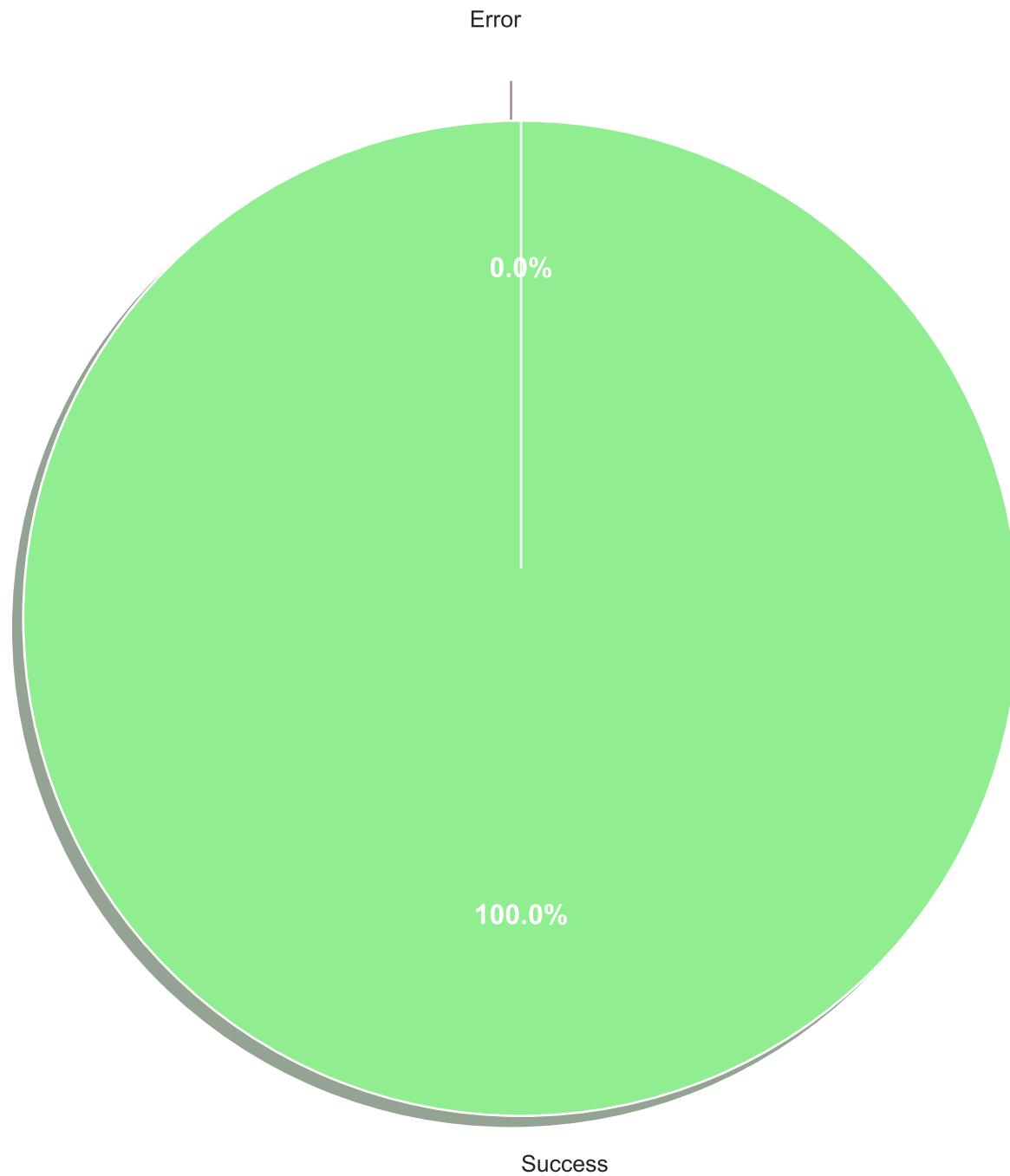


## HTTP Status Code Distribution (15 user test)

837



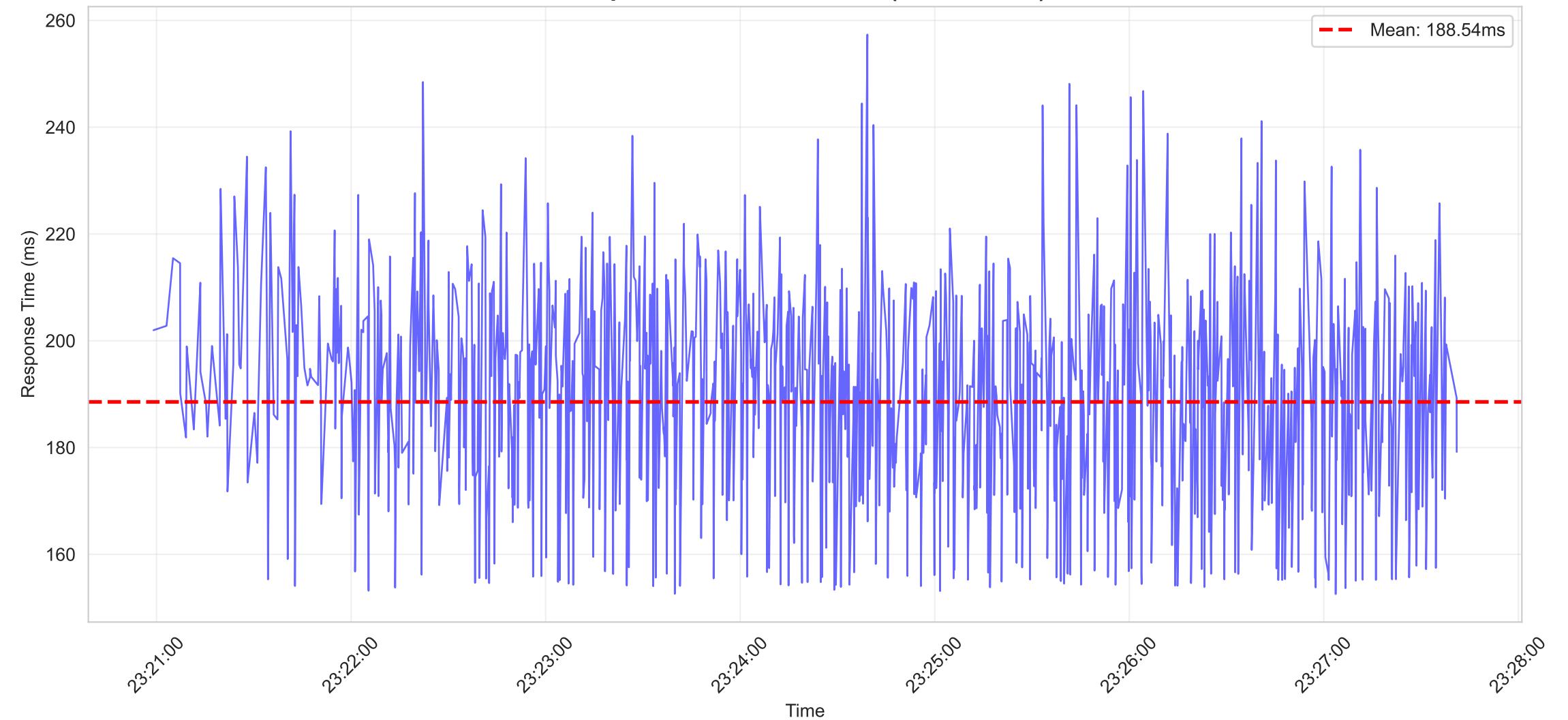
### Success vs Error Rate (15 user test)



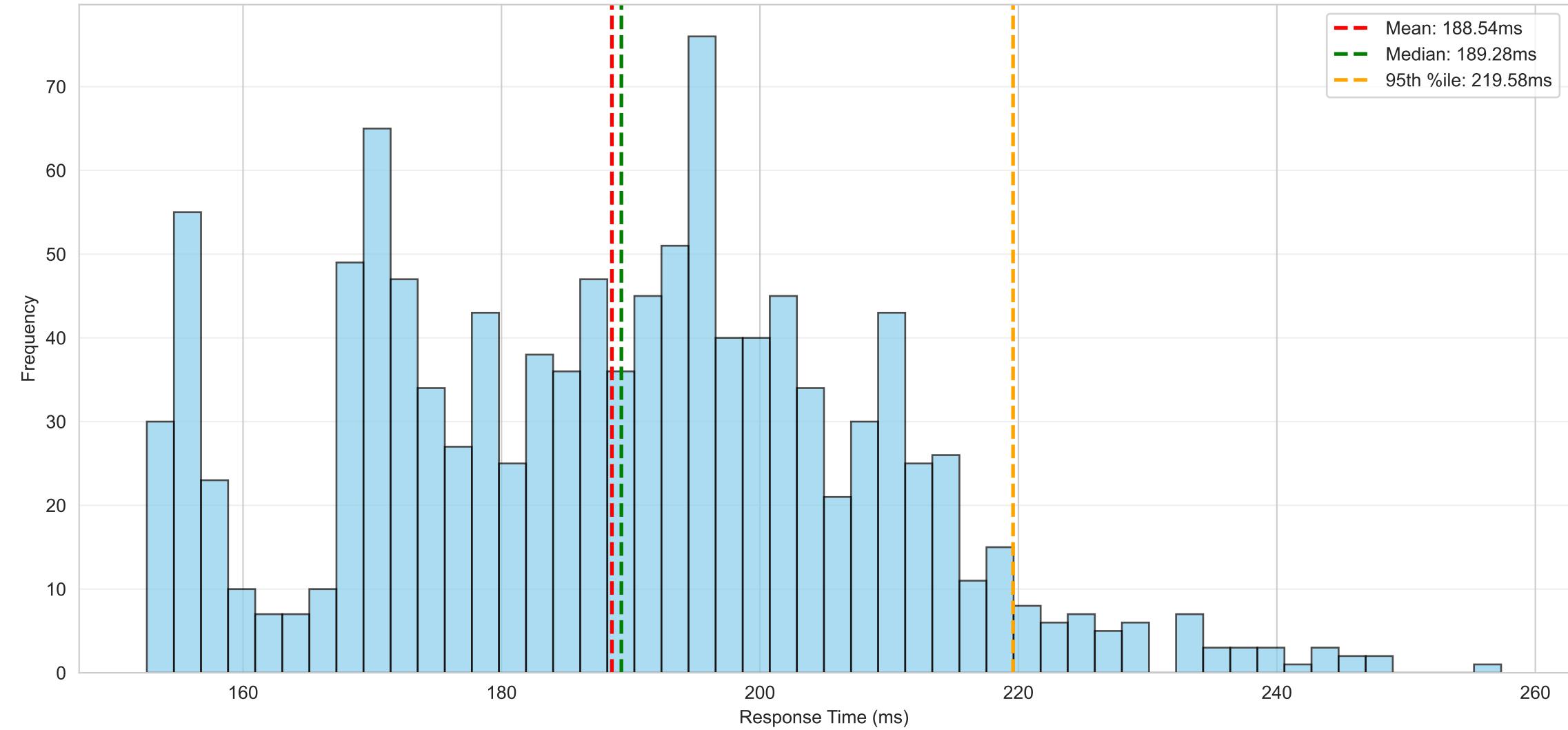
## Performance Metrics Summary (20 user test.)

| Metric                    | Value   |
|---------------------------|---------|
| Total Requests            | 1148    |
| Total Suites              | 1       |
| Max Concurrent Users      | 20      |
| Total Errors              | 0       |
| Error Rate (%)            | 0.00    |
| Avg Response Time (ms)    | 188.54  |
| Min Response Time (ms)    | 152.56  |
| Max Response Time (ms)    | 257.35  |
| Median Response Time (ms) | 189.28  |
| 95th Percentile (ms)      | 219.58  |
| 99th Percentile (ms)      | 238.61  |
| Avg Think Time (ms)       | 5975.61 |

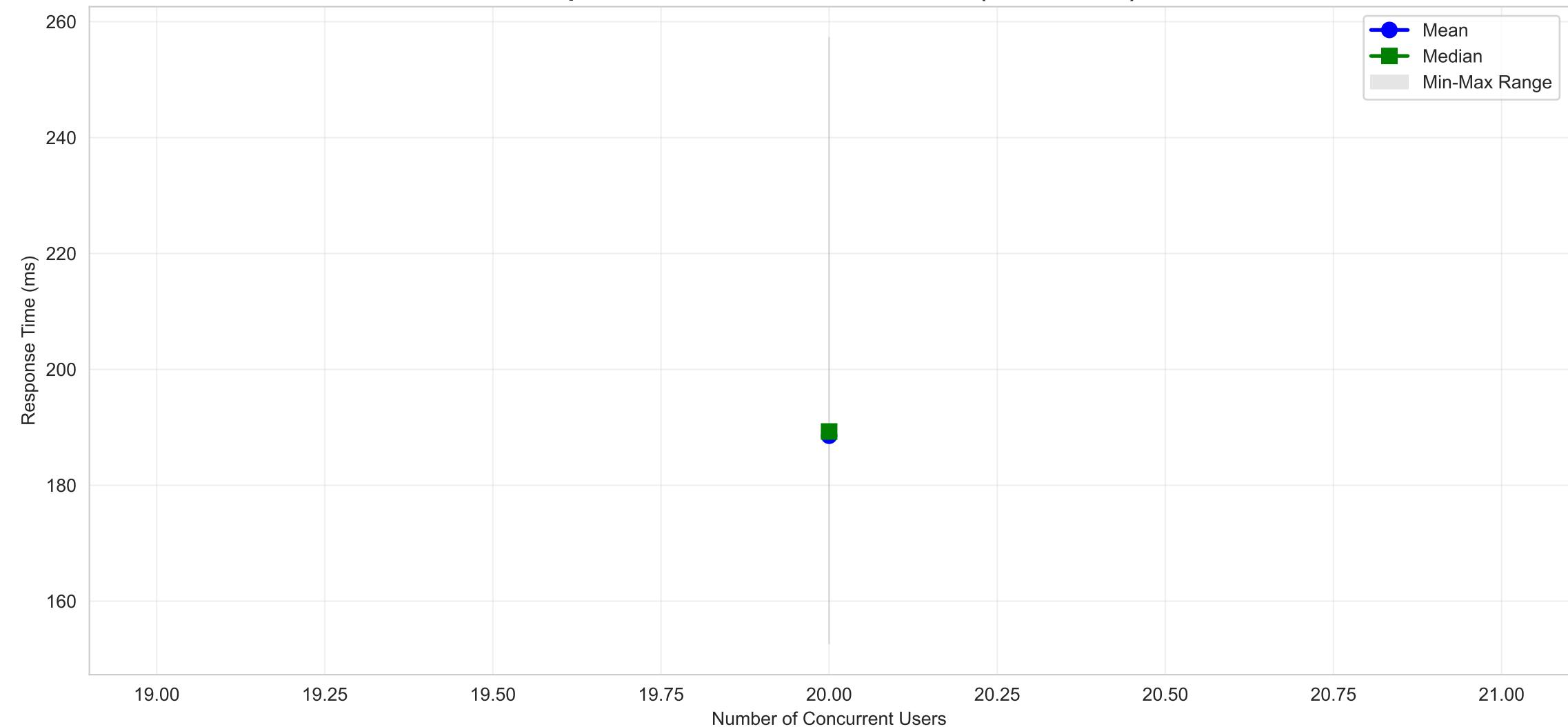
## Response Time Over Time (20 user test)



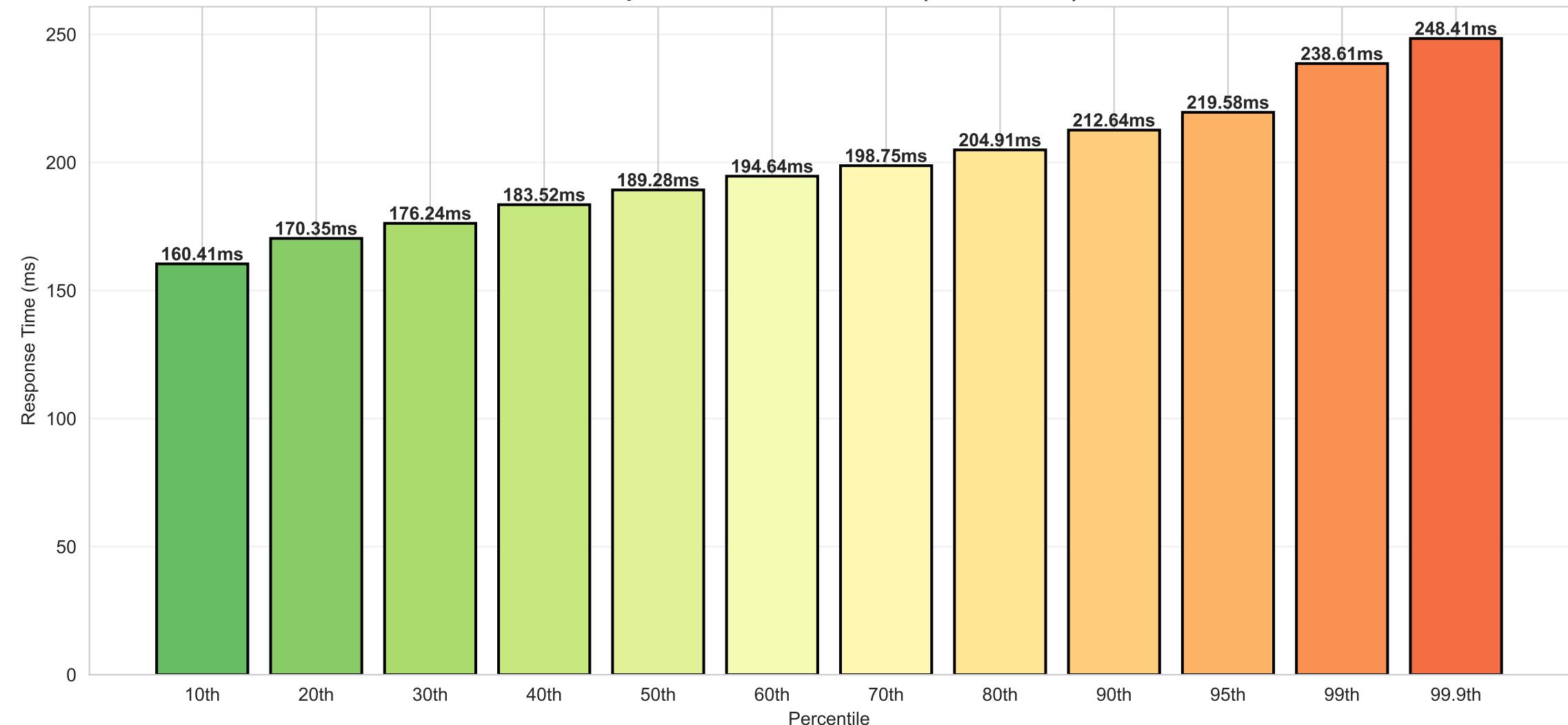
## Response Time Distribution (20 user test)



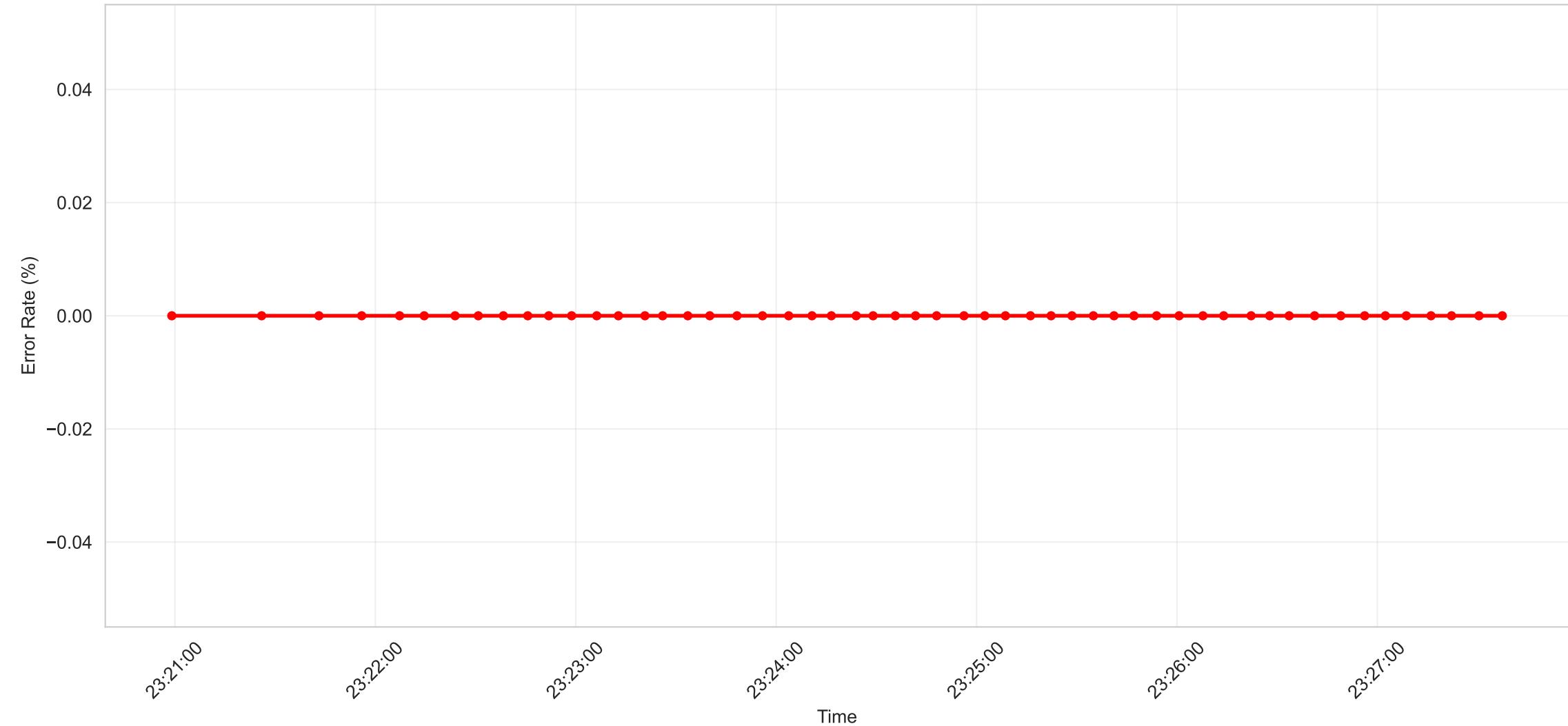
## Response Time vs Concurrent Users (20 user test)



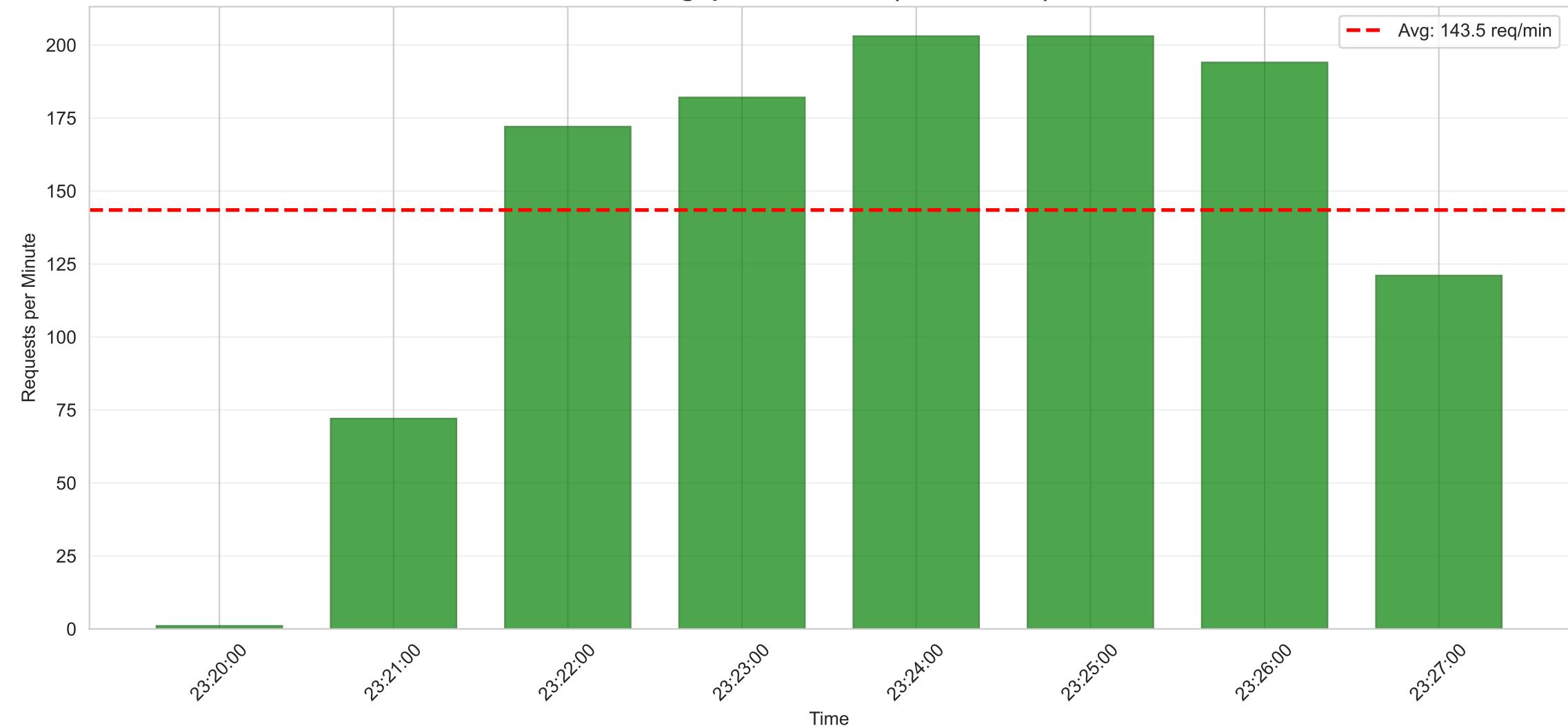
## Response Time Percentiles (20 user test)



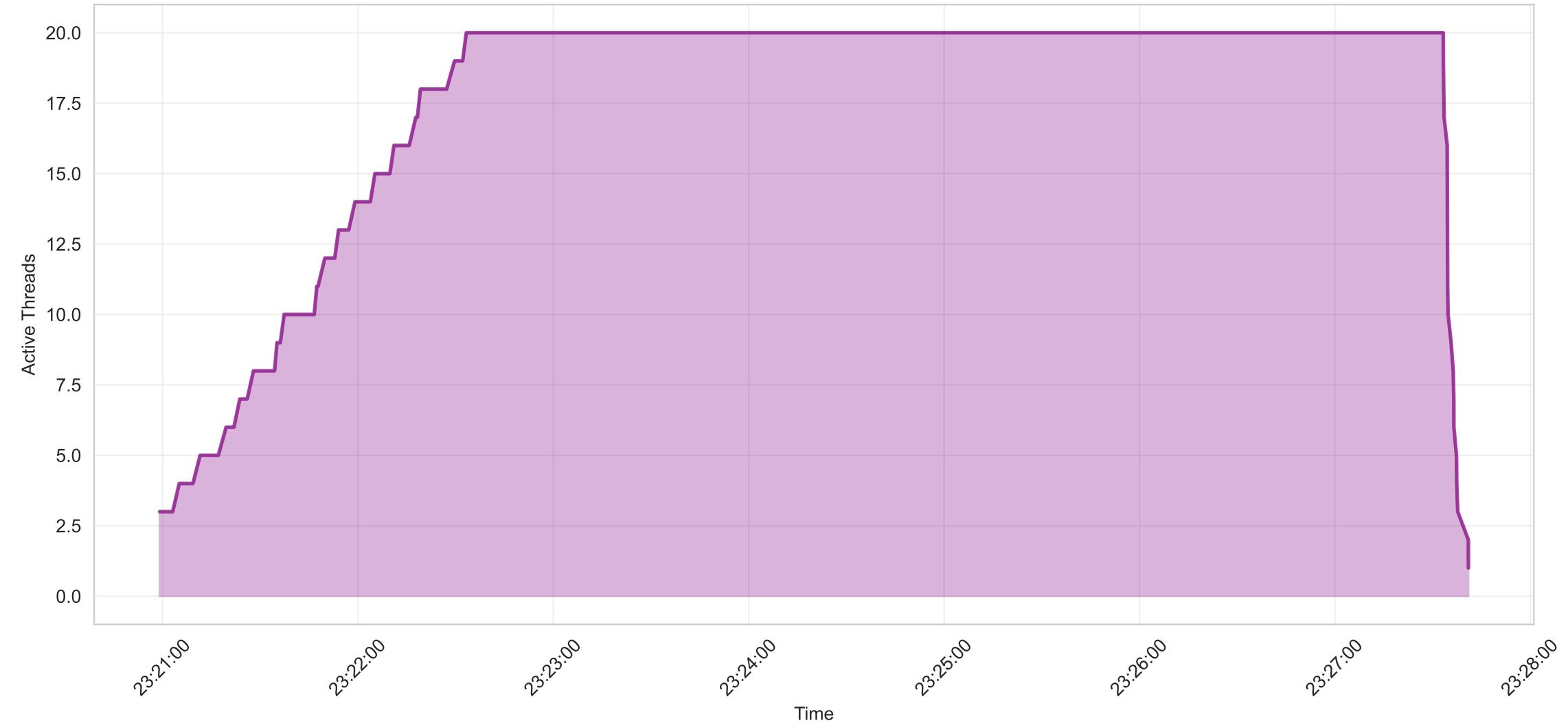
## Error Rate Over Time (20 user test)



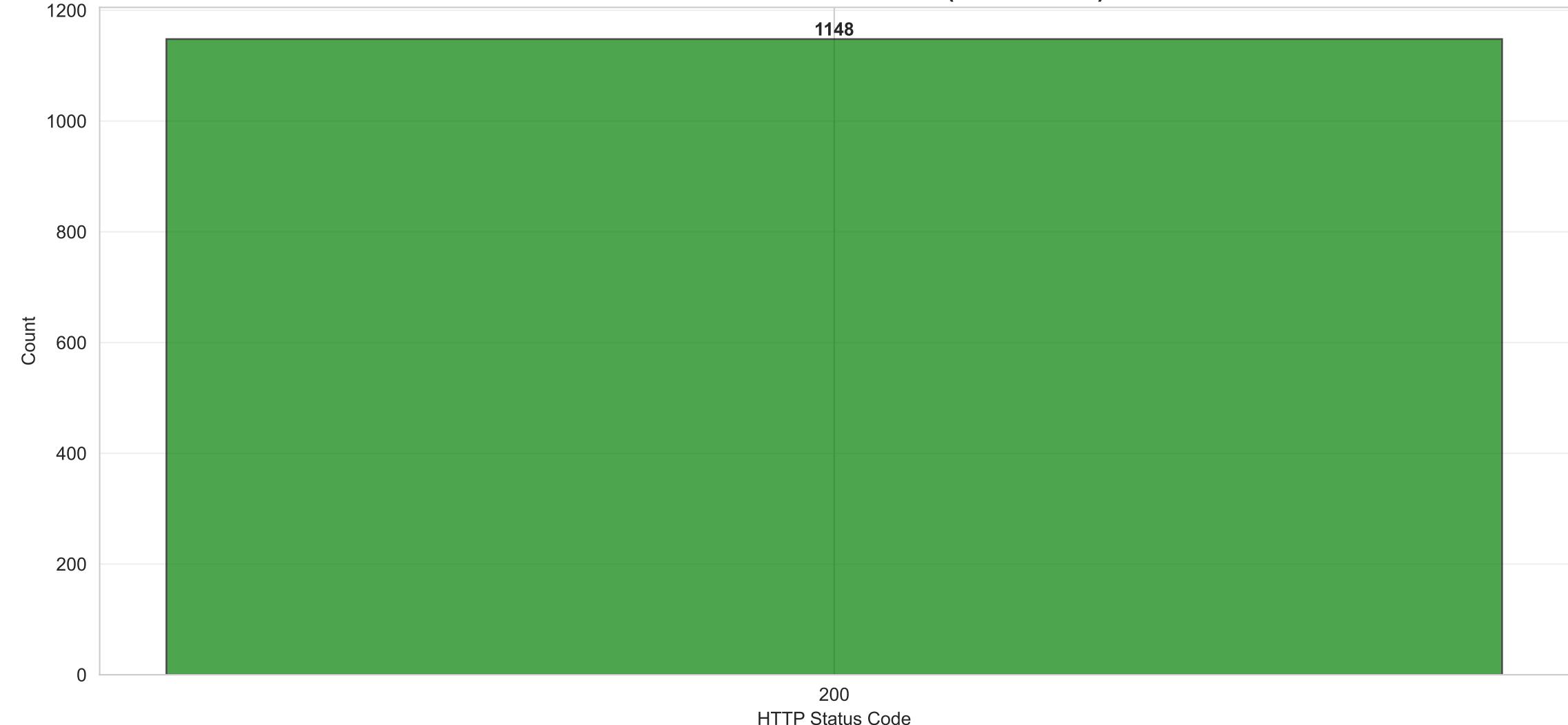
## Throughput Over Time (20 user test)



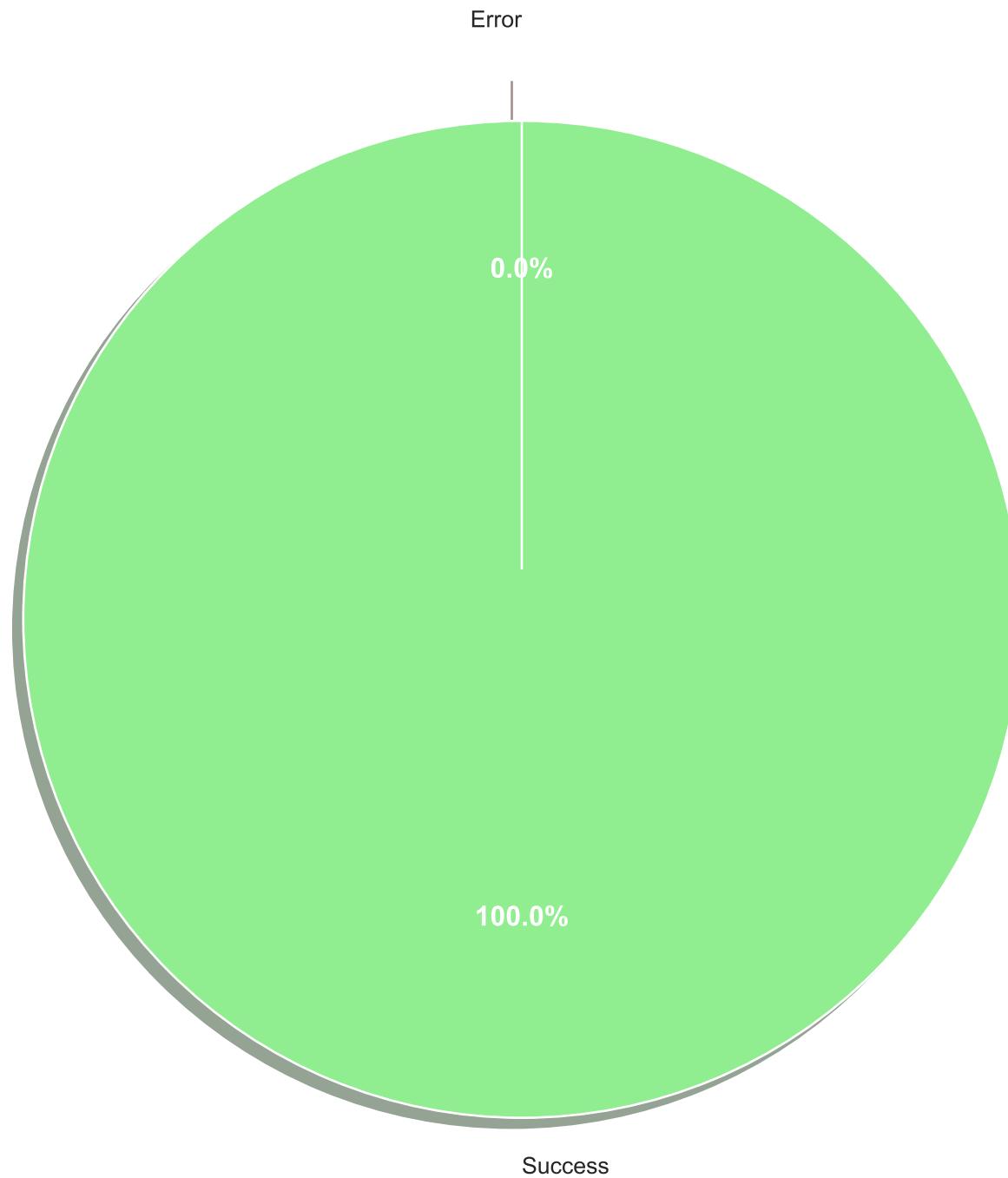
## Active Threads Over Time (20 user test)



## HTTP Status Code Distribution (20 user test)



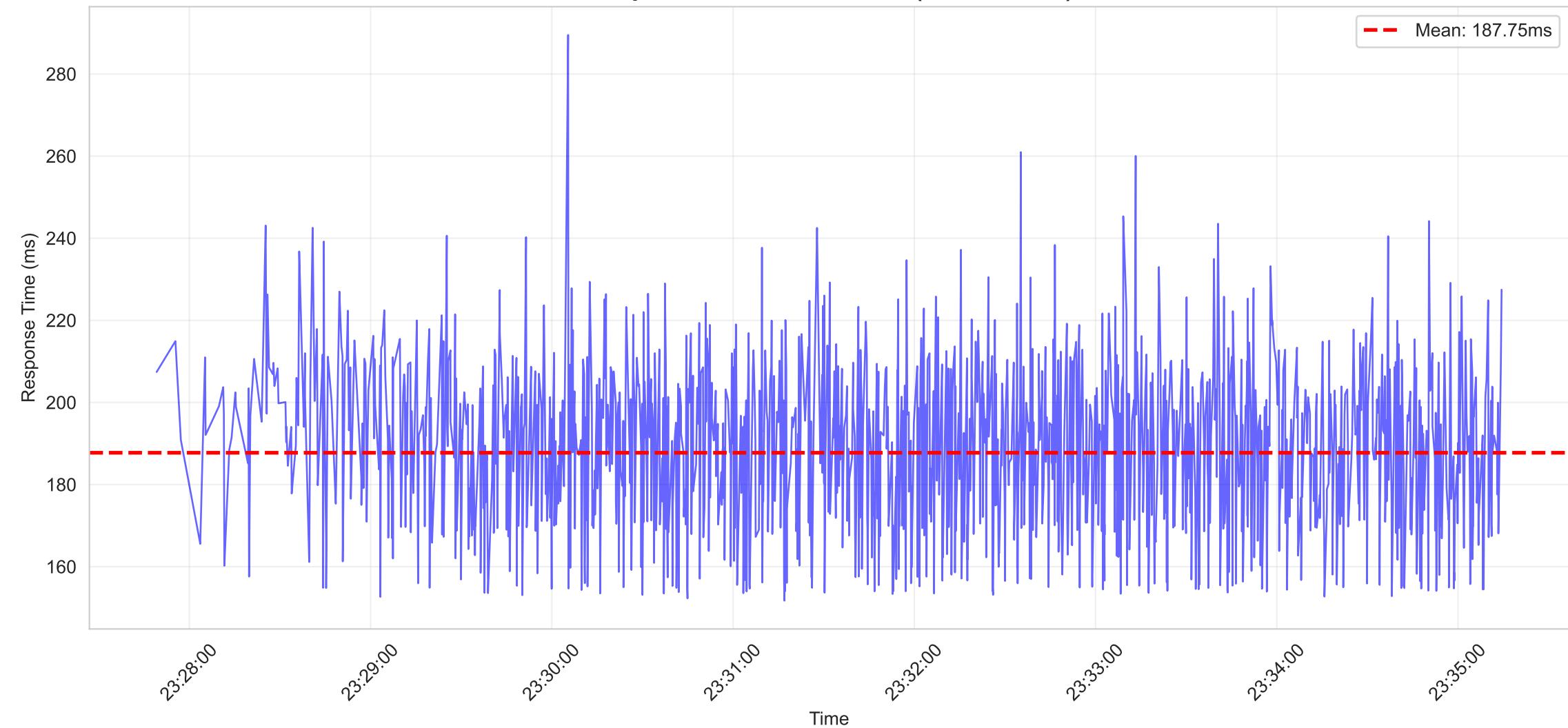
## Success vs Error Rate (20 user test)



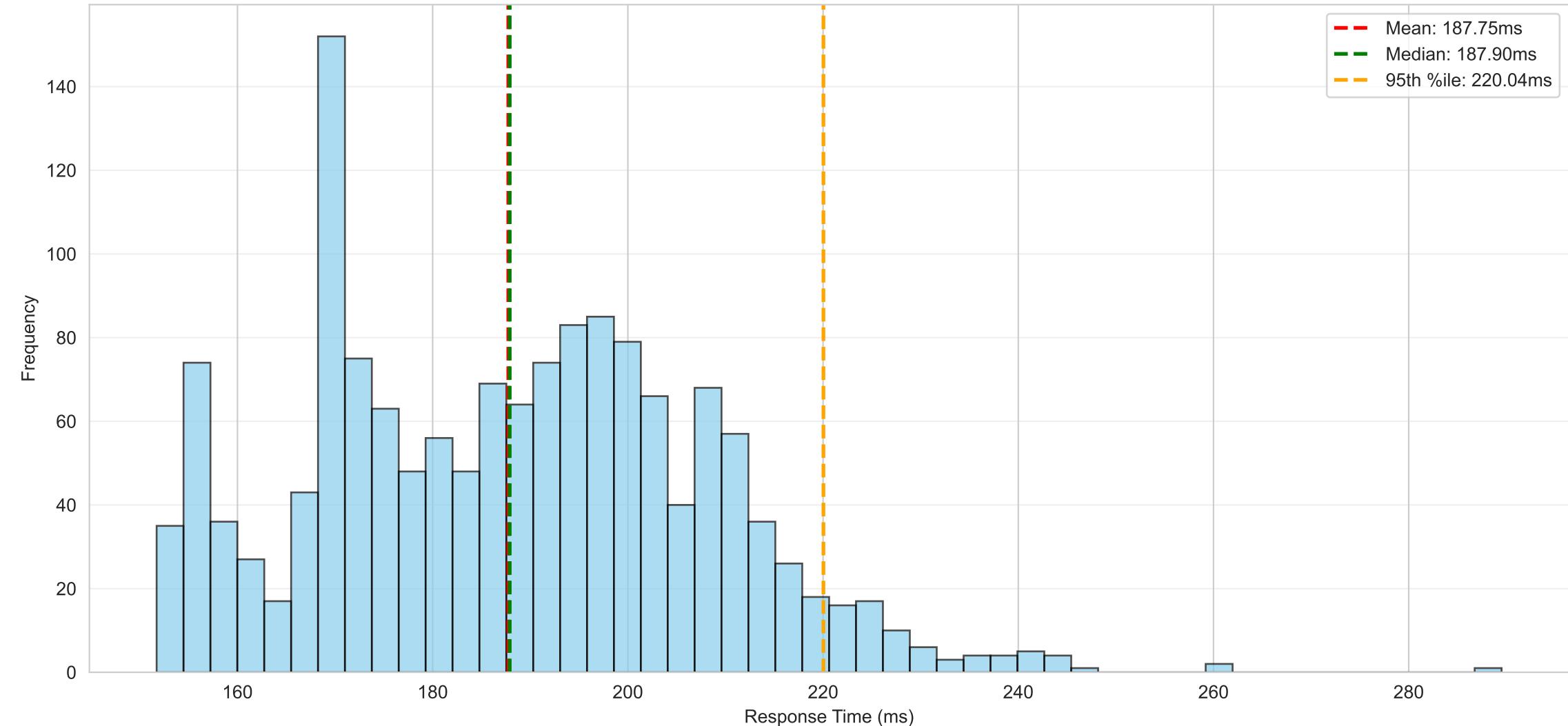
# Performance Metrics Summary (25 user test.)

| Metric                    | Value   |
|---------------------------|---------|
| Total Requests            | 1512    |
| Total Suites              | 1       |
| Max Concurrent Users      | 25      |
| Total Errors              | 0       |
| Error Rate (%)            | 0.00    |
| Avg Response Time (ms)    | 187.75  |
| Min Response Time (ms)    | 151.72  |
| Max Response Time (ms)    | 289.52  |
| Median Response Time (ms) | 187.90  |
| 95th Percentile (ms)      | 220.04  |
| 99th Percentile (ms)      | 237.64  |
| Avg Think Time (ms)       | 6050.26 |

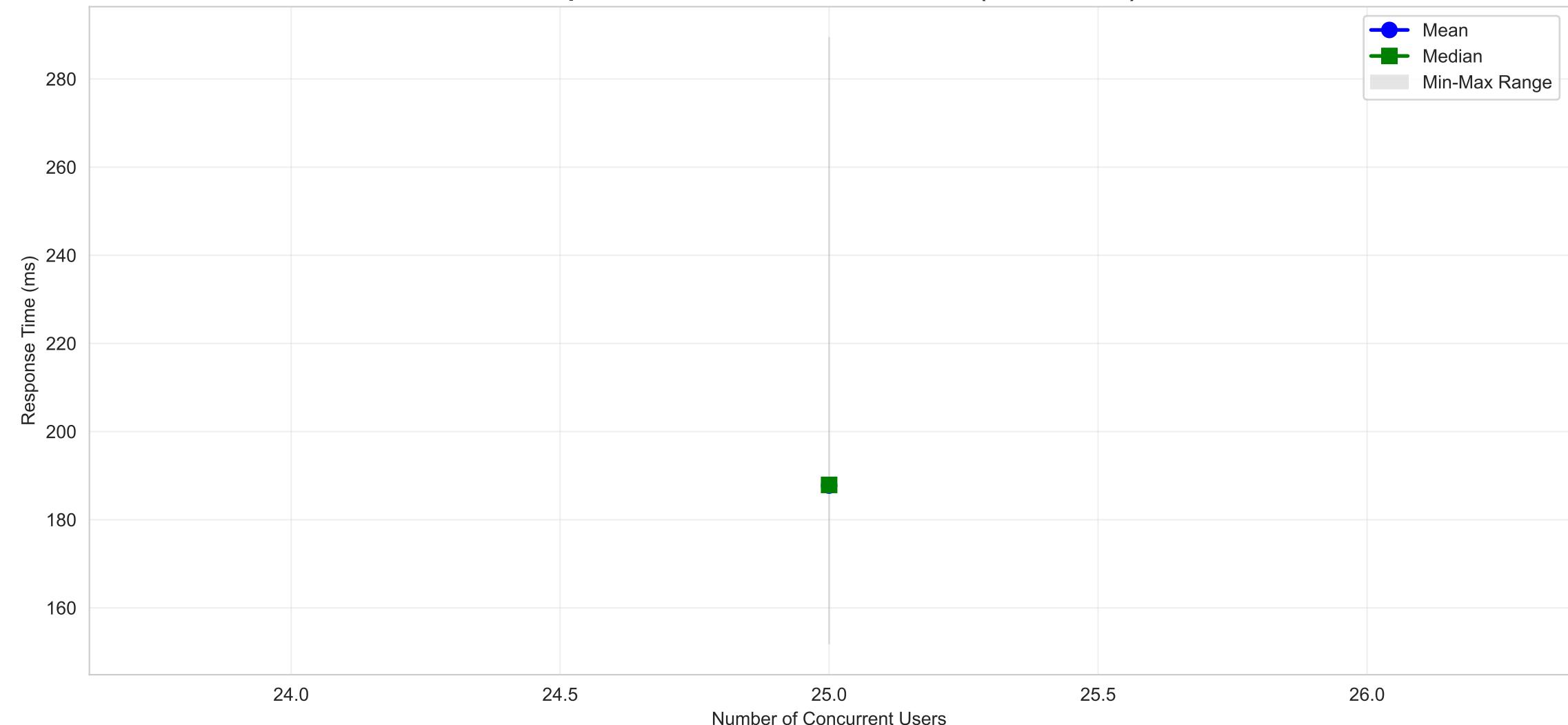
## Response Time Over Time (25 user test)



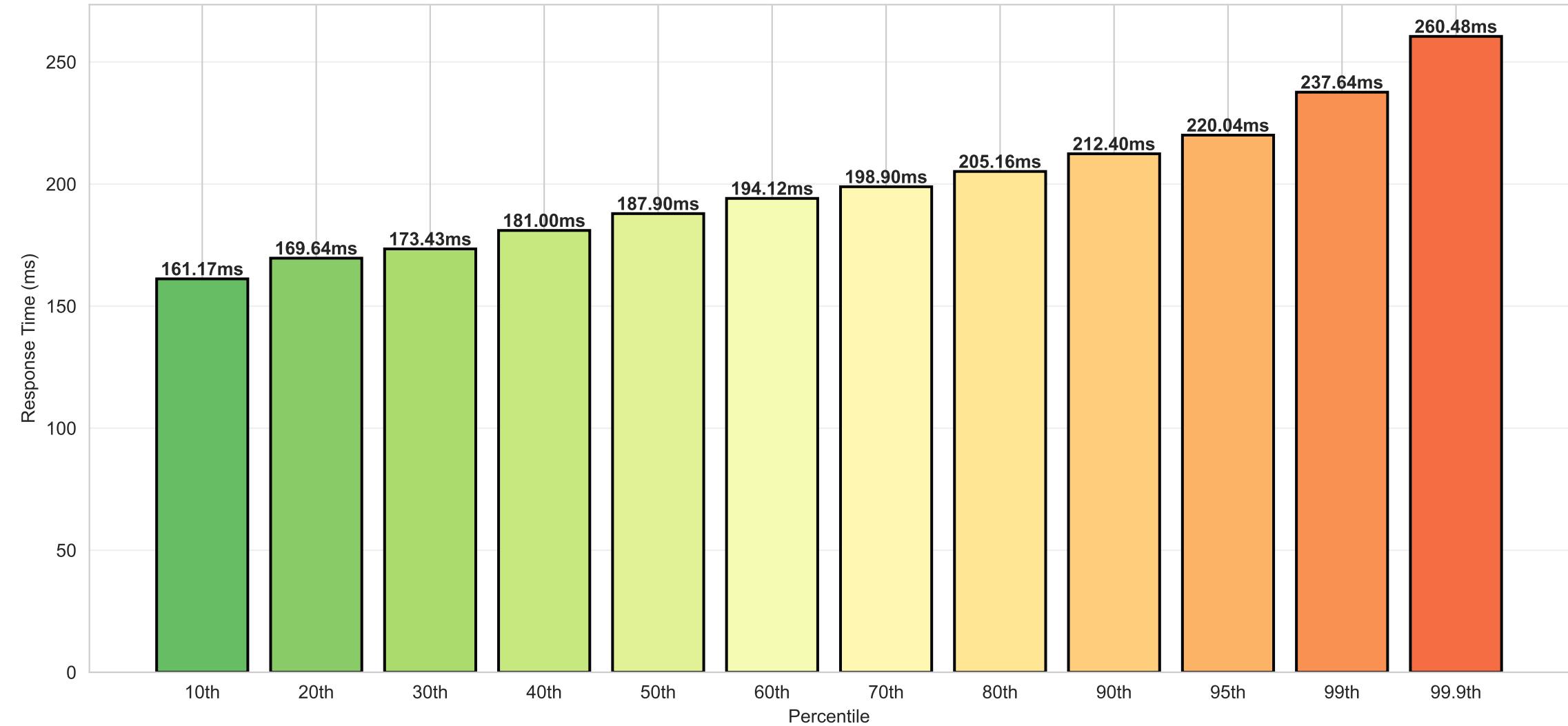
## Response Time Distribution (25 user test)



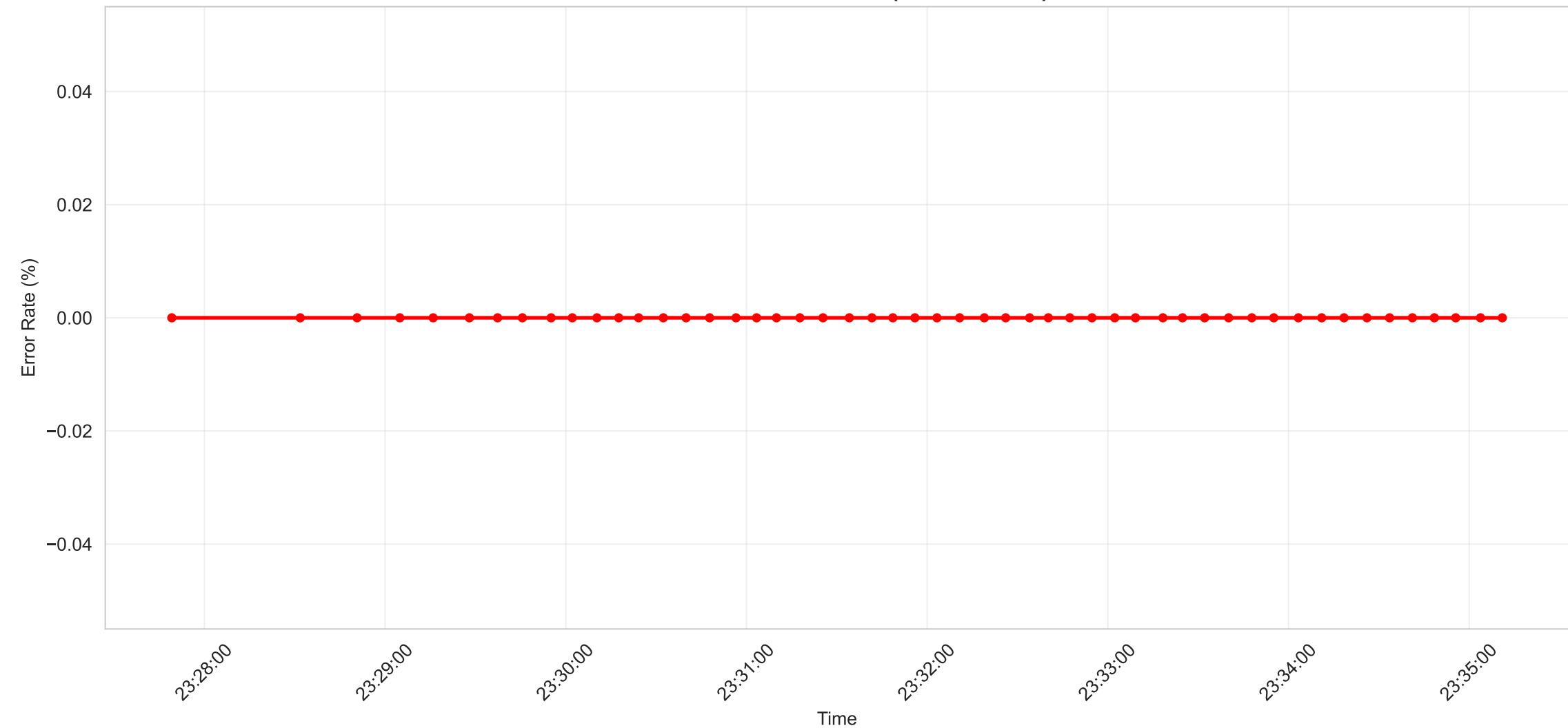
## Response Time vs Concurrent Users (25 user test)



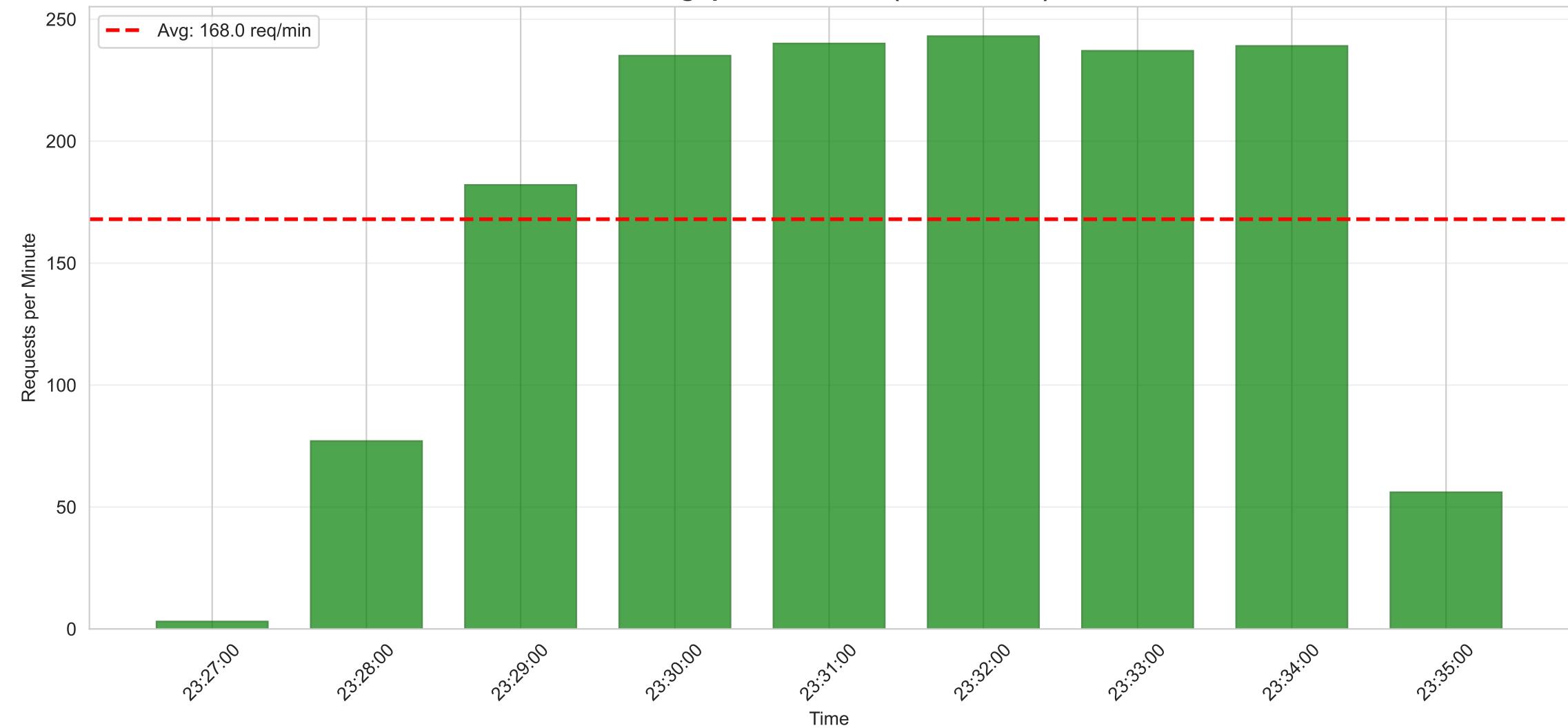
## Response Time Percentiles (25 user test)



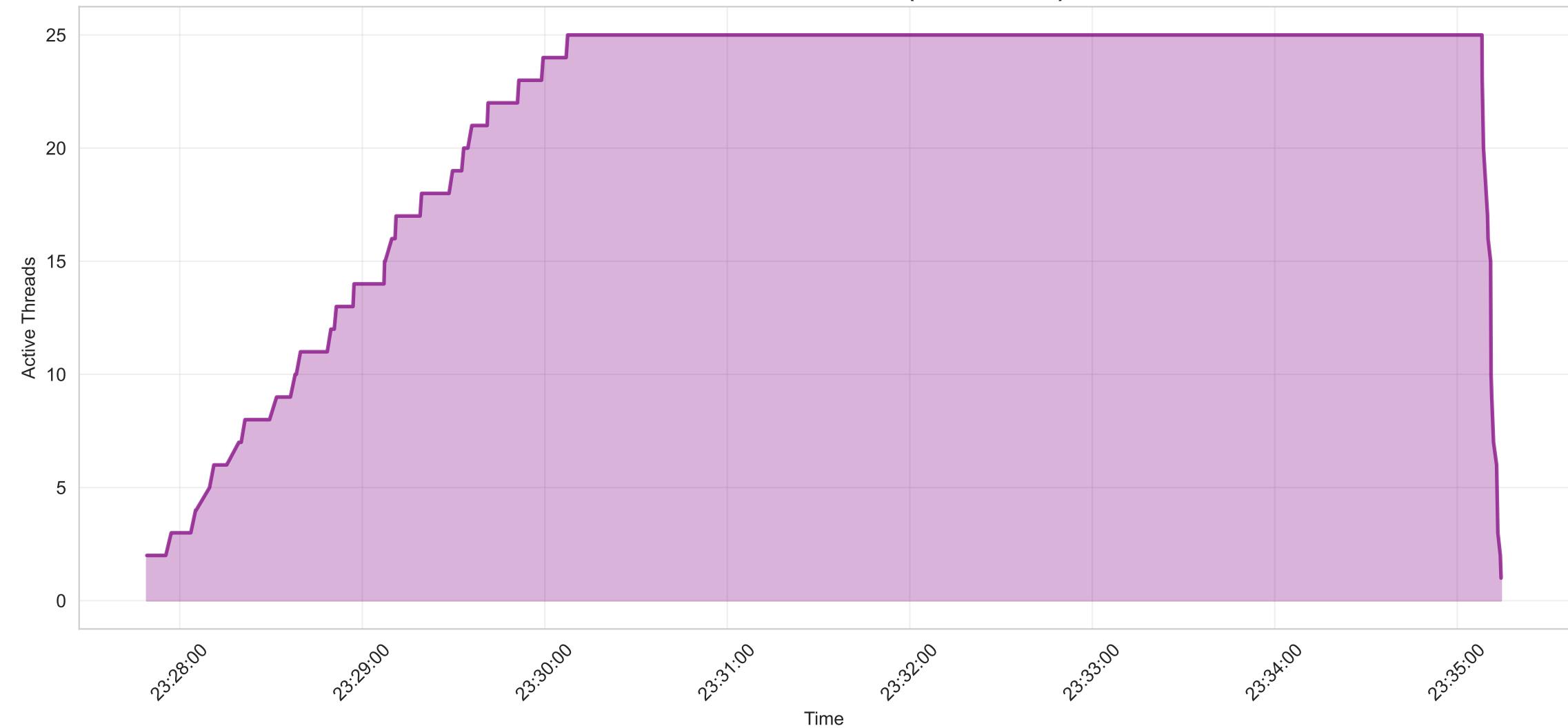
## Error Rate Over Time (25 user test)



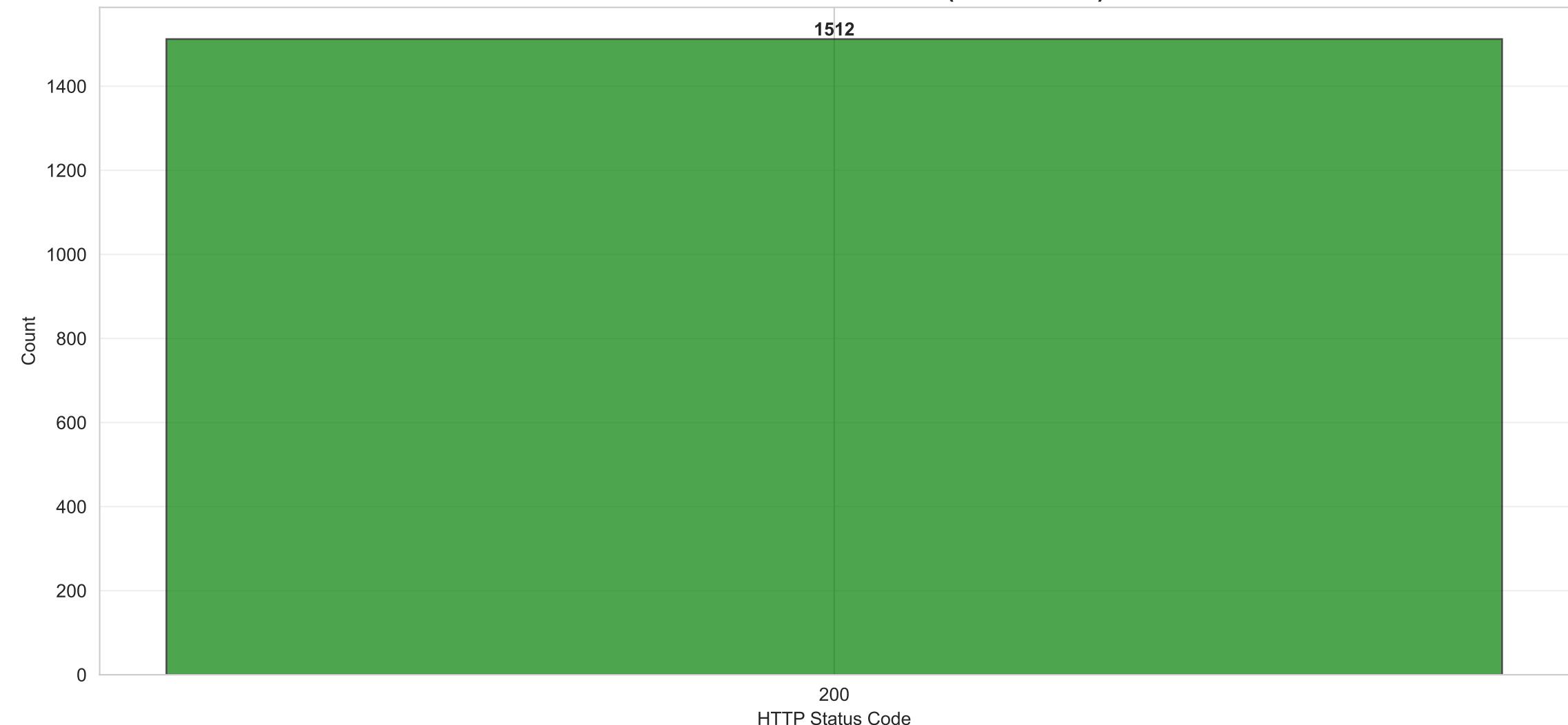
## Throughput Over Time (25 user test)



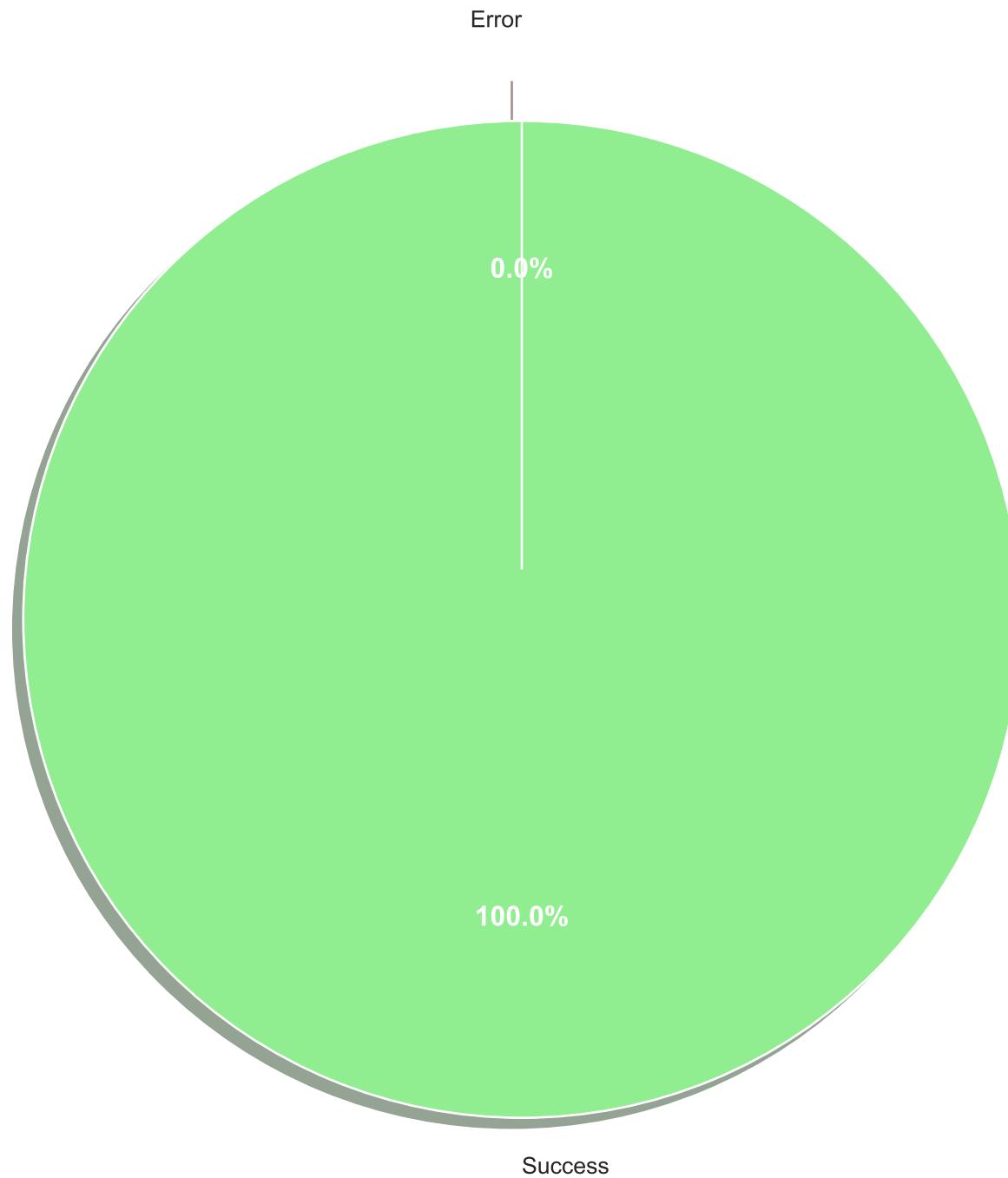
## Active Threads Over Time (25 user test)



## HTTP Status Code Distribution (25 user test)



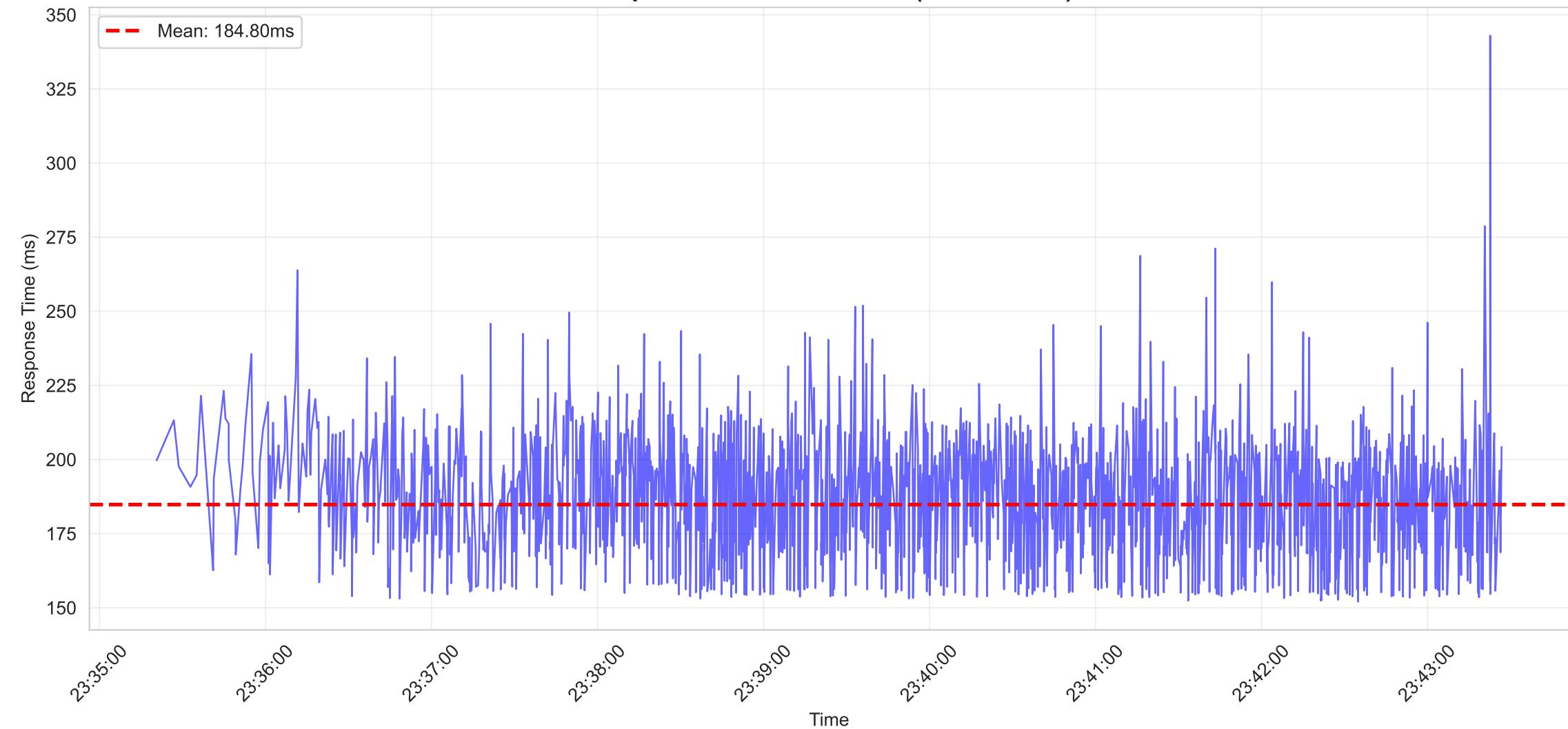
## Success vs Error Rate (25 user test)



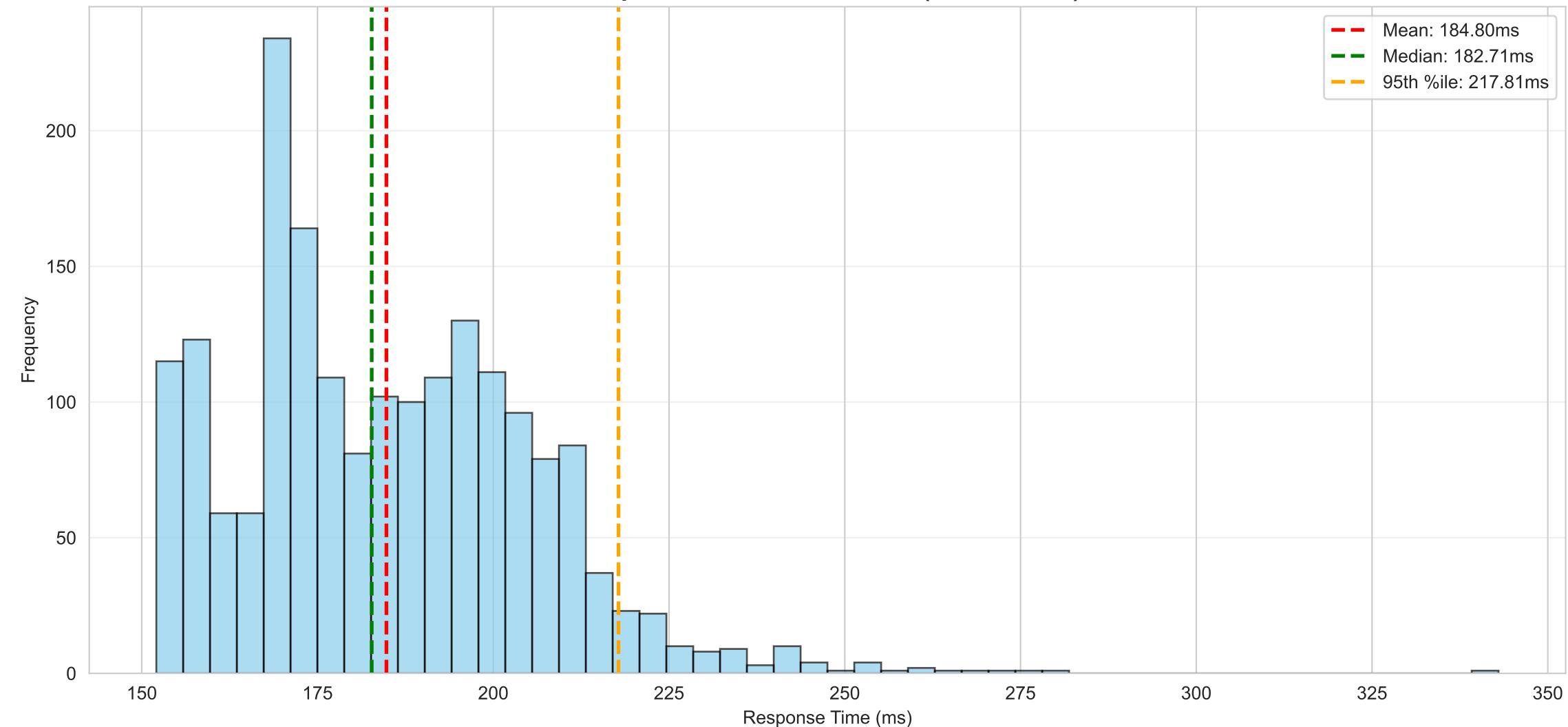
# Performance Metrics Summary (30 user test.)

| Metric                    | Value   |
|---------------------------|---------|
| Total Requests            | 1895    |
| Total Suites              | 1       |
| Max Concurrent Users      | 30      |
| Total Errors              | 0       |
| Error Rate (%)            | 0.00    |
| Avg Response Time (ms)    | 184.80  |
| Min Response Time (ms)    | 152.07  |
| Max Response Time (ms)    | 342.99  |
| Median Response Time (ms) | 182.71  |
| 95th Percentile (ms)      | 217.81  |
| 99th Percentile (ms)      | 242.99  |
| Avg Think Time (ms)       | 6016.89 |

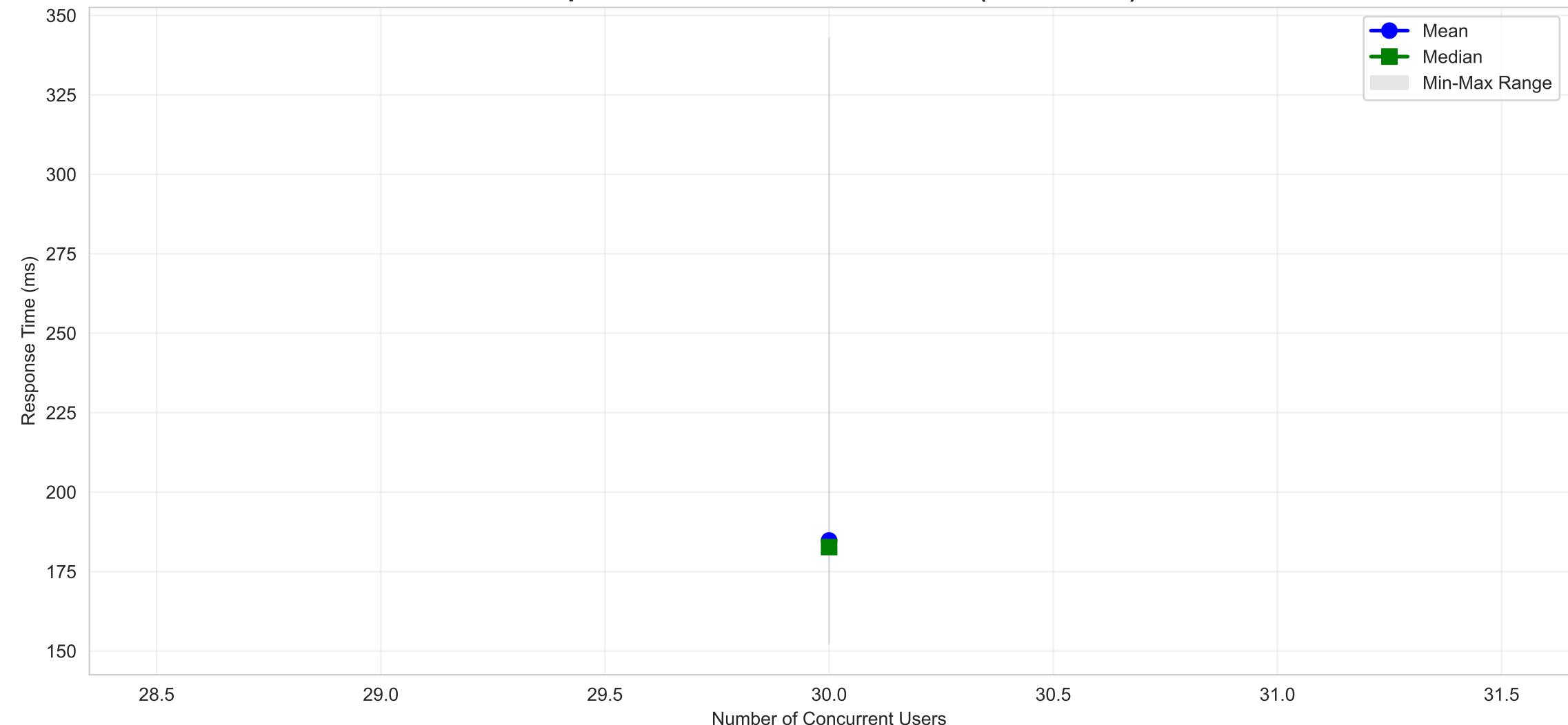
## Response Time Over Time (30 user test)



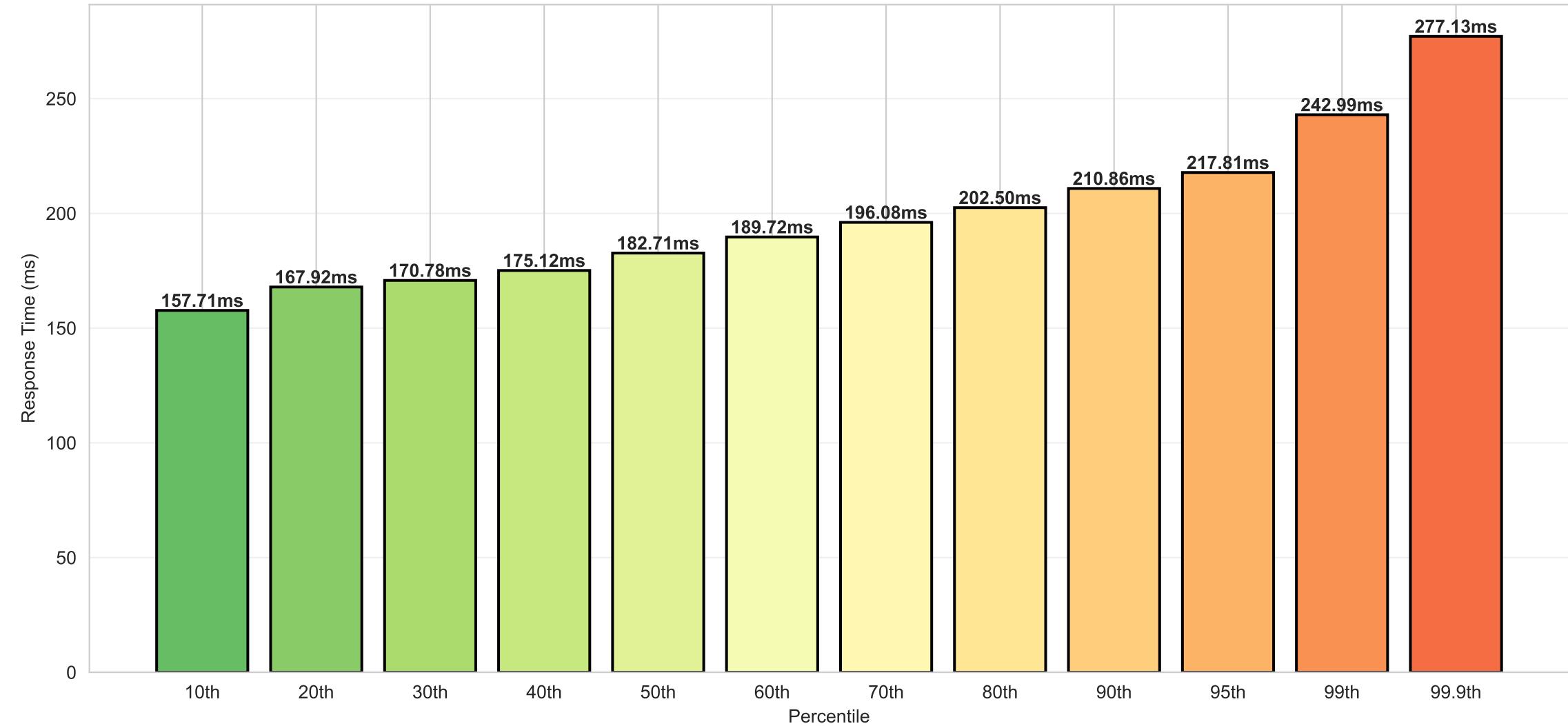
## Response Time Distribution (30 user test)



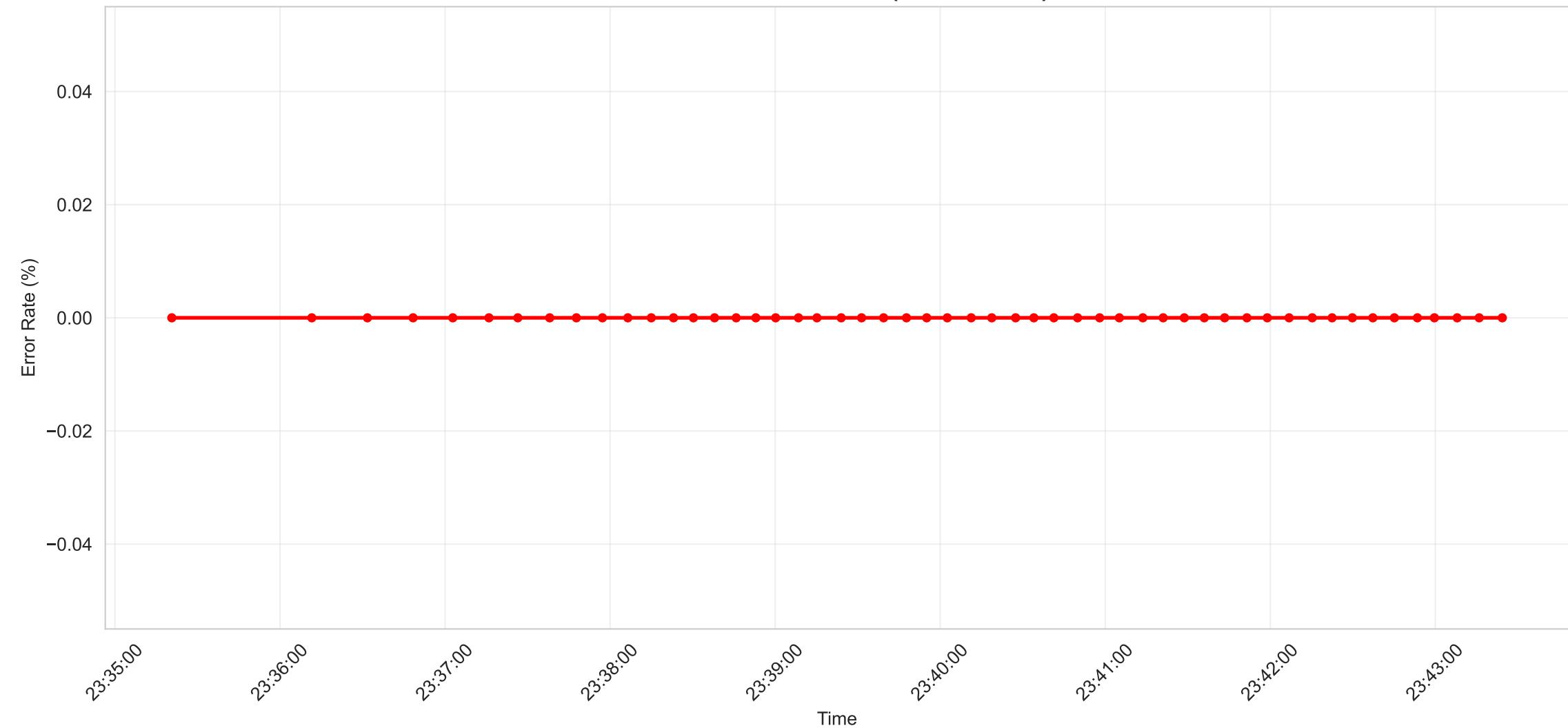
## Response Time vs Concurrent Users (30 user test)



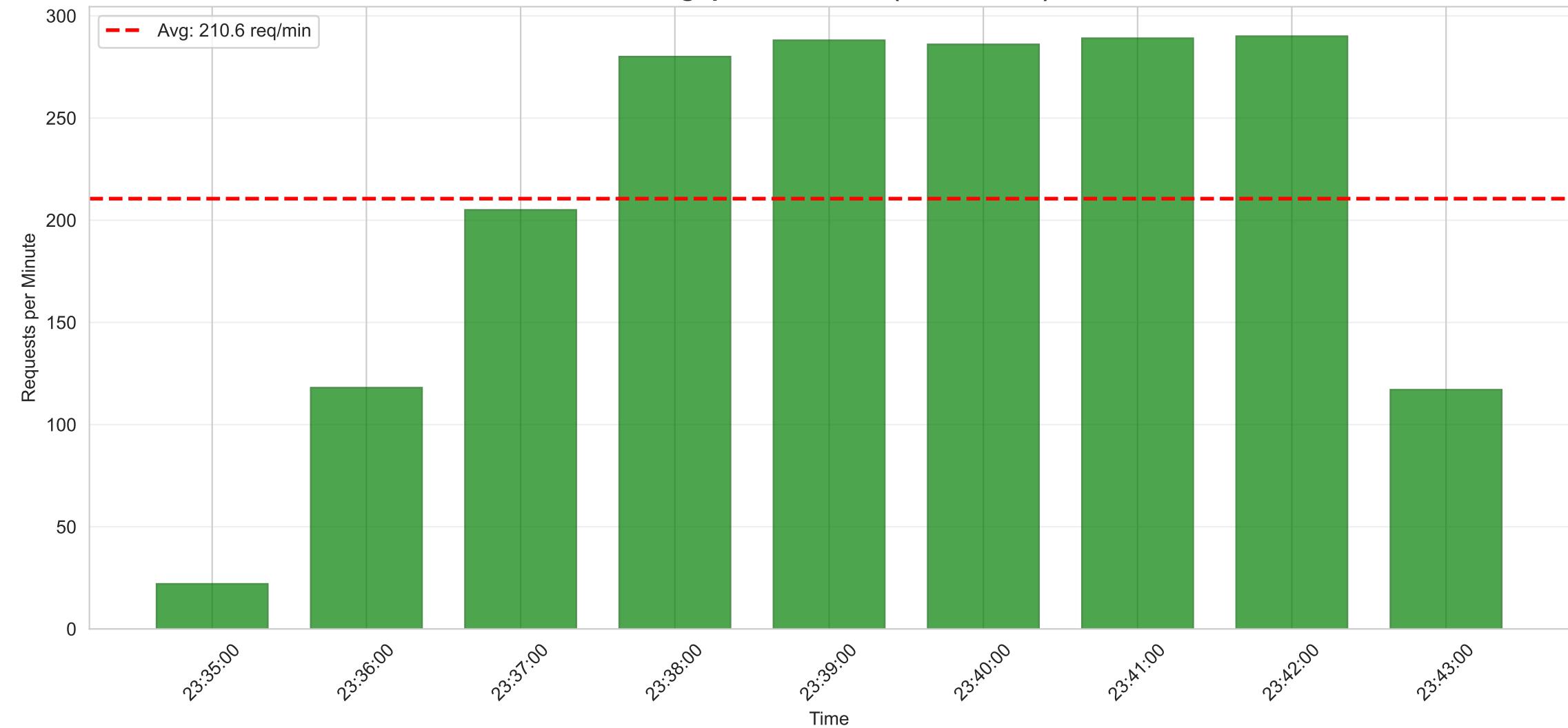
## Response Time Percentiles (30 user test)



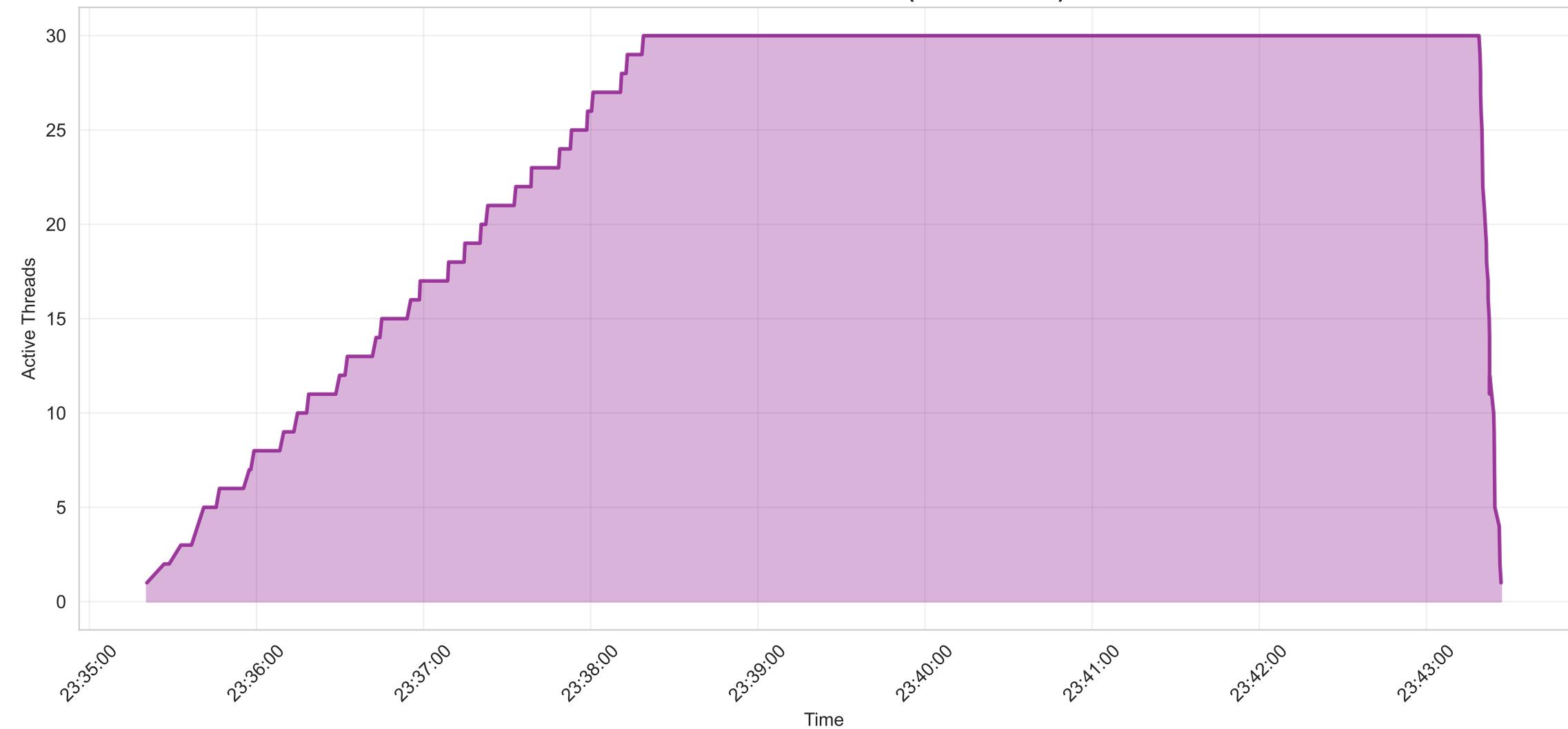
## Error Rate Over Time (30 user test)



## Throughput Over Time (30 user test)

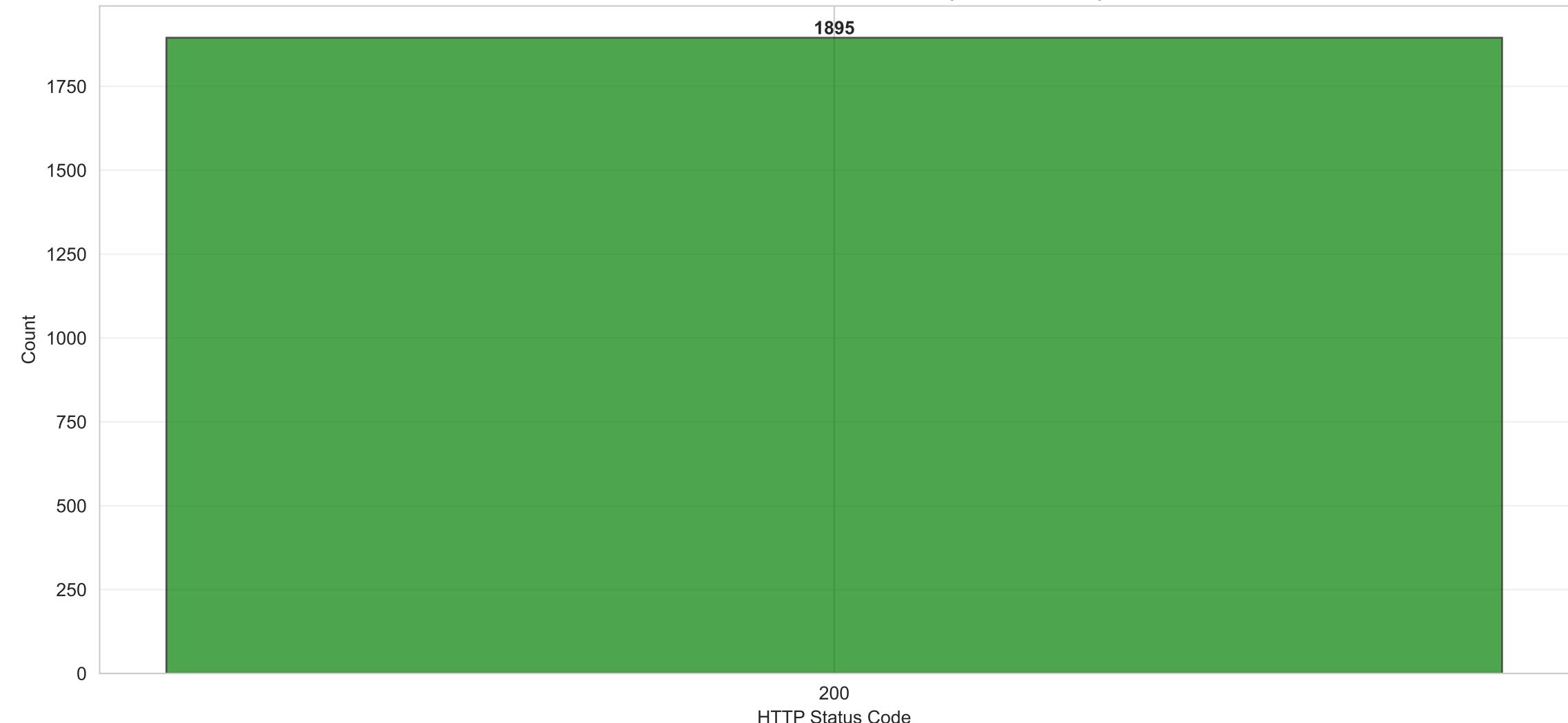


## Active Threads Over Time (30 user test)

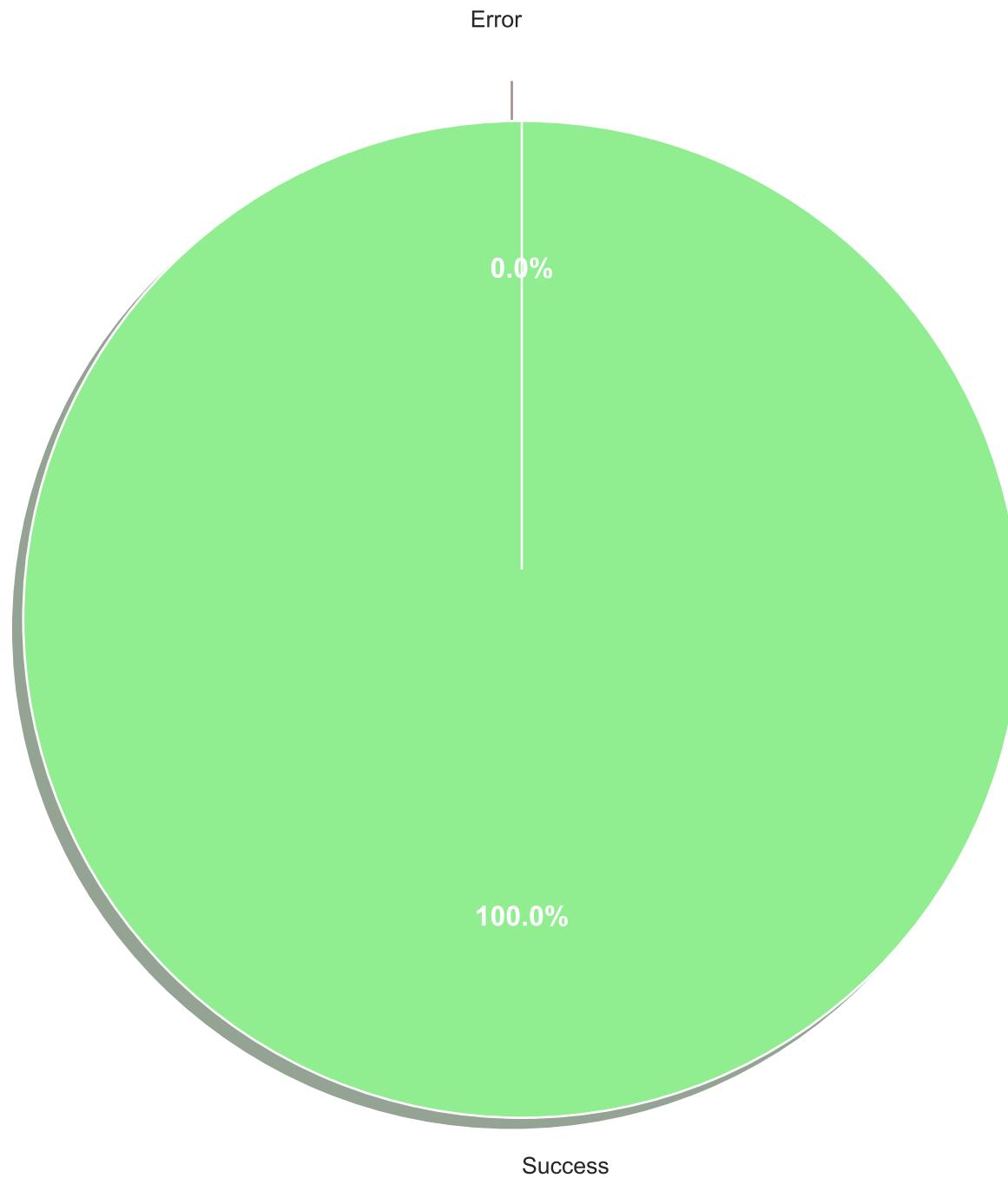


## HTTP Status Code Distribution (30 user test)

1895



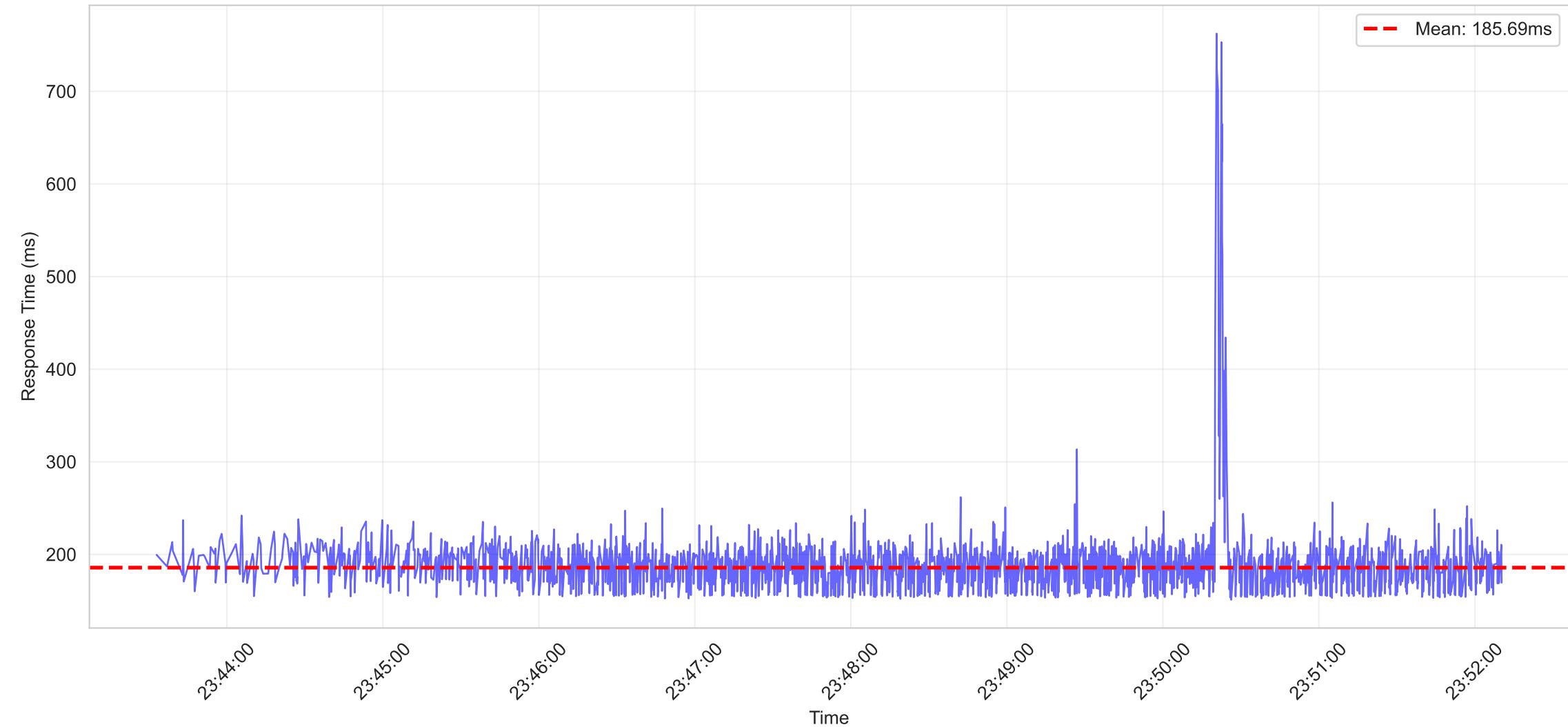
### Success vs Error Rate (30 user test)



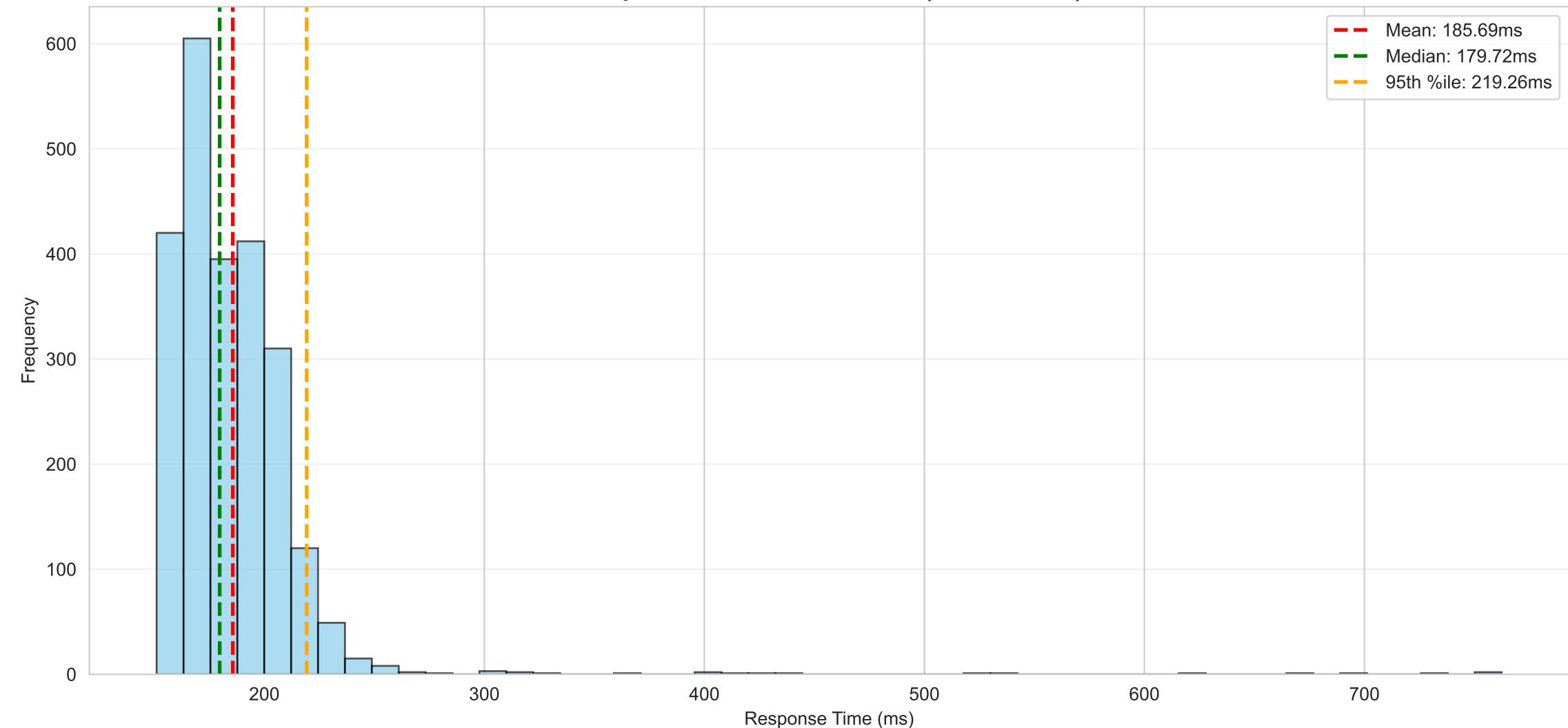
## Performance Metrics Summary (35 user test.)

| Metric                    | Value   |
|---------------------------|---------|
| Total Requests            | 2357    |
| Total Suites              | 1       |
| Max Concurrent Users      | 35      |
| Total Errors              | 0       |
| Error Rate (%)            | 0.00    |
| Avg Response Time (ms)    | 185.69  |
| Min Response Time (ms)    | 151.07  |
| Max Response Time (ms)    | 762.36  |
| Median Response Time (ms) | 179.72  |
| 95th Percentile (ms)      | 219.26  |
| 99th Percentile (ms)      | 259.98  |
| Avg Think Time (ms)       | 6001.70 |

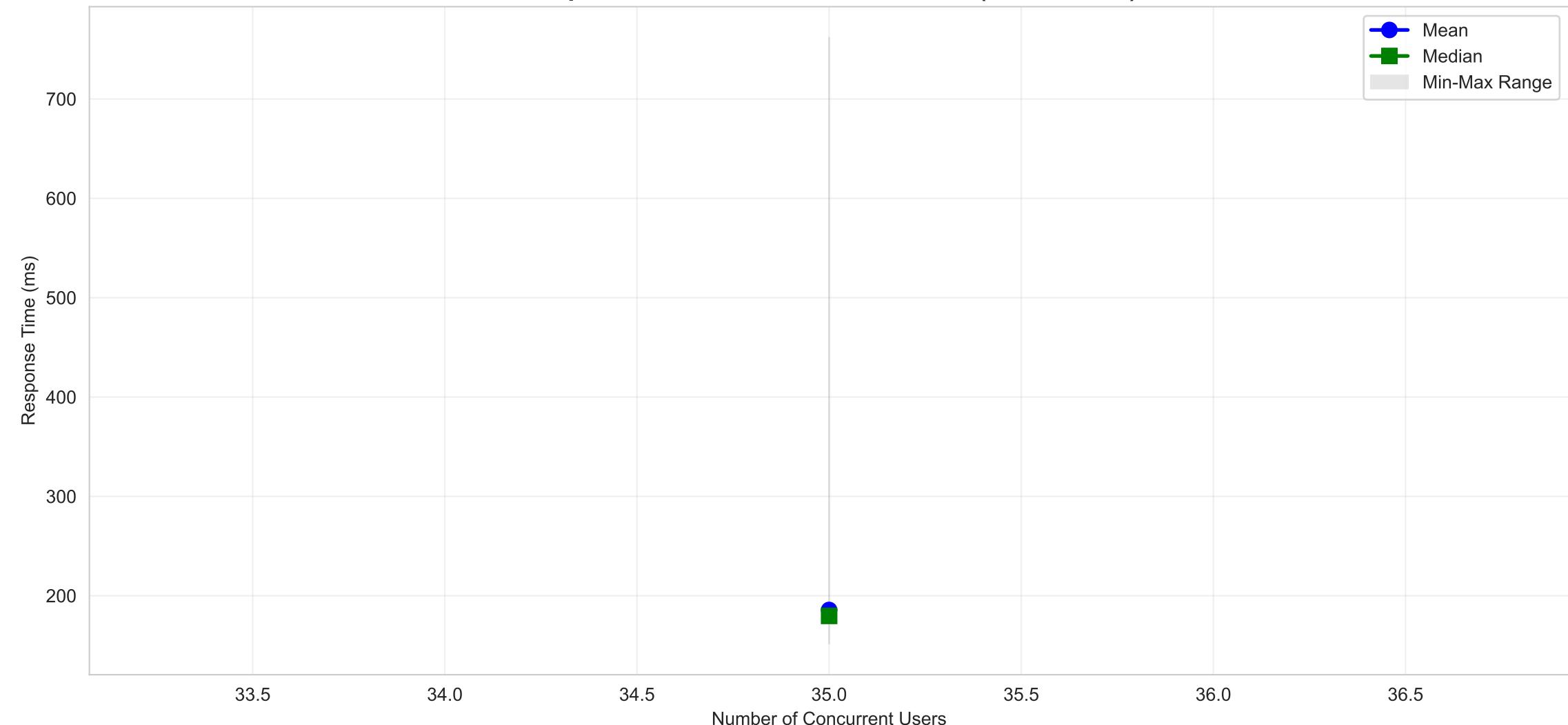
## Response Time Over Time (35 user test)



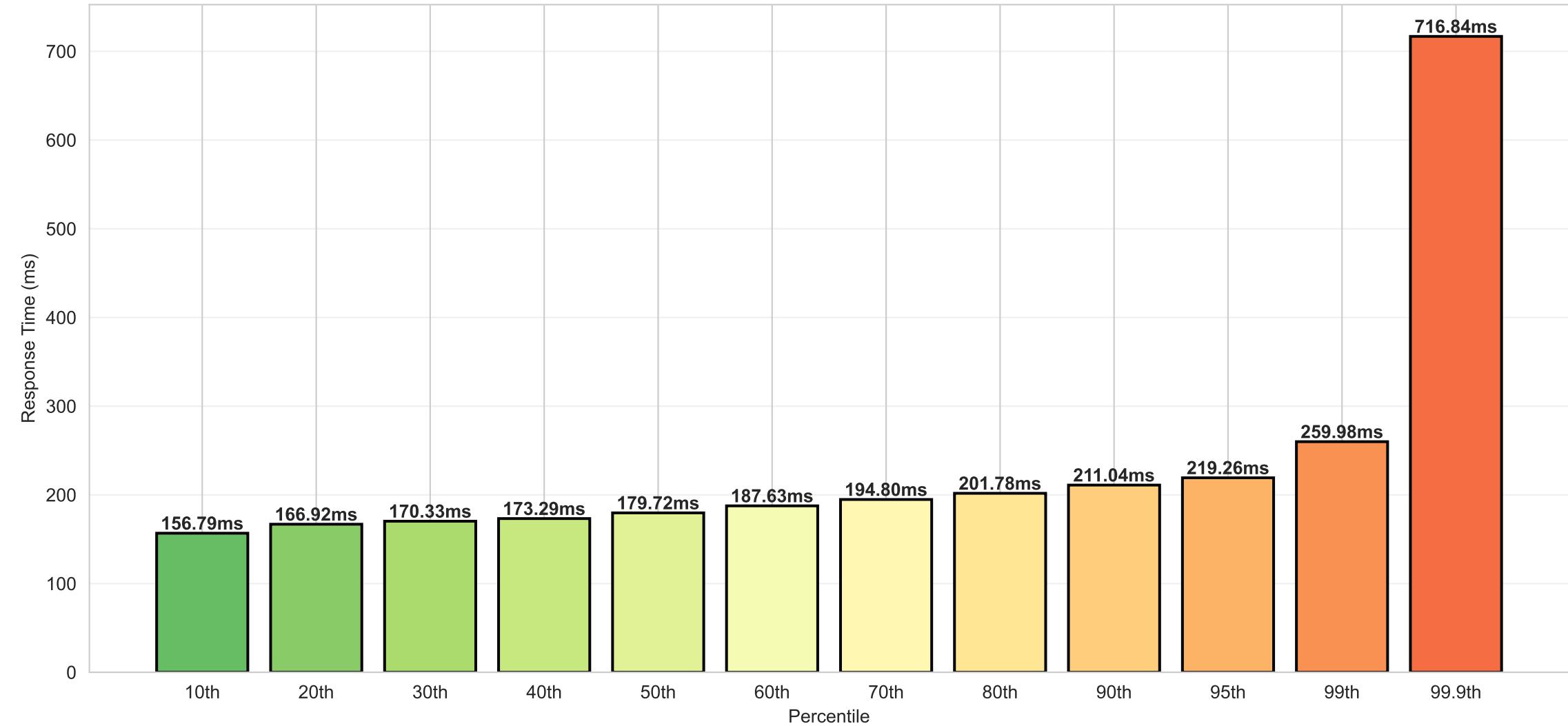
## Response Time Distribution (35 user test)



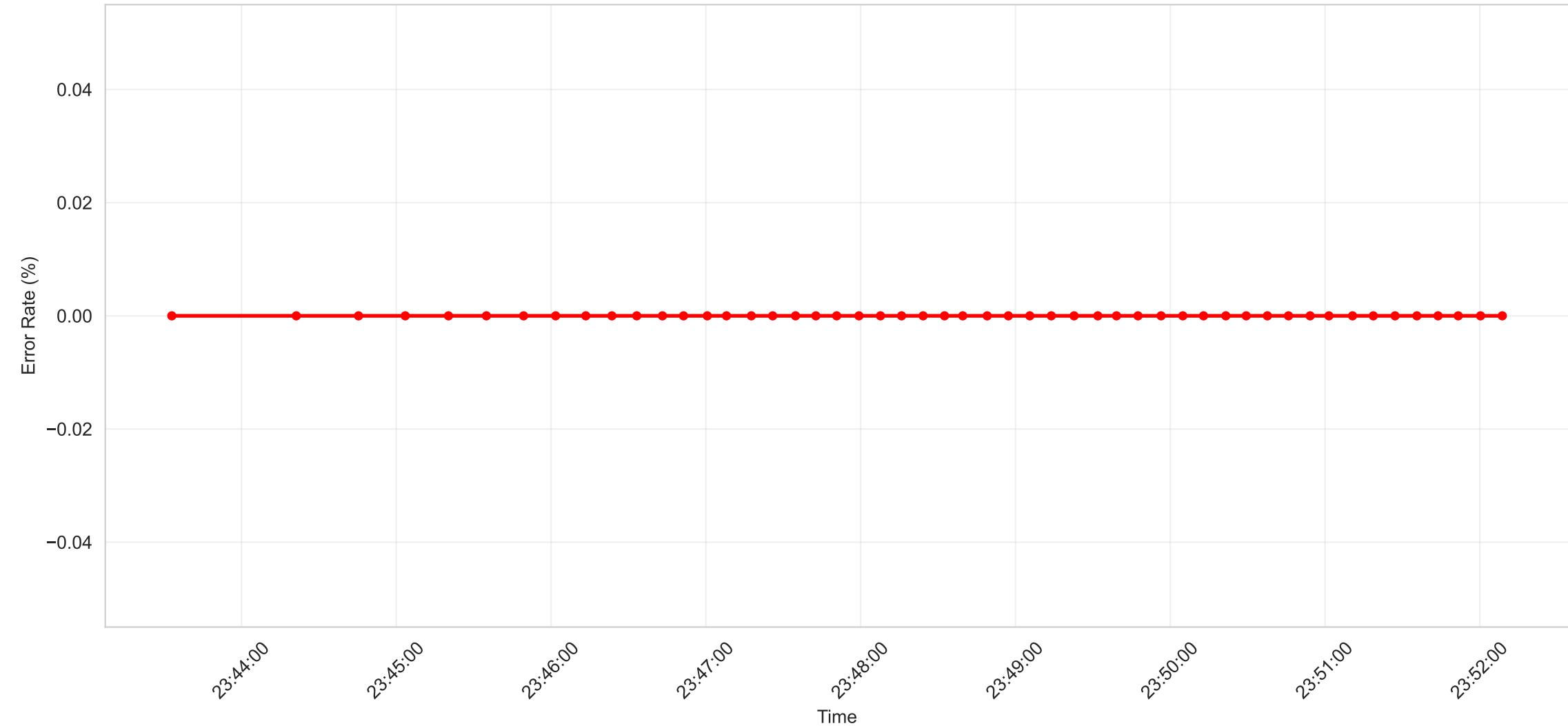
## Response Time vs Concurrent Users (35 user test)



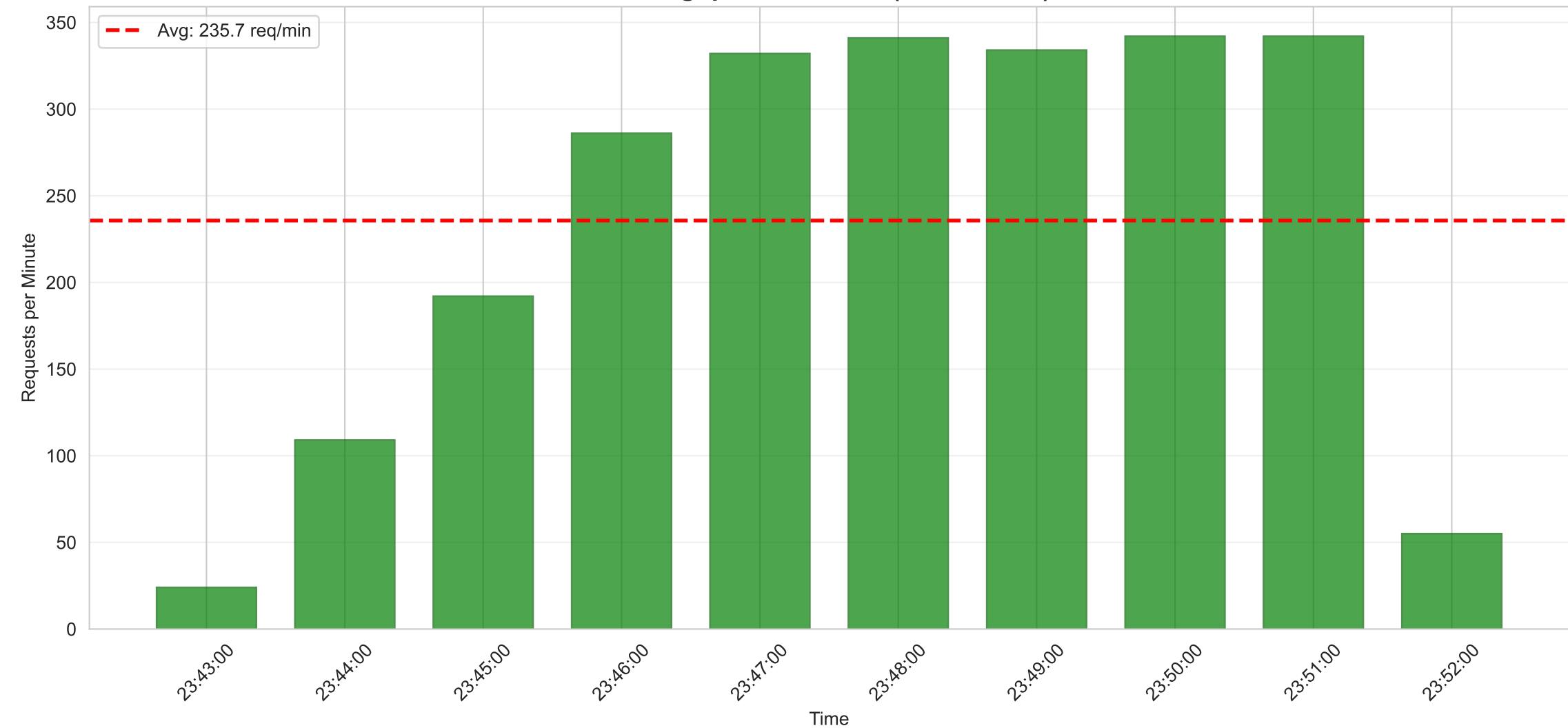
## Response Time Percentiles (35 user test)



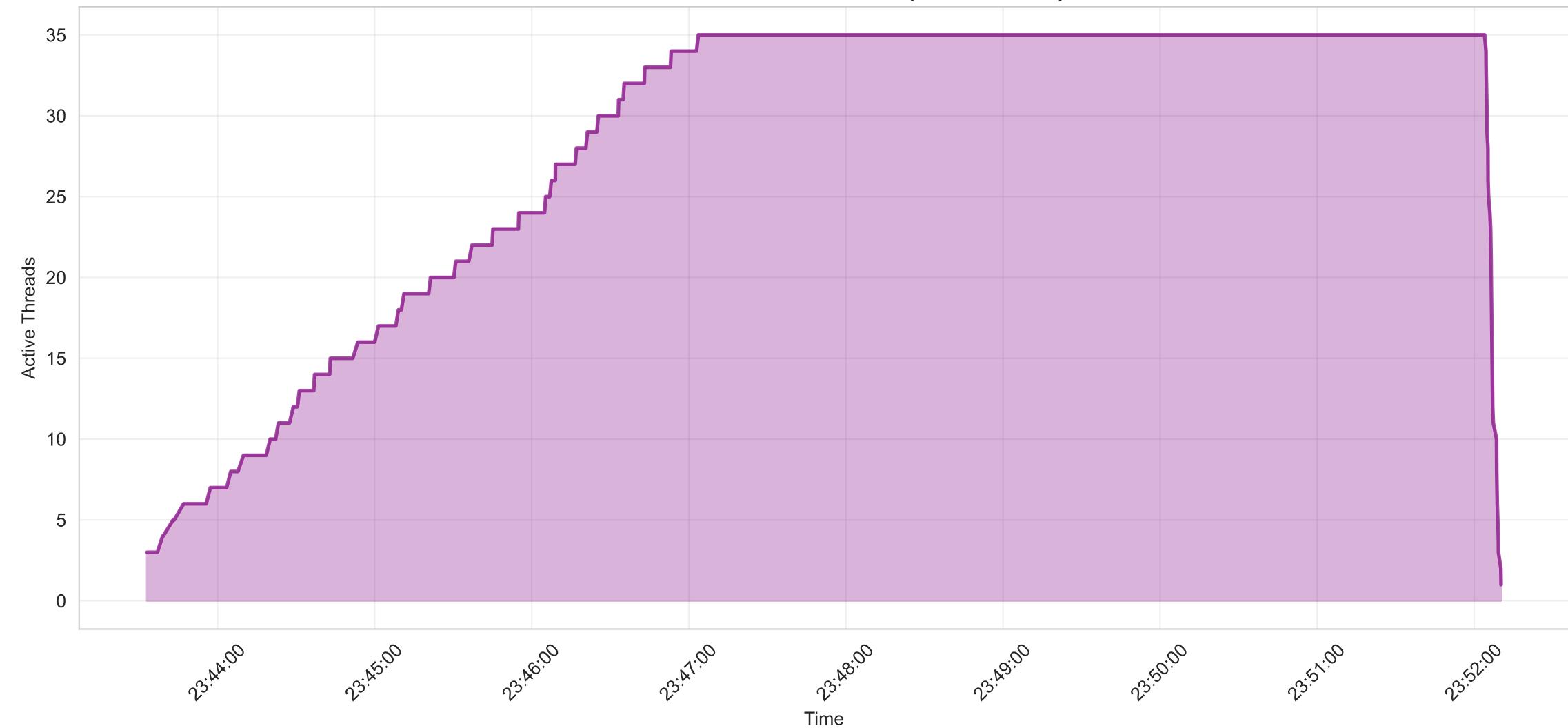
## Error Rate Over Time (35 user test)



## Throughput Over Time (35 user test)

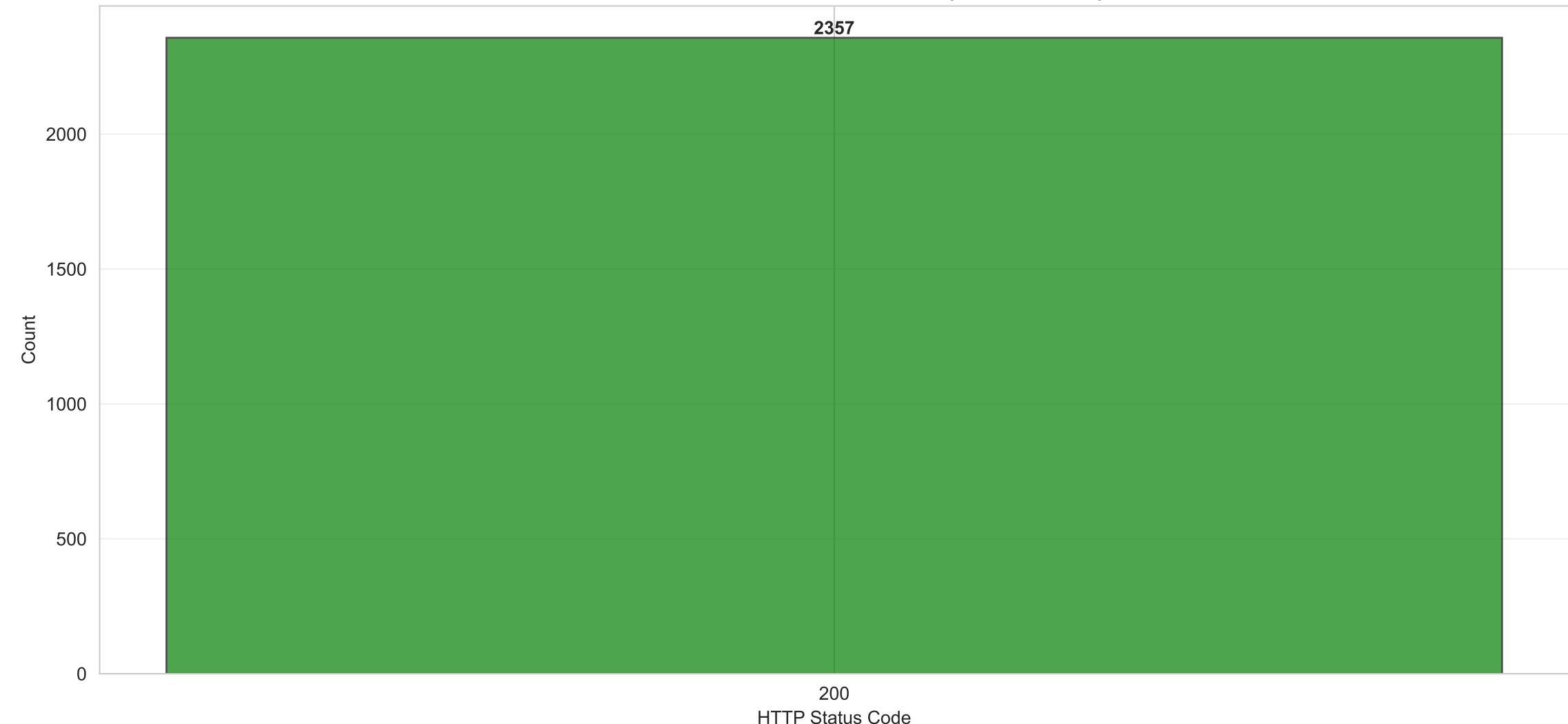


## Active Threads Over Time (35 user test)

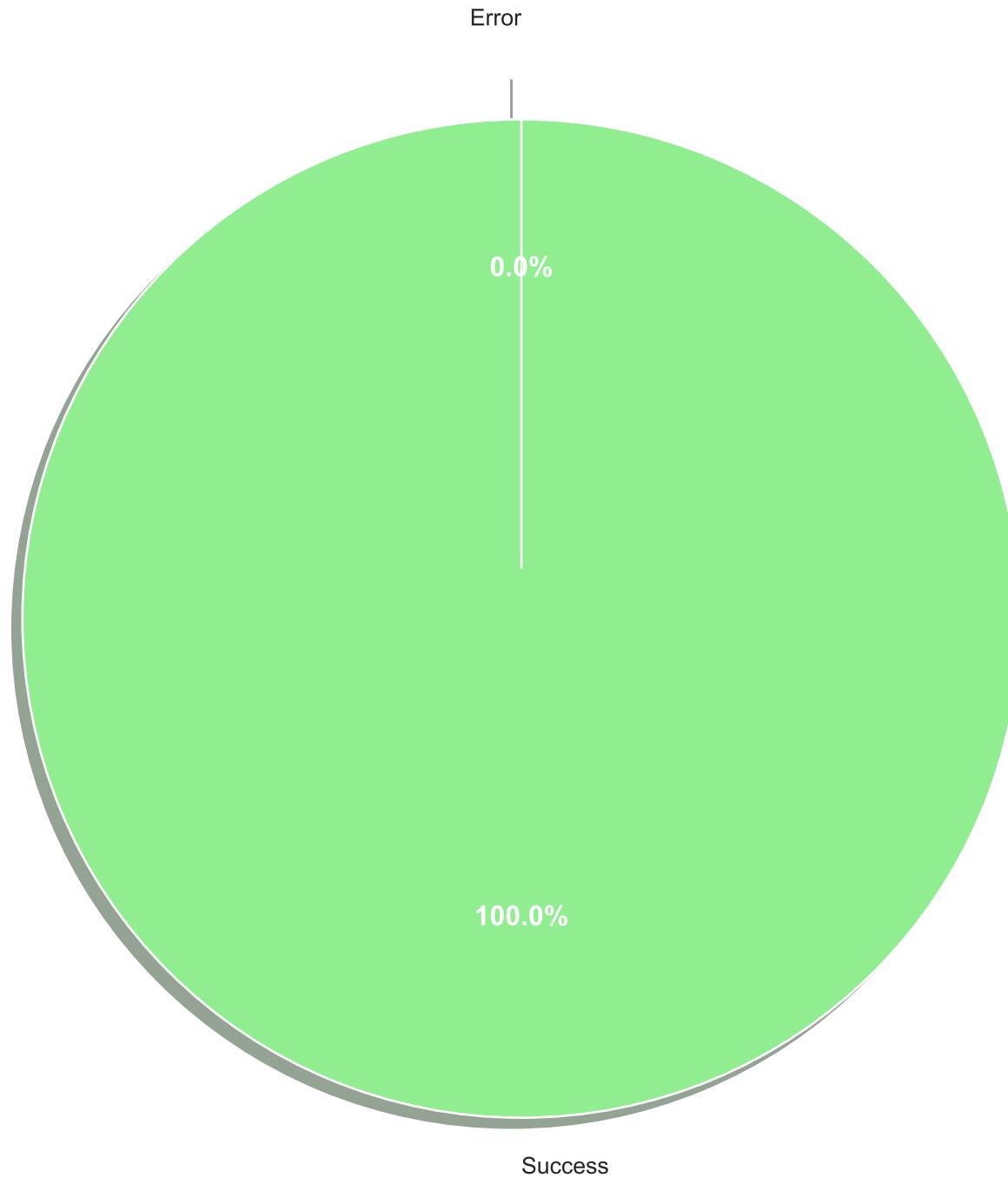


## HTTP Status Code Distribution (35 user test)

2357



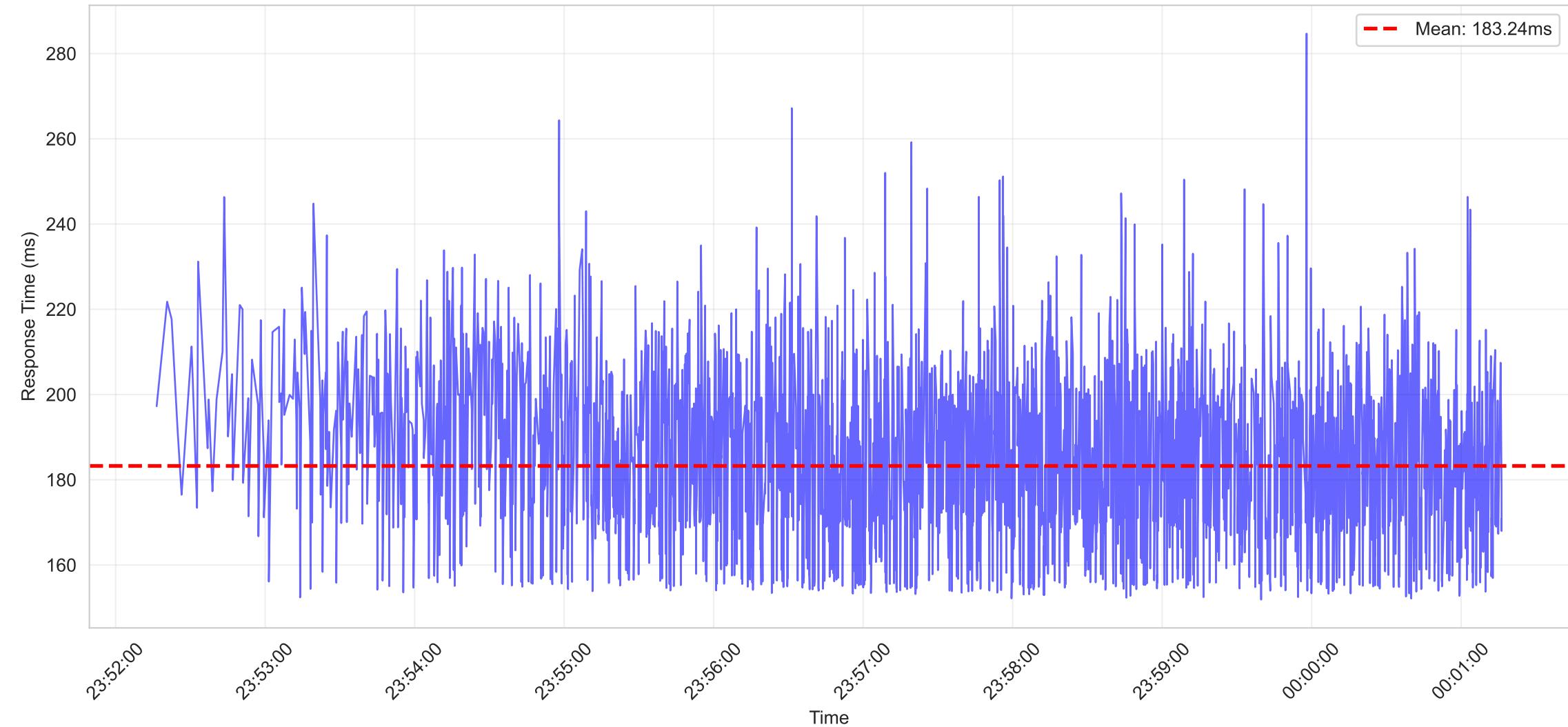
### Success vs Error Rate (35 user test)



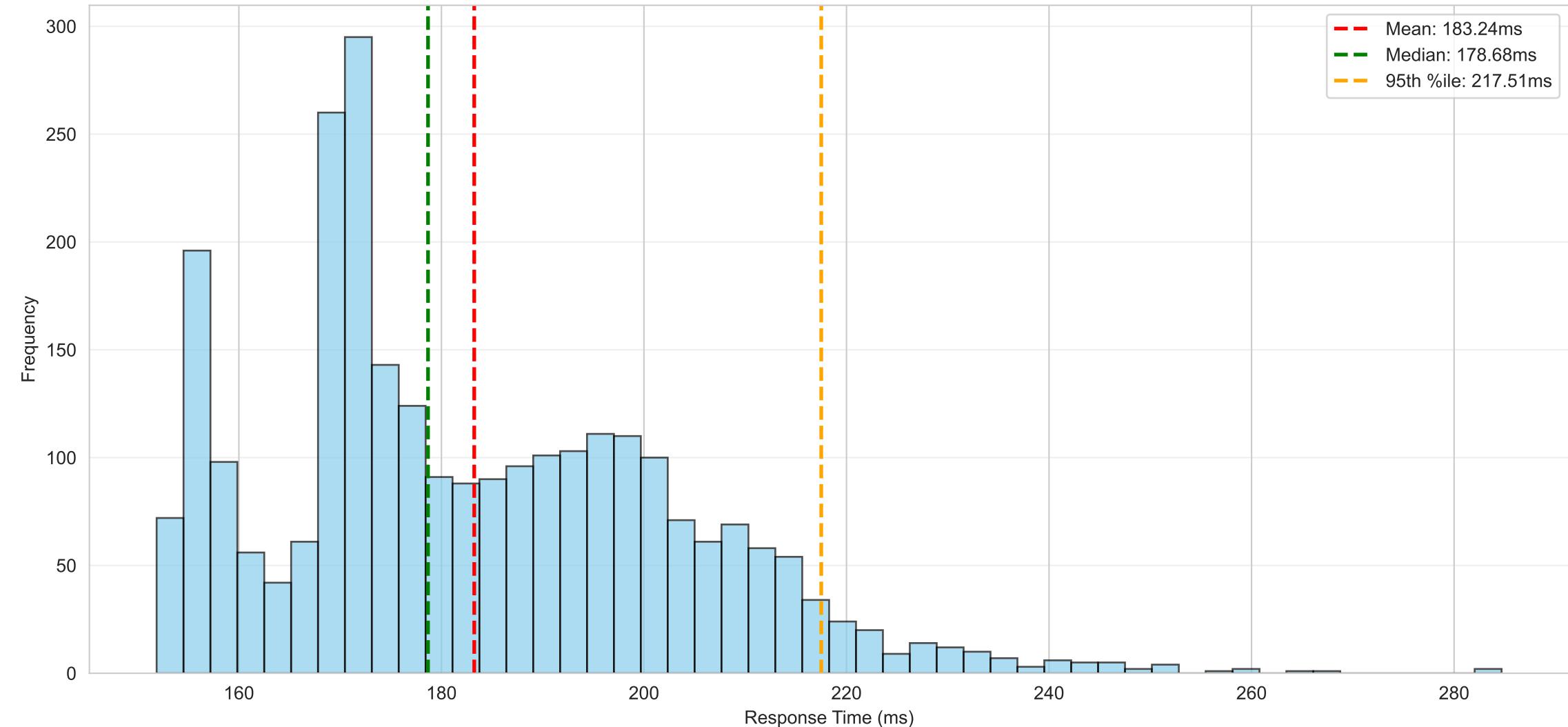
# Performance Metrics Summary (40 user test.)

| Metric                    | Value   |
|---------------------------|---------|
| Total Requests            | 2712    |
| Total Suites              | 1       |
| Max Concurrent Users      | 40      |
| Total Errors              | 0       |
| Error Rate (%)            | 0.00    |
| Avg Response Time (ms)    | 183.24  |
| Min Response Time (ms)    | 151.88  |
| Max Response Time (ms)    | 284.69  |
| Median Response Time (ms) | 178.68  |
| 95th Percentile (ms)      | 217.51  |
| 99th Percentile (ms)      | 240.20  |
| Avg Think Time (ms)       | 6022.12 |

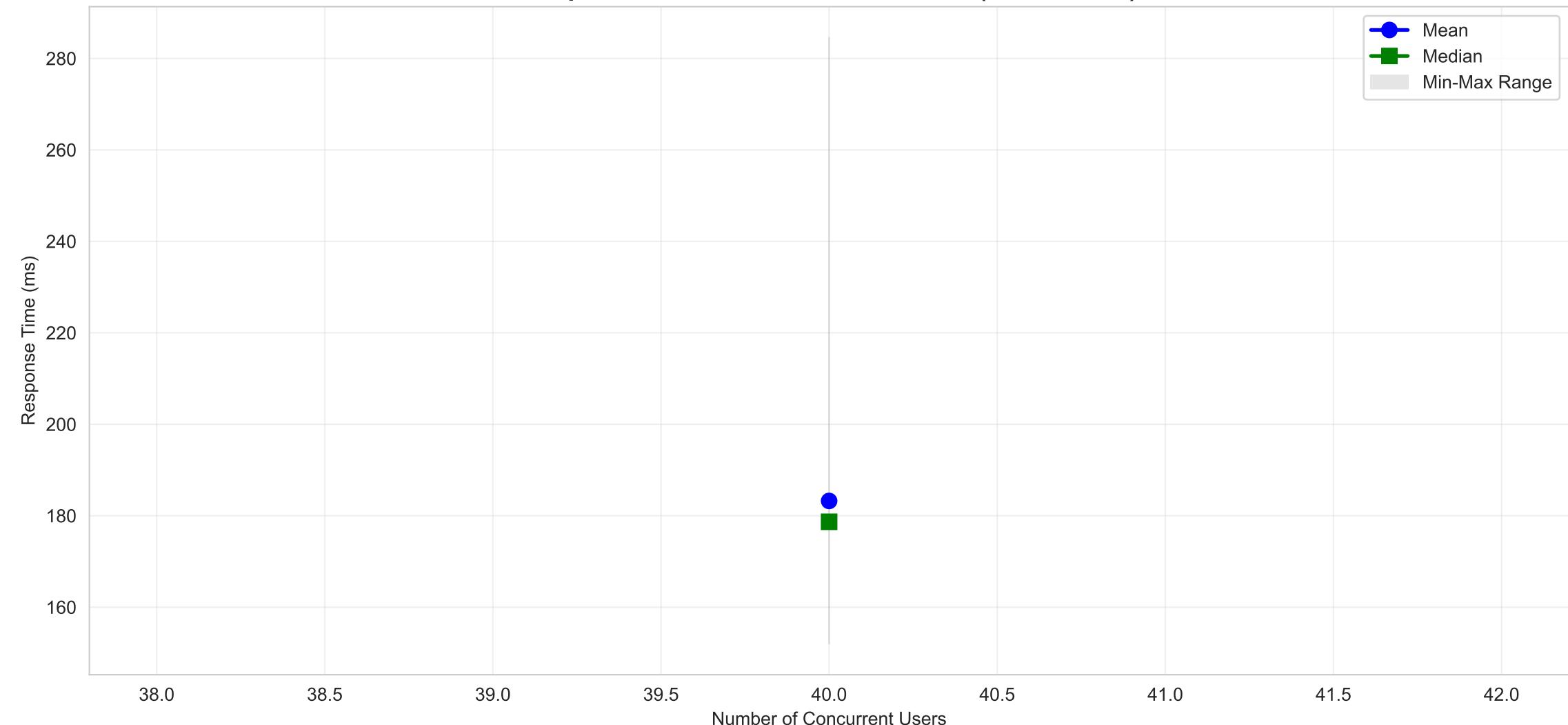
## Response Time Over Time (40 user test)



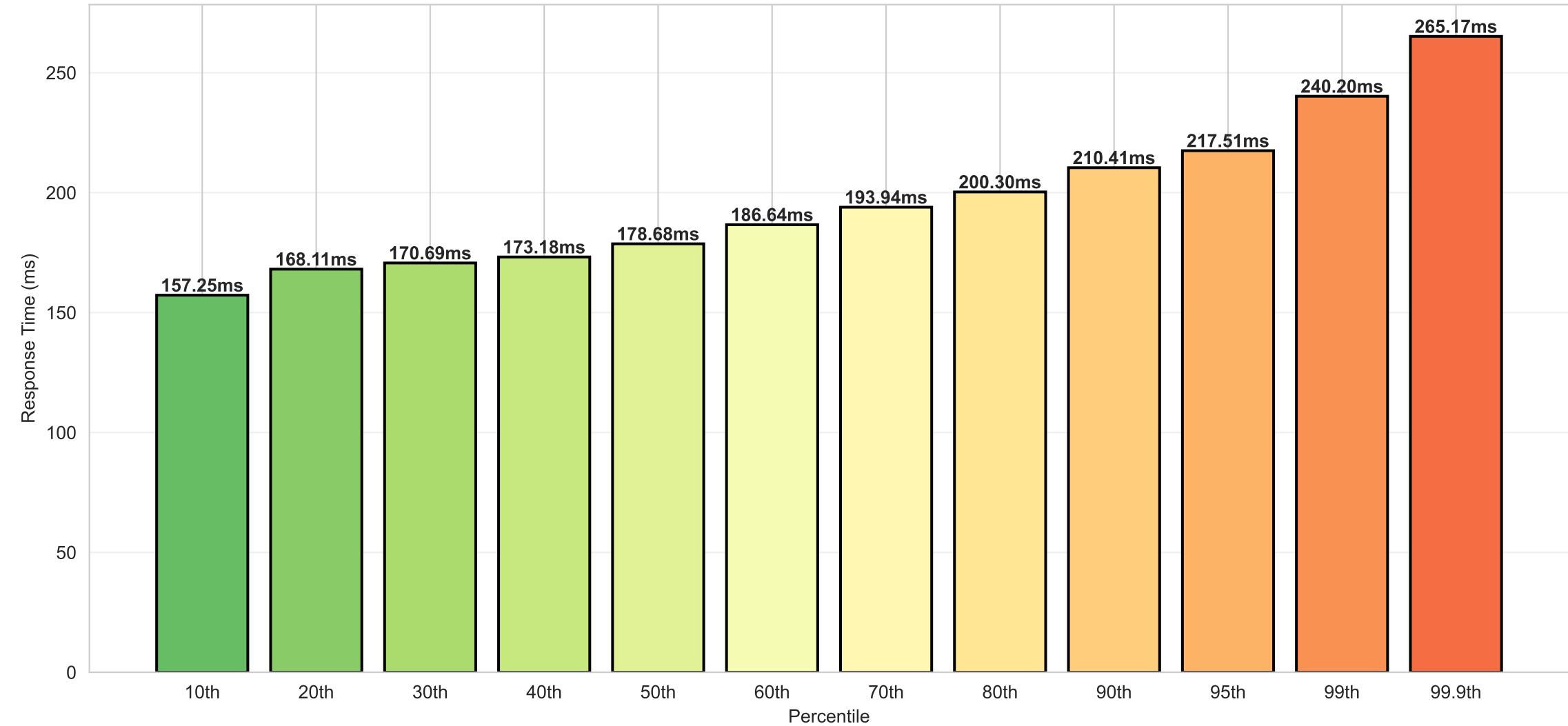
## Response Time Distribution (40 user test)



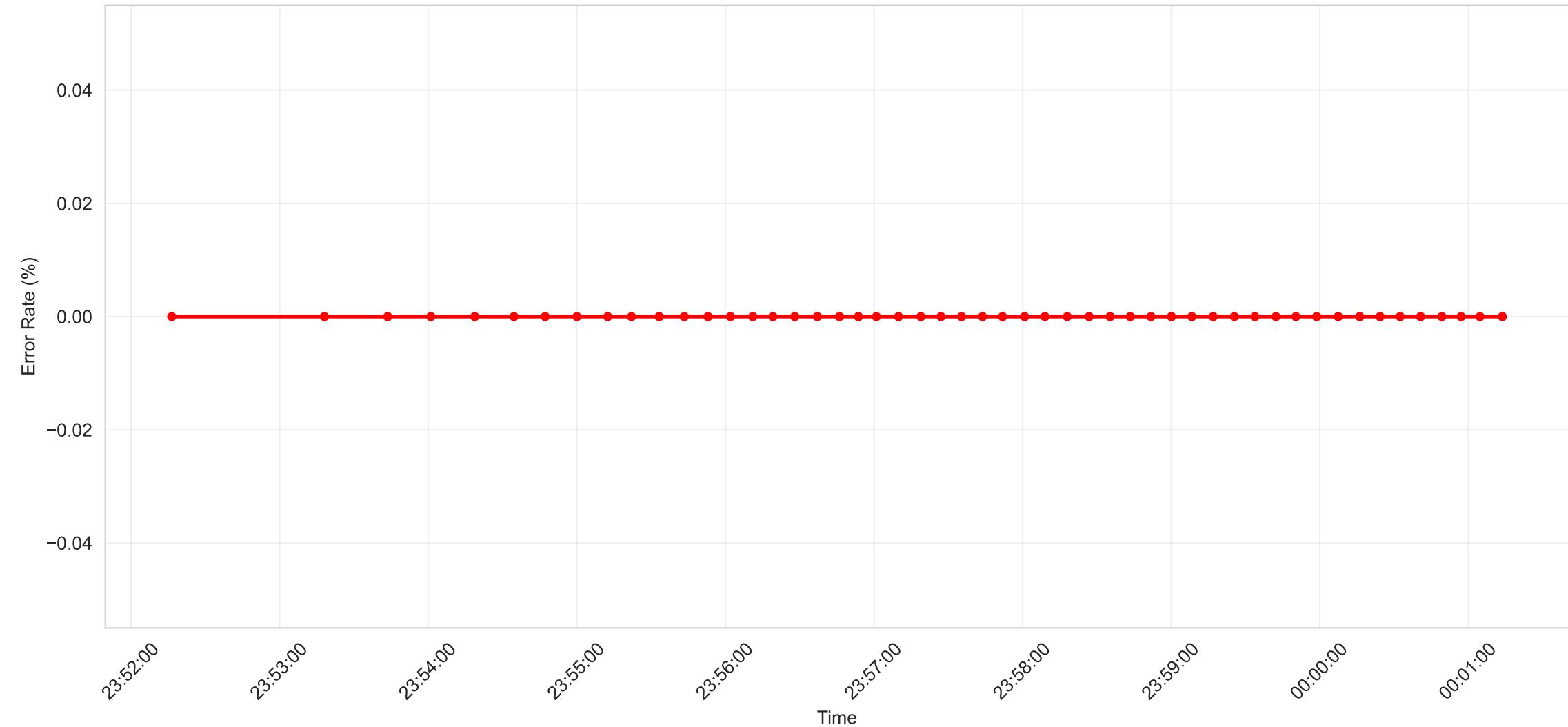
## Response Time vs Concurrent Users (40 user test)



## Response Time Percentiles (40 user test)



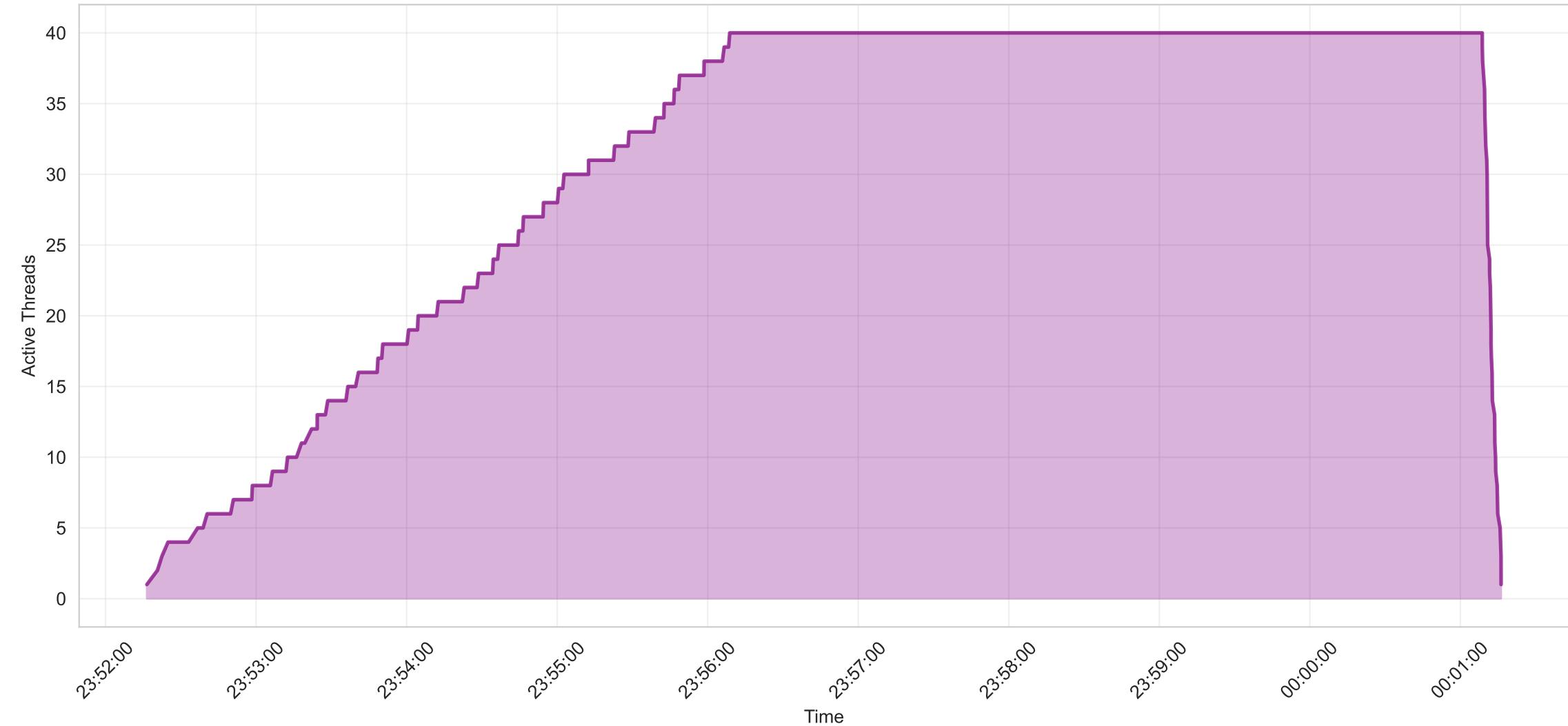
## Error Rate Over Time (40 user test)



## Throughput Over Time (40 user test)

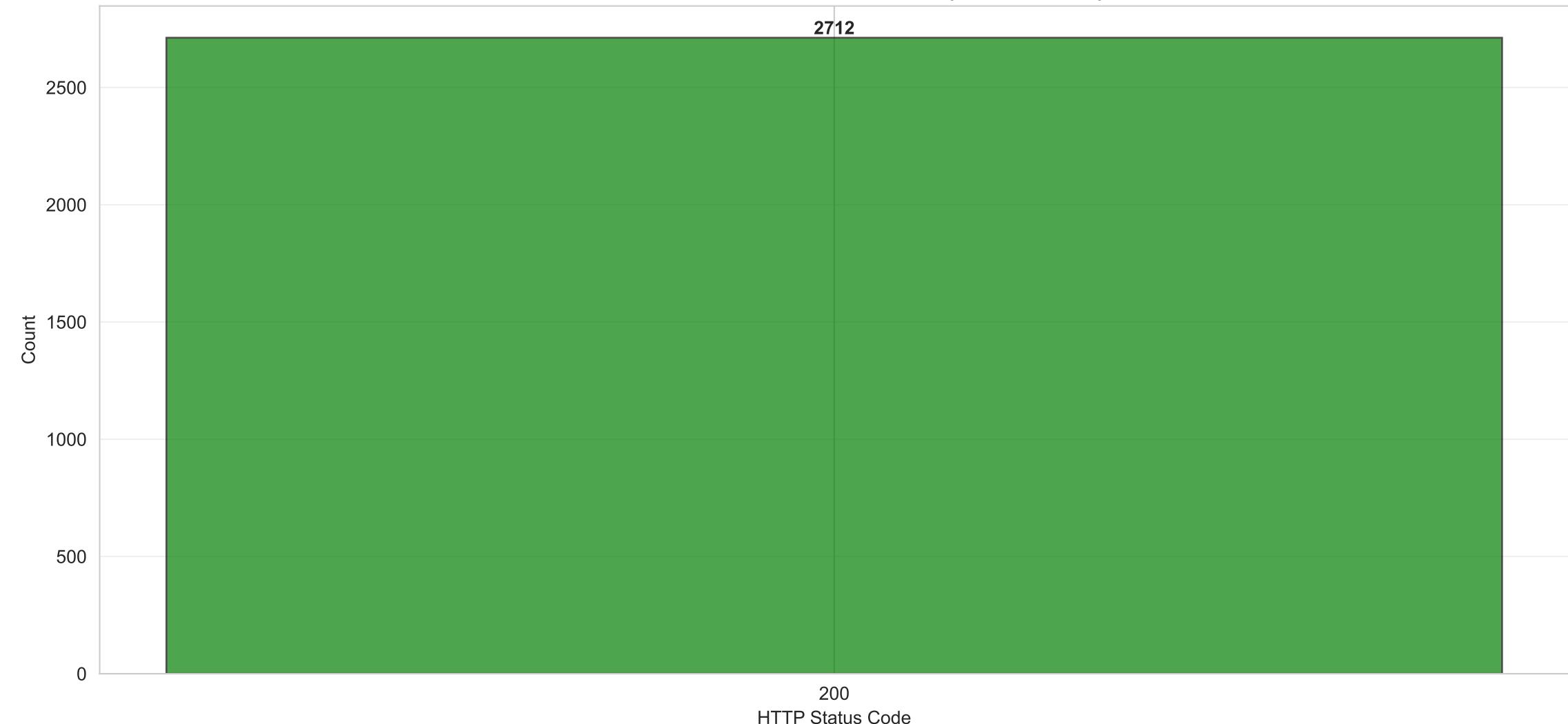


## Active Threads Over Time (40 user test)

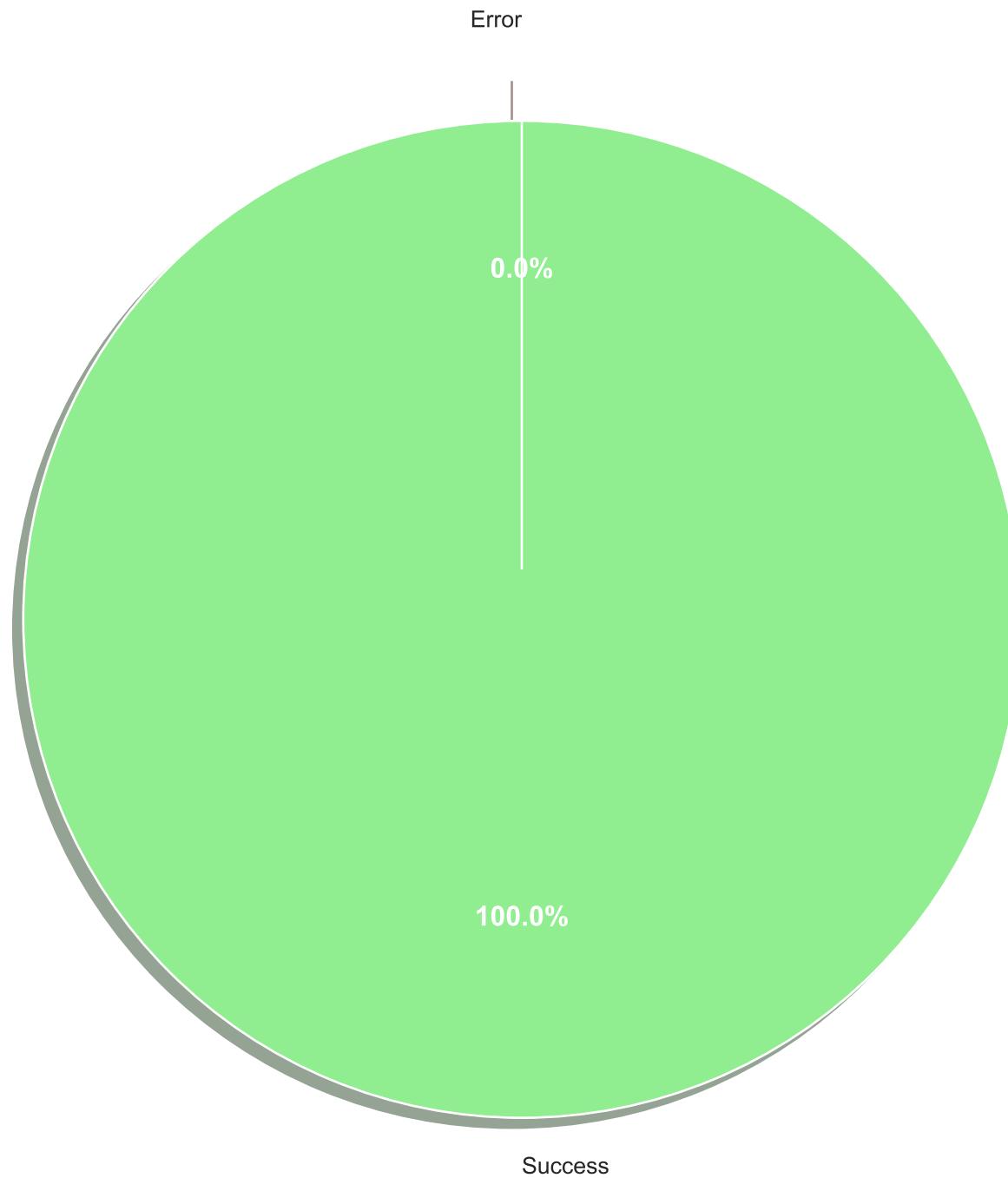


## HTTP Status Code Distribution (40 user test)

2712



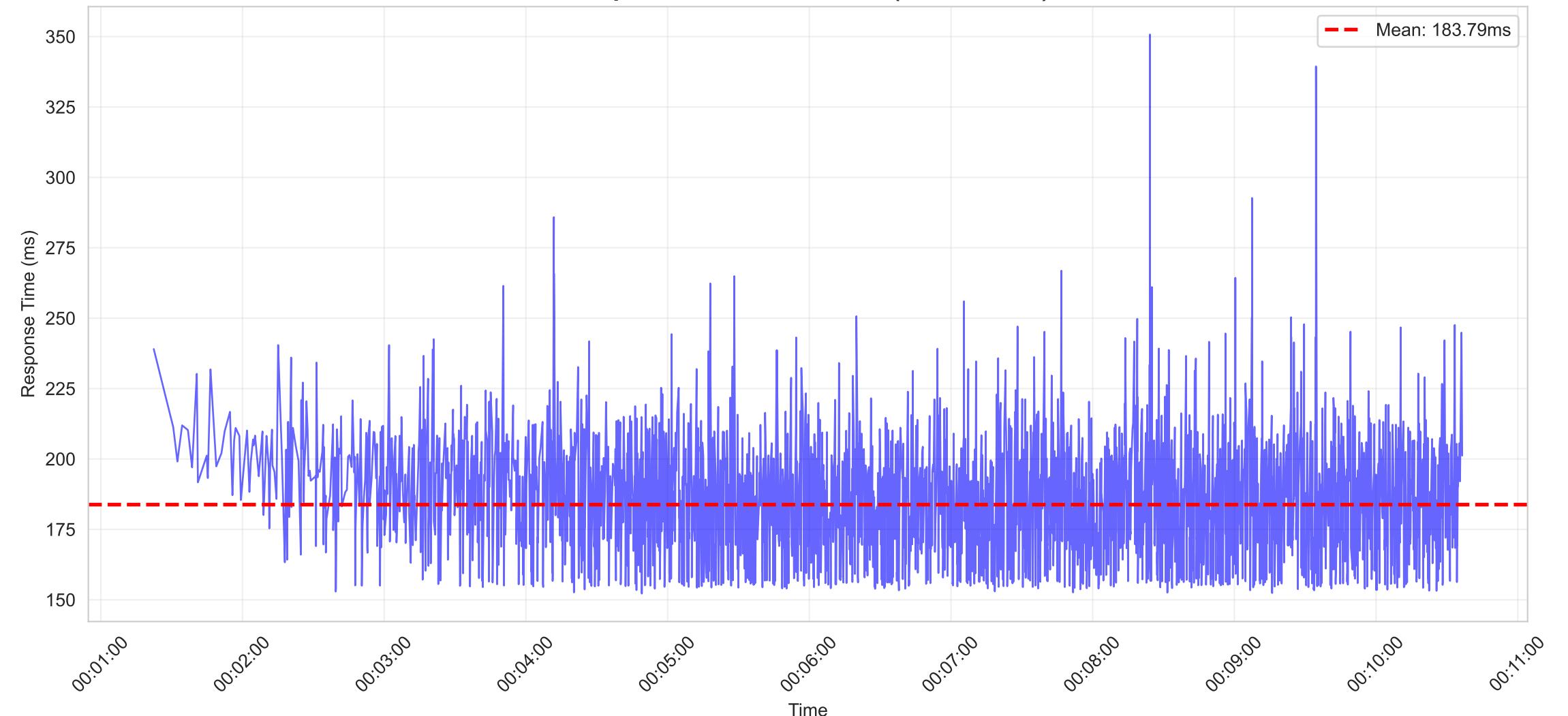
## Success vs Error Rate (40 user test)



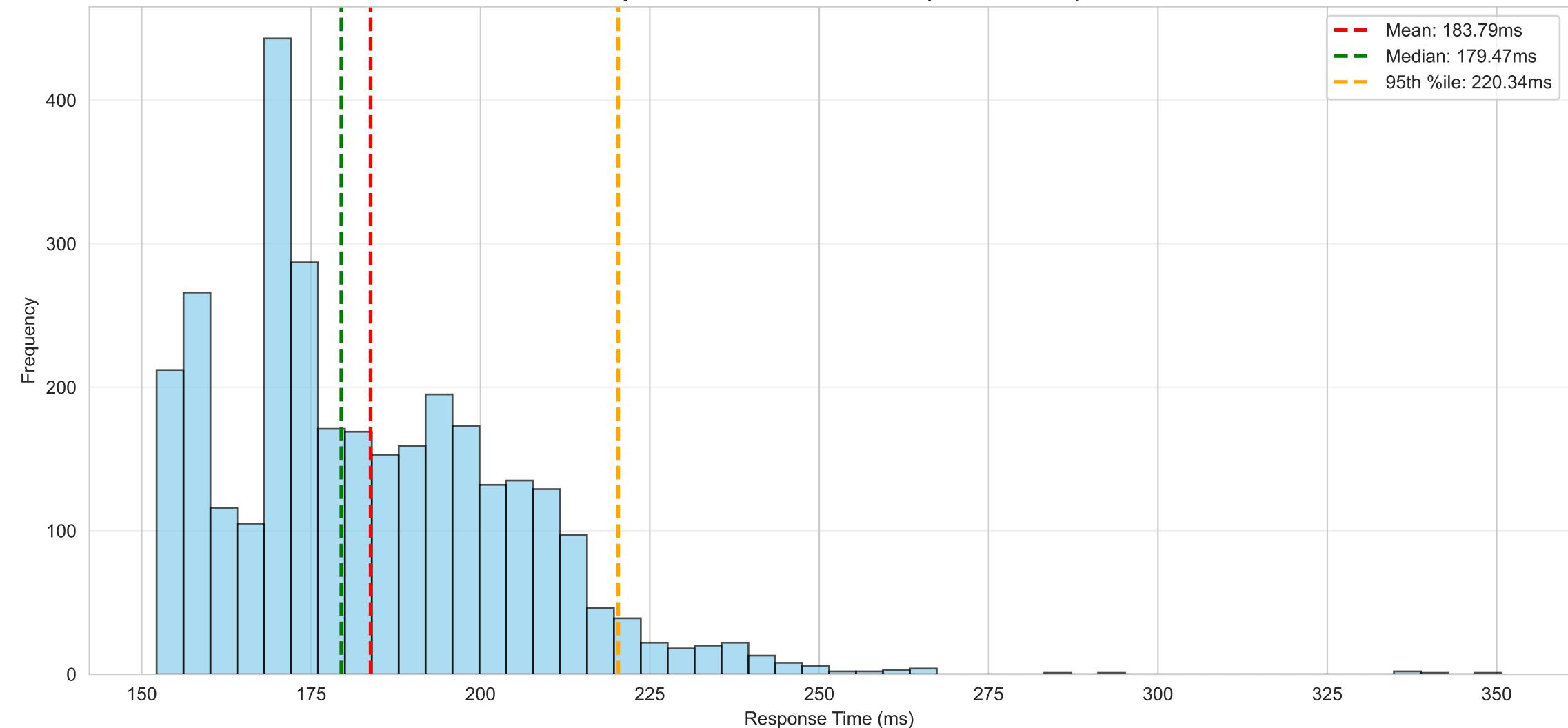
# Performance Metrics Summary (45 user test.)

| Metric                    | Value   |
|---------------------------|---------|
| Total Requests            | 3153    |
| Total Suites              | 1       |
| Max Concurrent Users      | 45      |
| Total Errors              | 0       |
| Error Rate (%)            | 0.00    |
| Avg Response Time (ms)    | 183.79  |
| Min Response Time (ms)    | 152.21  |
| Max Response Time (ms)    | 350.72  |
| Median Response Time (ms) | 179.47  |
| 95th Percentile (ms)      | 220.34  |
| 99th Percentile (ms)      | 243.34  |
| Avg Think Time (ms)       | 5960.67 |

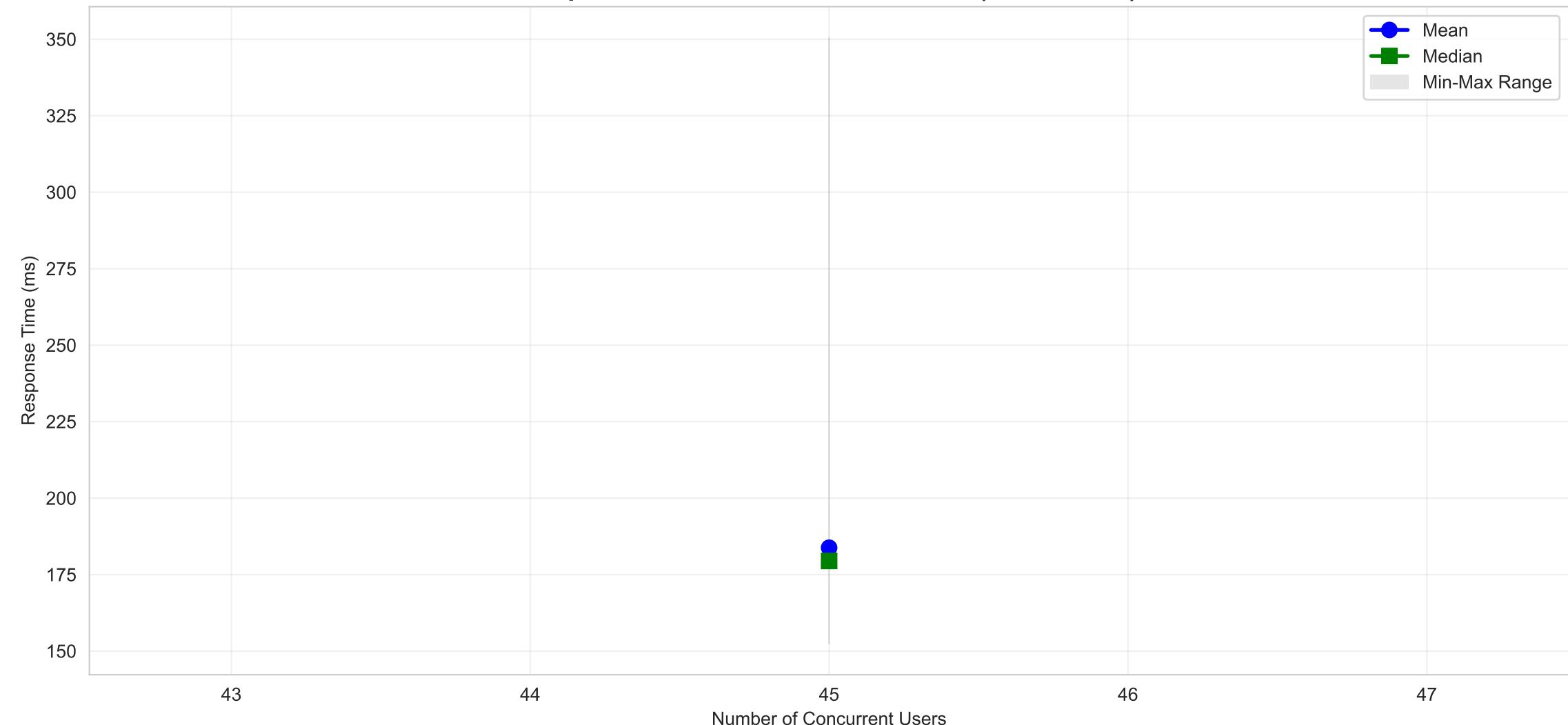
## Response Time Over Time (45 user test)



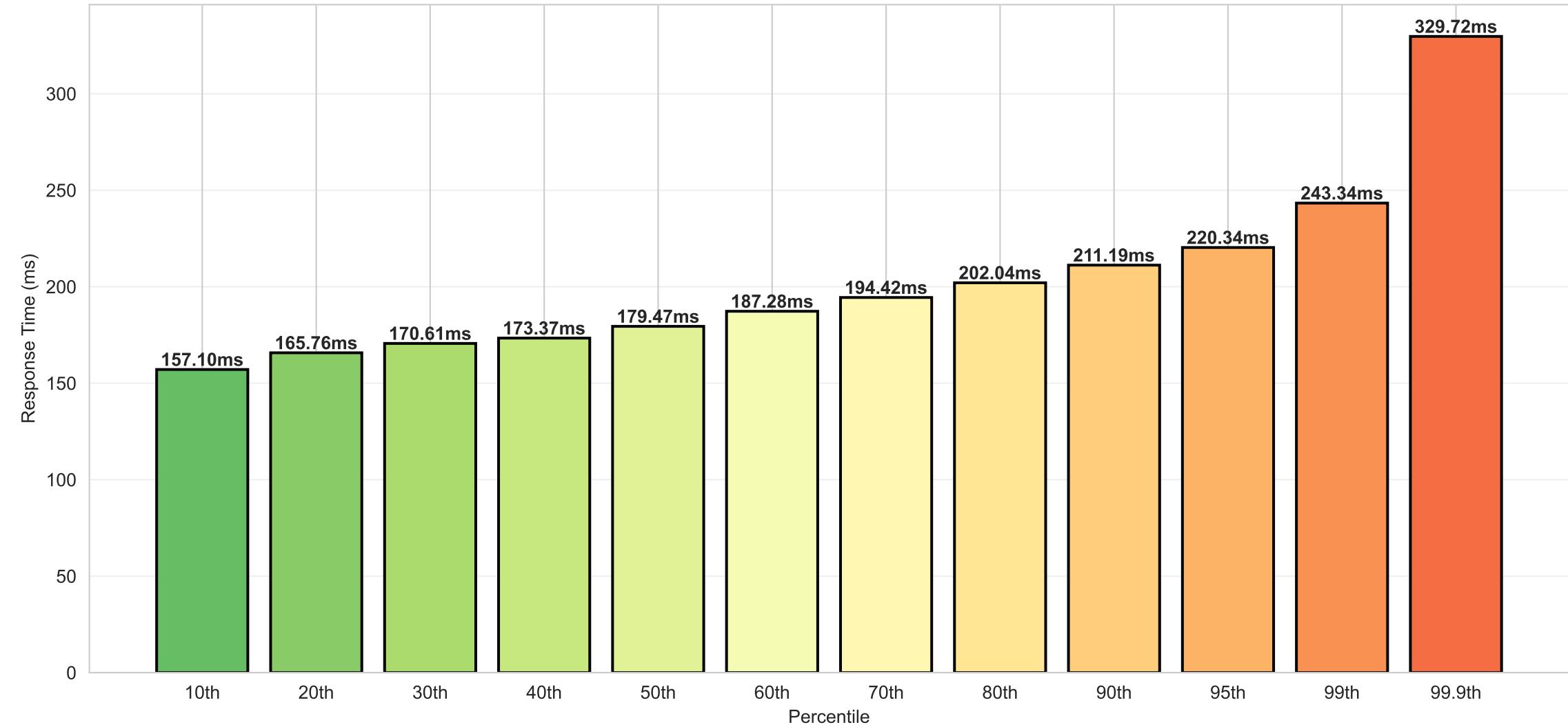
## Response Time Distribution (45 user test)



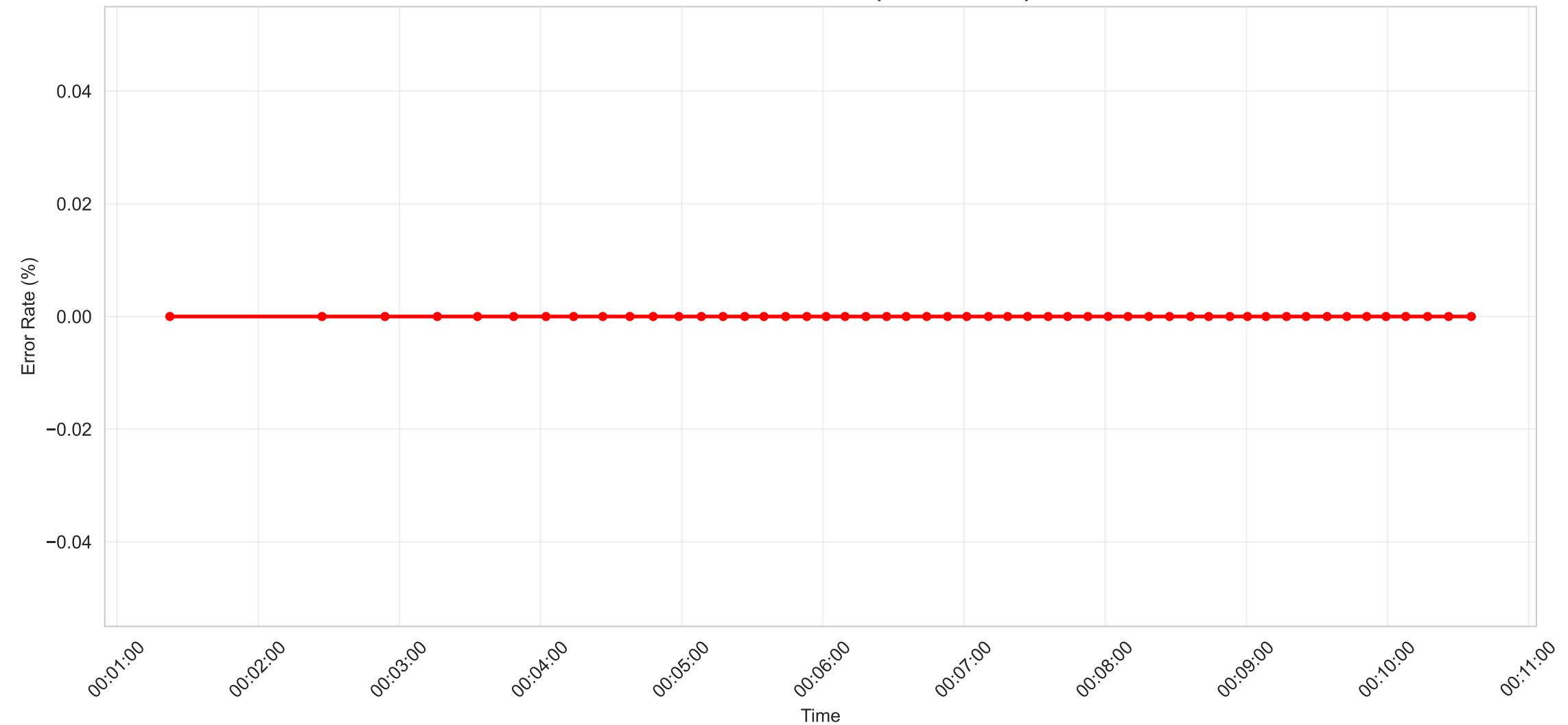
## Response Time vs Concurrent Users (45 user test)



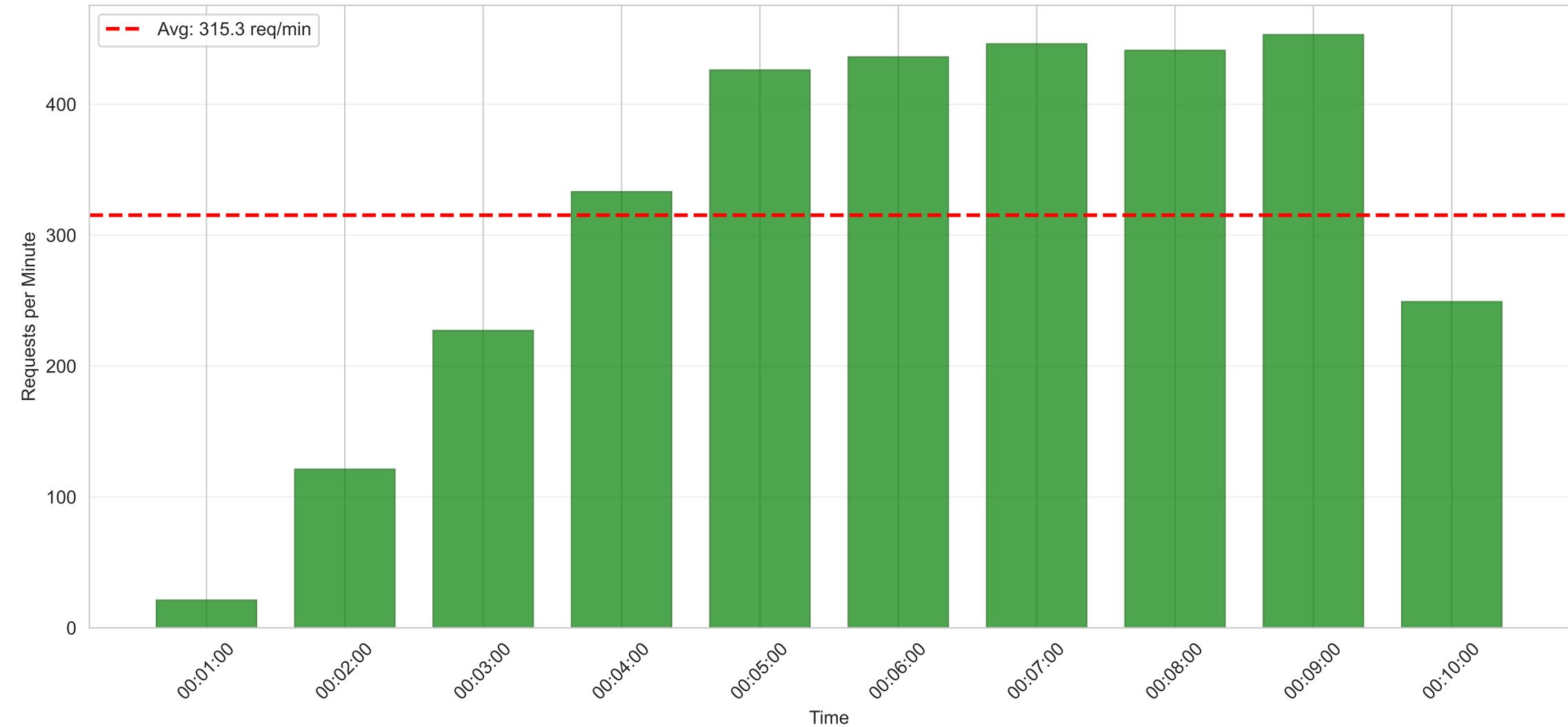
## Response Time Percentiles (45 user test)



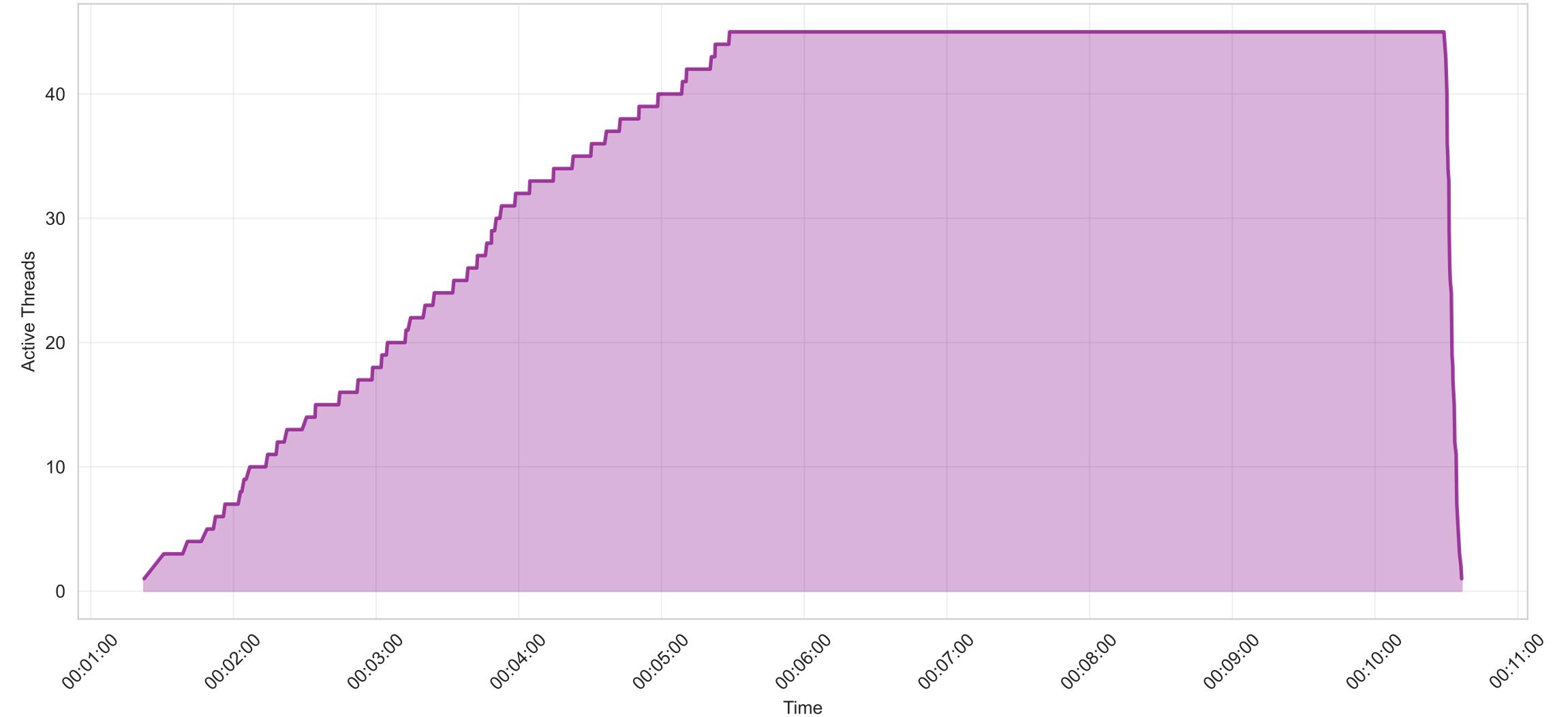
## Error Rate Over Time (45 user test)



## Throughput Over Time (45 user test)

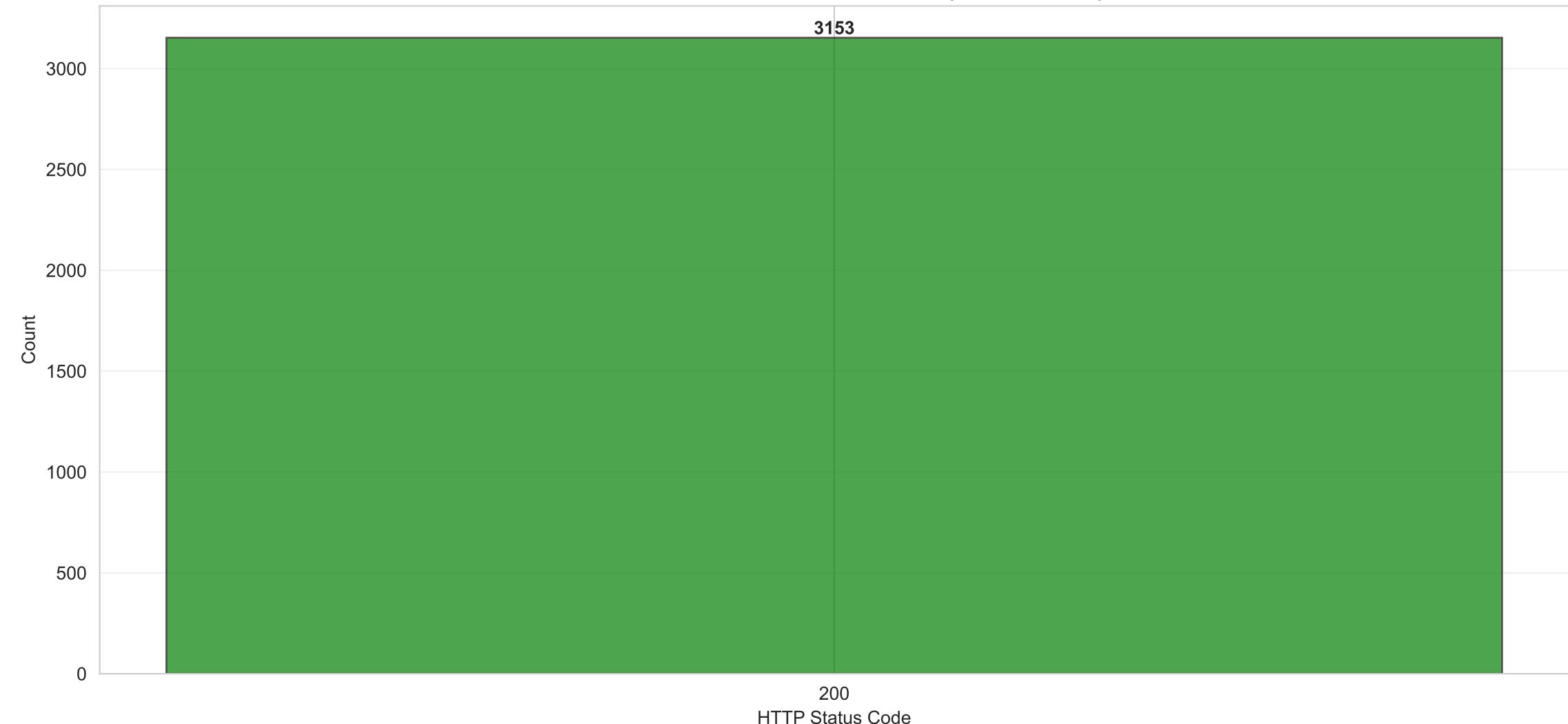


## Active Threads Over Time (45 user test)

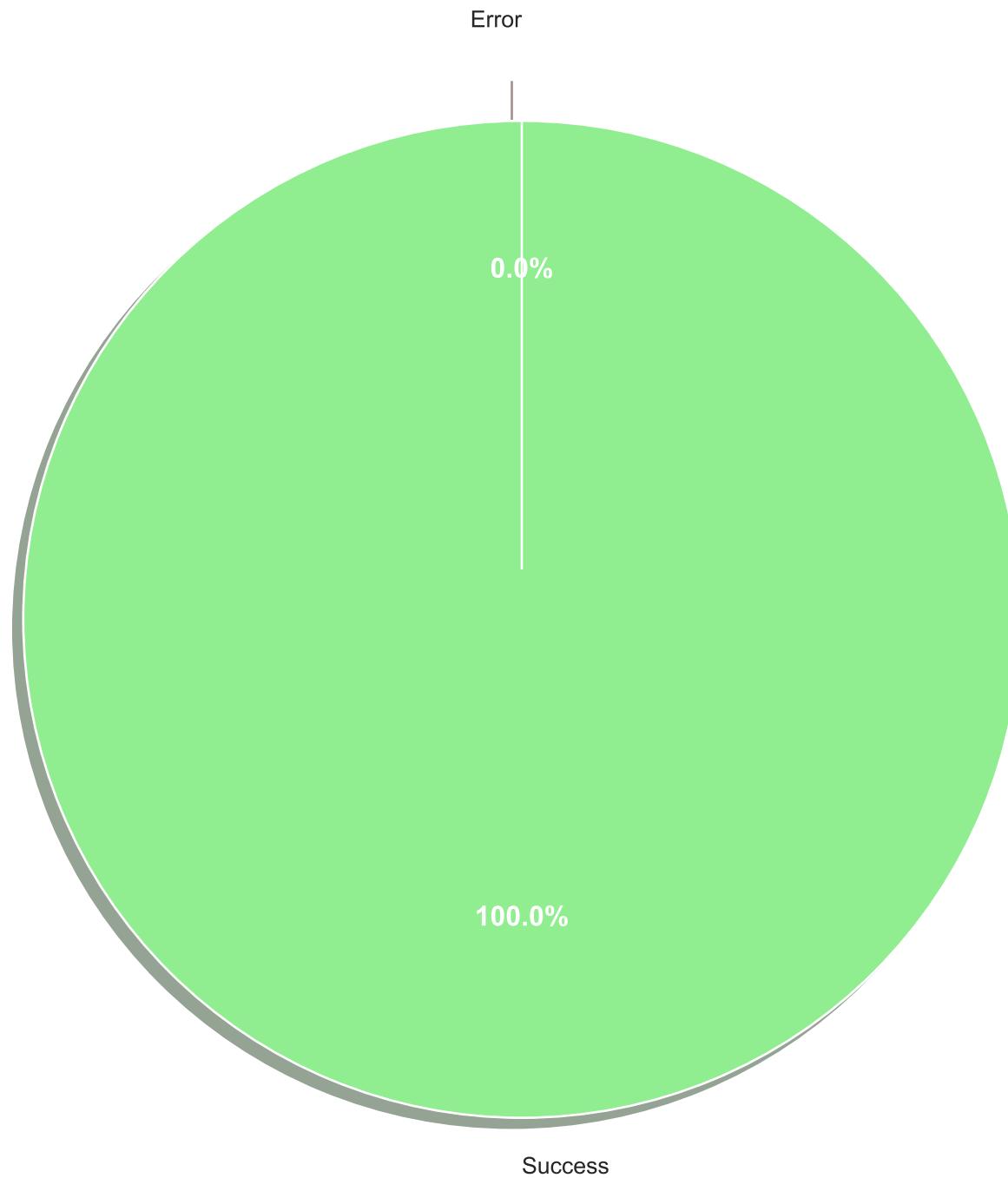


## HTTP Status Code Distribution (45 user test)

3153



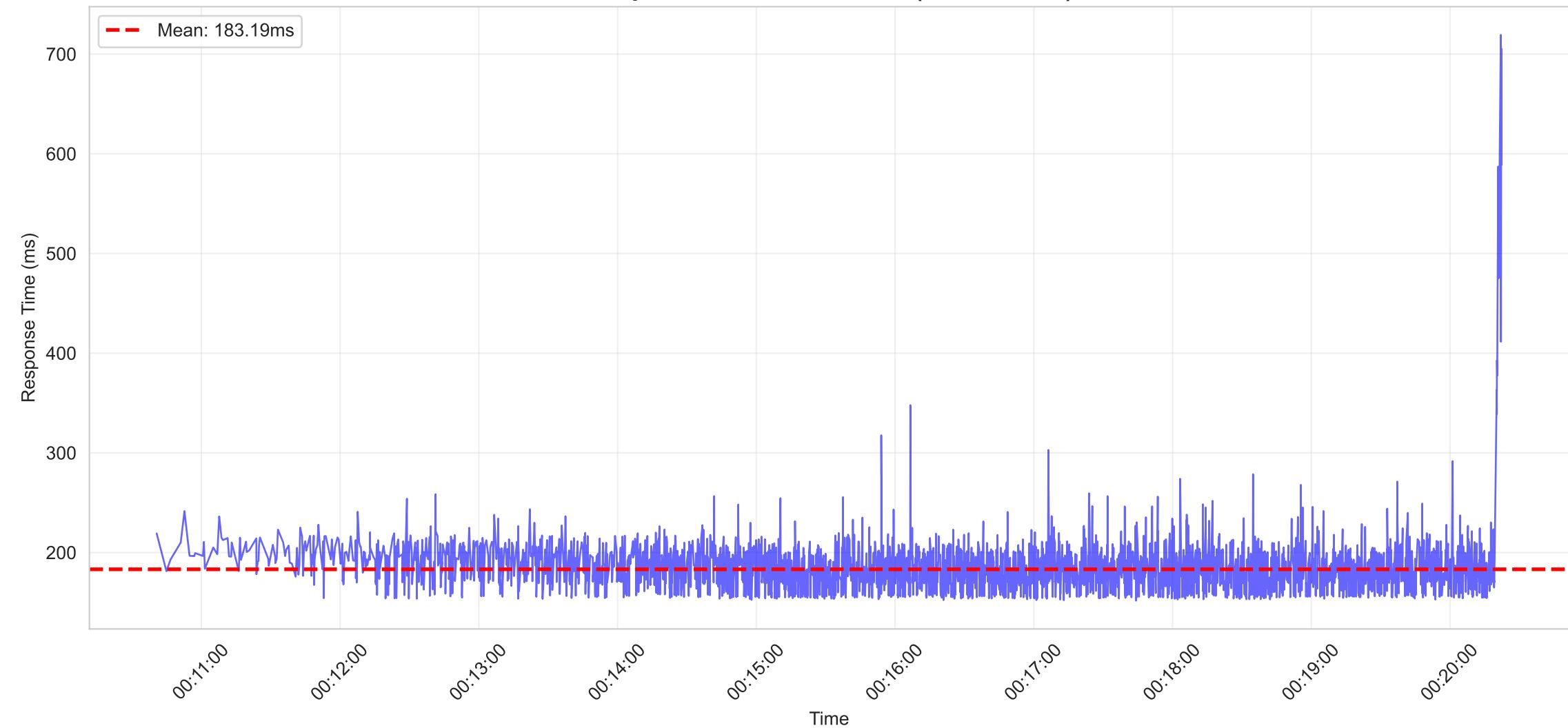
## Success vs Error Rate (45 user test)



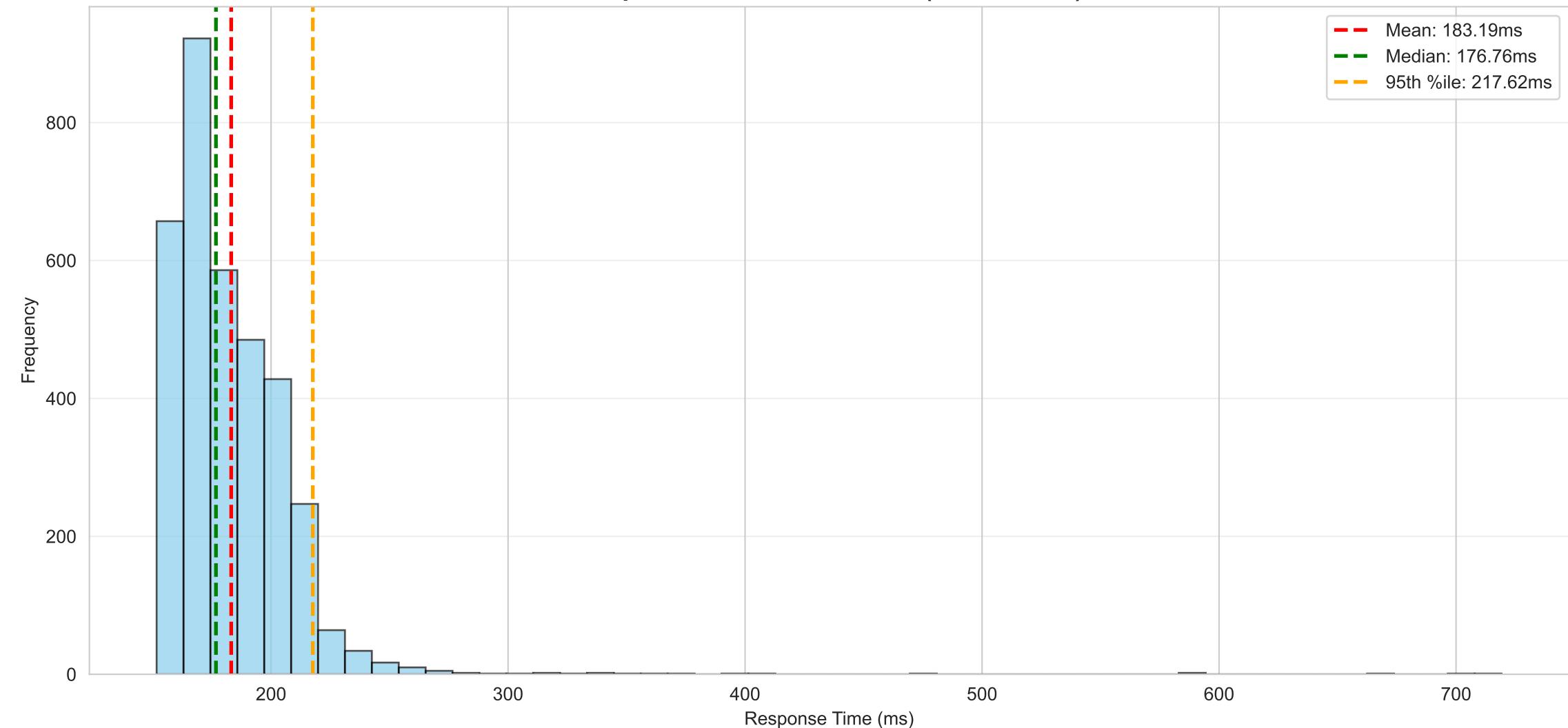
# Performance Metrics Summary (50 user test.)

| Metric                    | Value   |
|---------------------------|---------|
| Total Requests            | 3475    |
| Total Suites              | 1       |
| Max Concurrent Users      | 50      |
| Total Errors              | 0       |
| Error Rate (%)            | 0.00    |
| Avg Response Time (ms)    | 183.19  |
| Min Response Time (ms)    | 151.72  |
| Max Response Time (ms)    | 719.21  |
| Median Response Time (ms) | 176.76  |
| 95th Percentile (ms)      | 217.62  |
| 99th Percentile (ms)      | 253.84  |
| Avg Think Time (ms)       | 6026.47 |

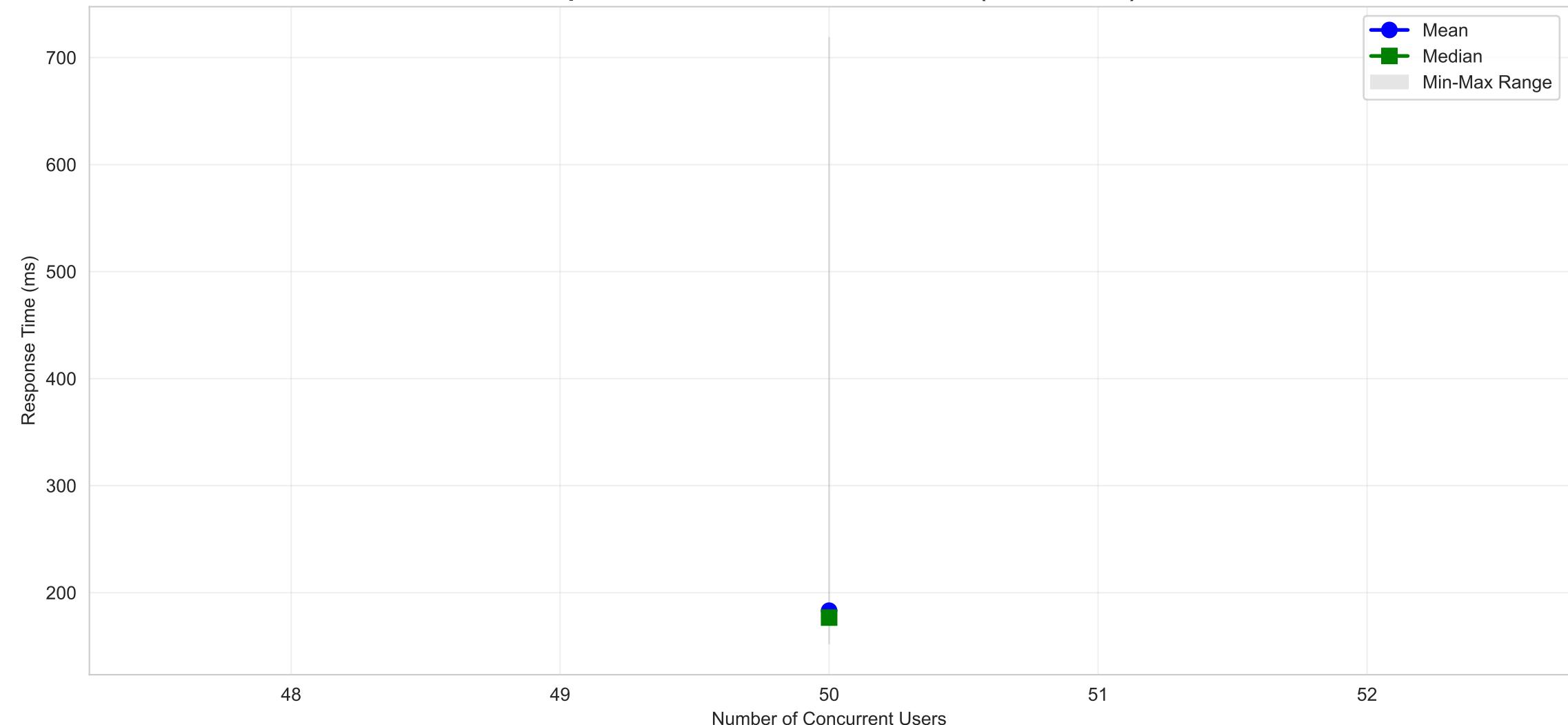
## Response Time Over Time (50 user test)



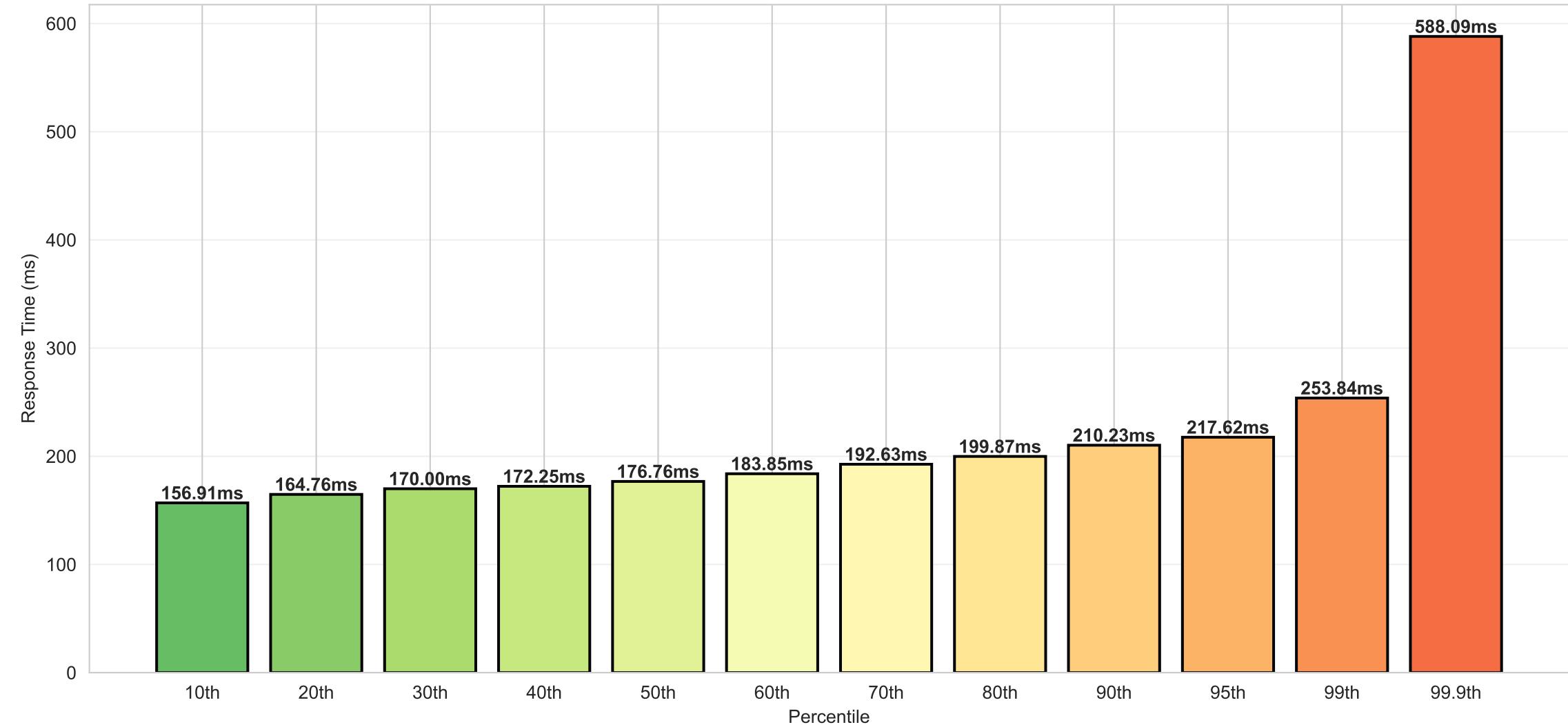
## Response Time Distribution (50 user test)



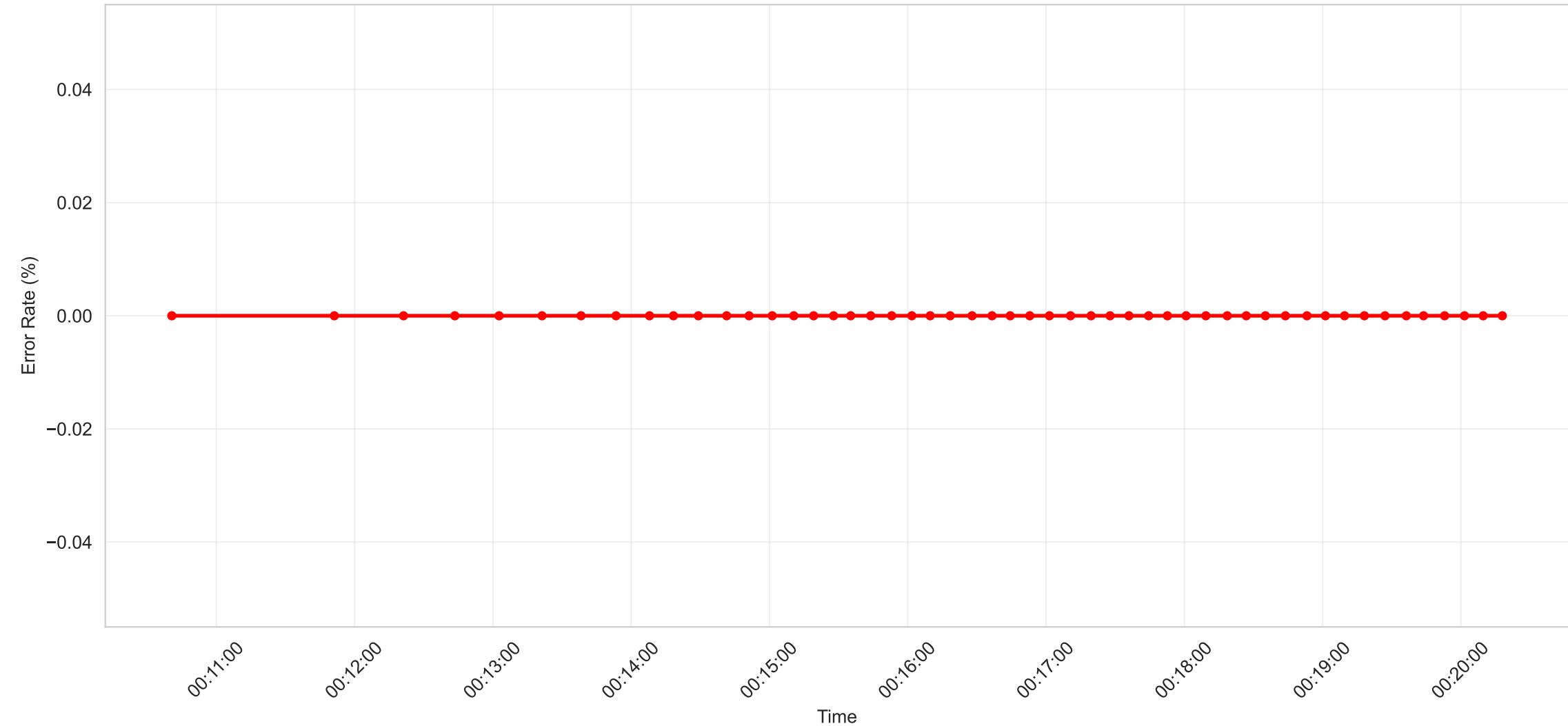
## Response Time vs Concurrent Users (50 user test)



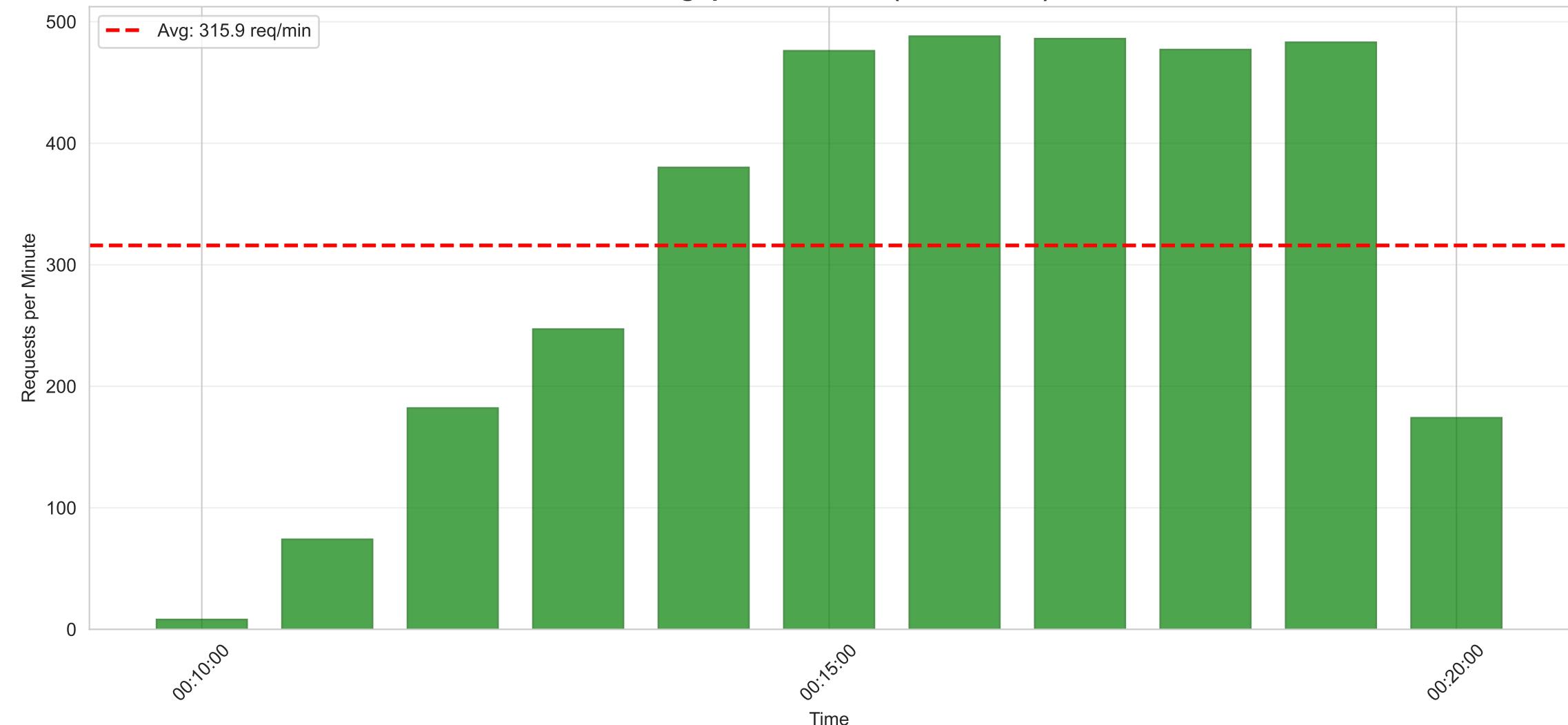
## Response Time Percentiles (50 user test)



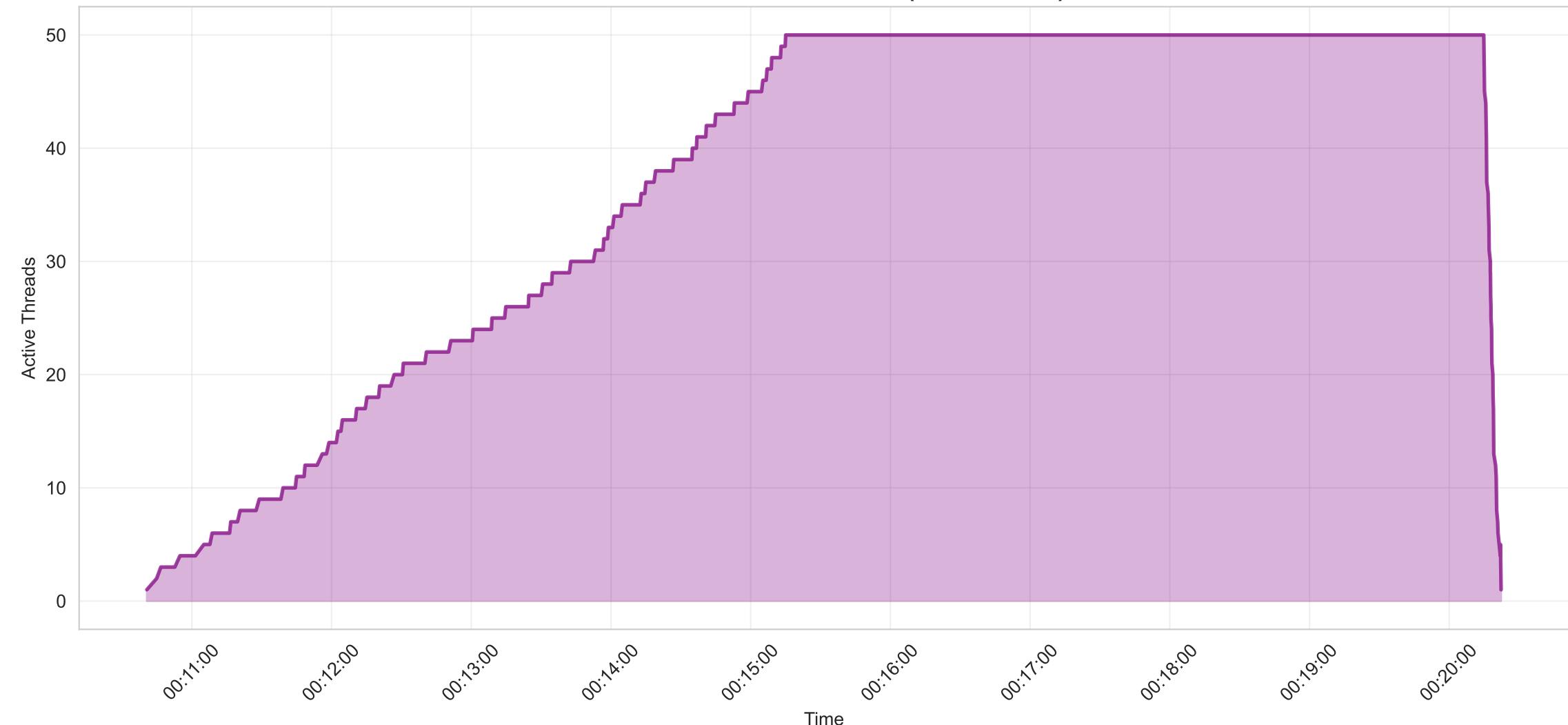
## Error Rate Over Time (50 user test)



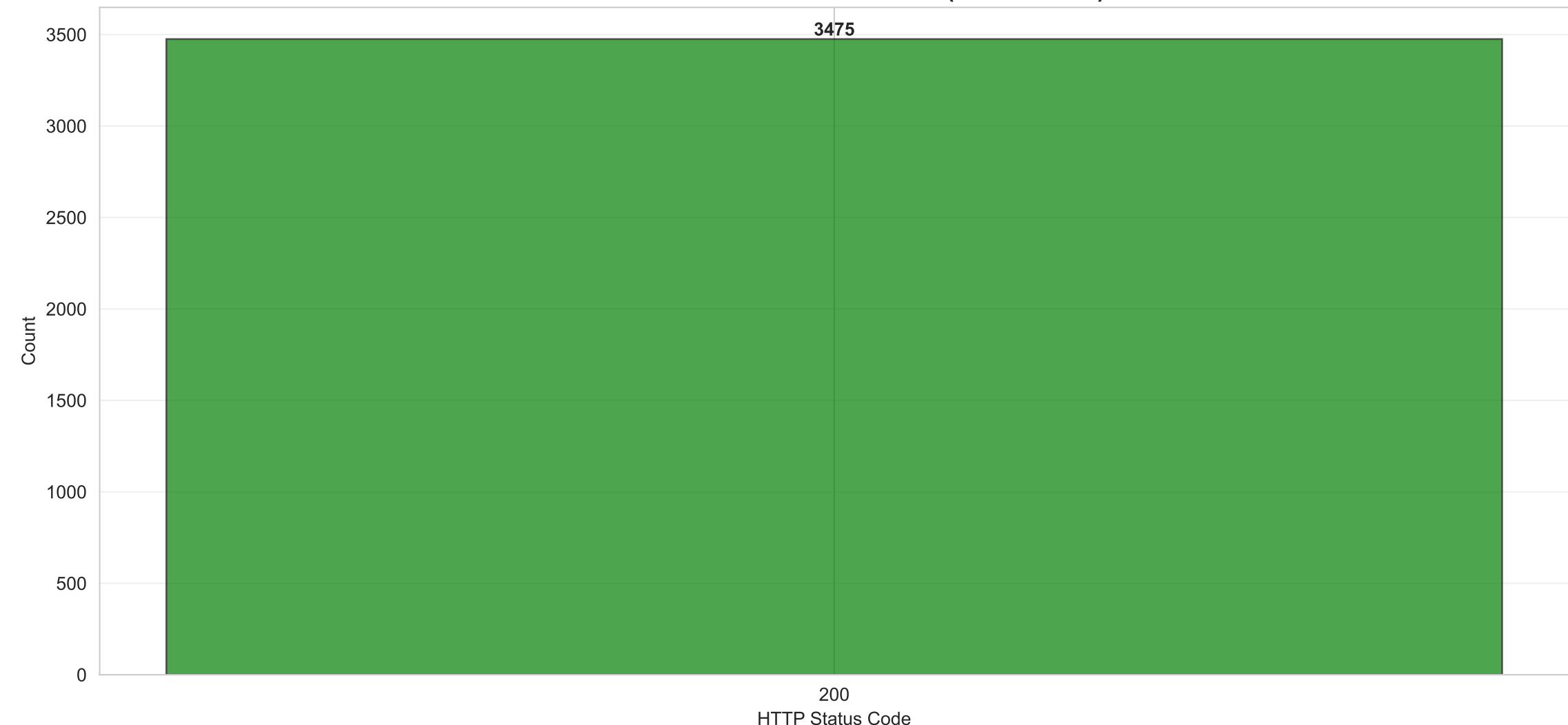
## Throughput Over Time (50 user test)



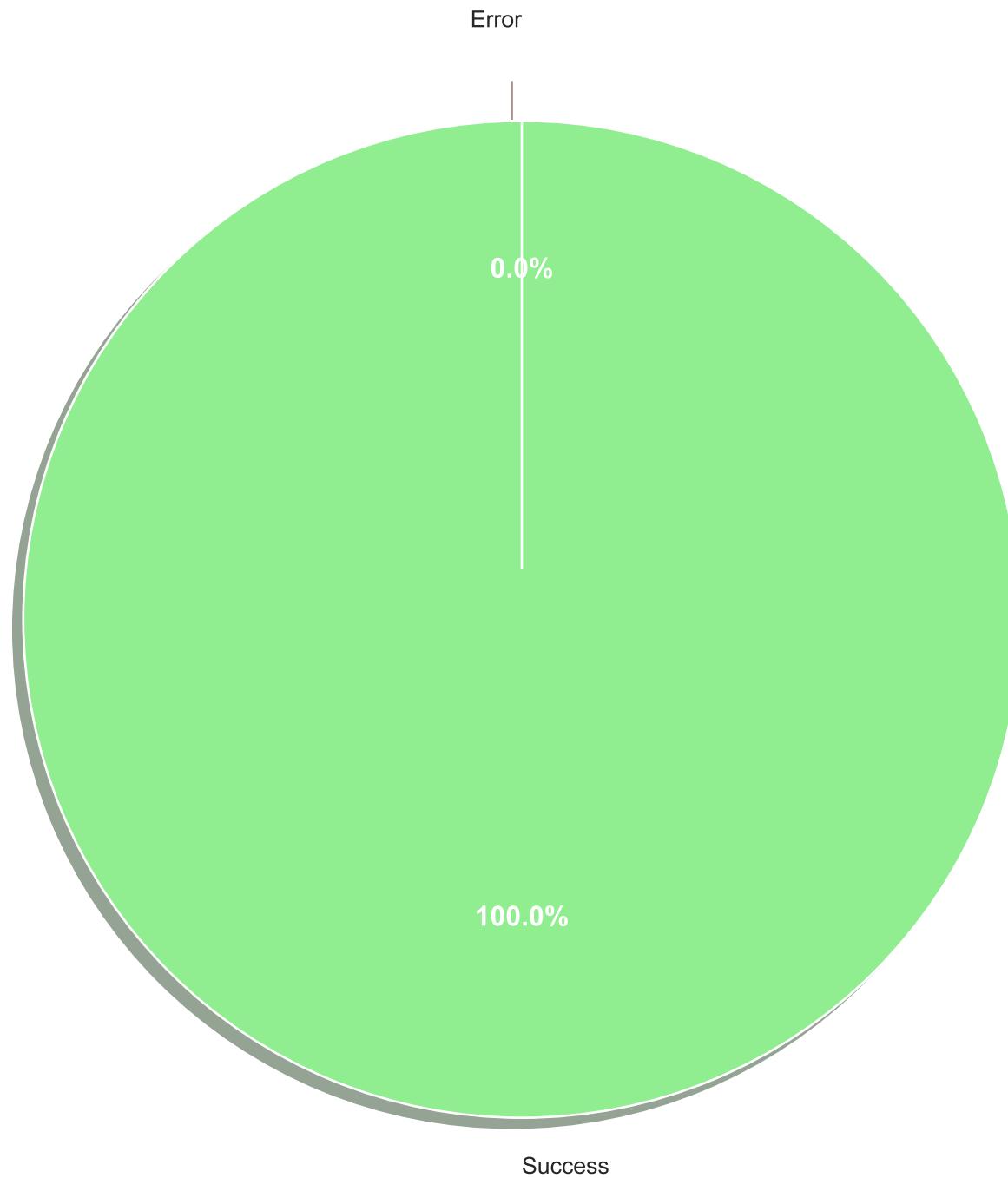
## Active Threads Over Time (50 user test)



## HTTP Status Code Distribution (50 user test)



## Success vs Error Rate (50 user test)



## Heat MAP - Standard

| Users | Avg   | 10%   | 20%   | 30%   | 40%   | 50%   | 60%   | 70%   | 80%   | 90%   | 95%   | 99%   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10    | 0.199 | 0.173 | 0.185 | 0.191 | 0.195 | 0.199 | 0.205 | 0.208 | 0.212 | 0.217 | 0.224 | 0.244 |
| 15    | 0.197 | 0.166 | 0.173 | 0.184 | 0.191 | 0.196 | 0.200 | 0.206 | 0.210 | 0.216 | 0.227 | 0.282 |
| 20    | 0.189 | 0.160 | 0.170 | 0.176 | 0.183 | 0.189 | 0.195 | 0.199 | 0.205 | 0.213 | 0.220 | 0.238 |
| 25    | 0.188 | 0.161 | 0.170 | 0.173 | 0.181 | 0.188 | 0.194 | 0.199 | 0.205 | 0.212 | 0.220 | 0.237 |
| 30    | 0.185 | 0.158 | 0.168 | 0.171 | 0.175 | 0.183 | 0.190 | 0.196 | 0.202 | 0.211 | 0.218 | 0.243 |
| 35    | 0.186 | 0.157 | 0.167 | 0.170 | 0.173 | 0.180 | 0.188 | 0.195 | 0.202 | 0.211 | 0.219 | 0.260 |
| 40    | 0.183 | 0.157 | 0.168 | 0.171 | 0.173 | 0.179 | 0.187 | 0.194 | 0.200 | 0.210 | 0.217 | 0.240 |
| 45    | 0.184 | 0.157 | 0.166 | 0.171 | 0.173 | 0.179 | 0.187 | 0.194 | 0.202 | 0.211 | 0.220 | 0.243 |
| 50    | 0.183 | 0.157 | 0.165 | 0.170 | 0.172 | 0.177 | 0.184 | 0.193 | 0.200 | 0.210 | 0.218 | 0.254 |

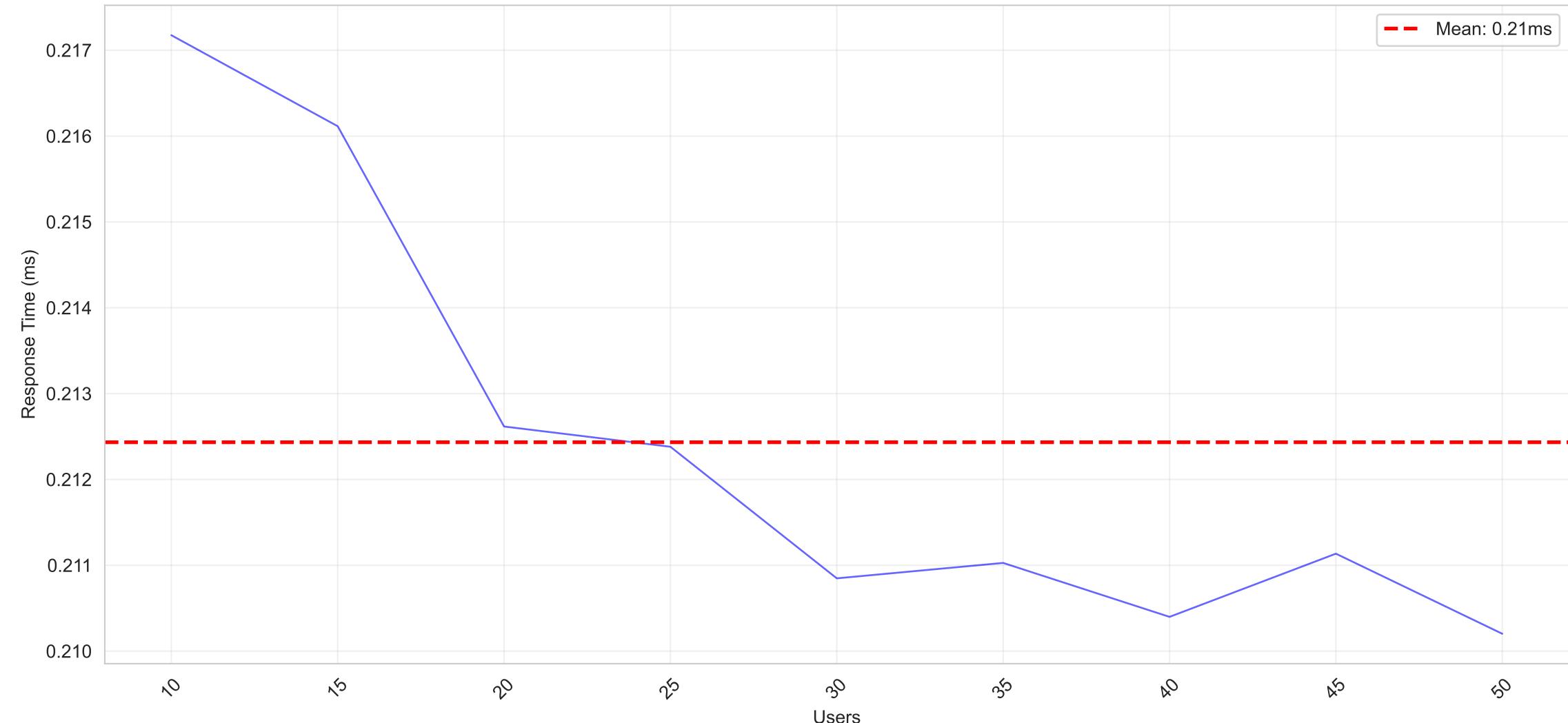
# Heat MAP - MyProject

| Users | Avg   | 10%   | 20%   | 30%   | 40%   | 50%   | 60%   | 70%   | 80%   | 90%   | 95%   | 99%   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10    | 0.199 | 0.173 | 0.185 | 0.191 | 0.195 | 0.199 | 0.205 | 0.208 | 0.212 | 0.217 | 0.224 | 0.244 |
| 15    | 0.197 | 0.166 | 0.173 | 0.184 | 0.191 | 0.196 | 0.200 | 0.206 | 0.210 | 0.216 | 0.227 | 0.282 |
| 20    | 0.189 | 0.160 | 0.170 | 0.176 | 0.183 | 0.189 | 0.195 | 0.199 | 0.205 | 0.213 | 0.220 | 0.238 |
| 25    | 0.188 | 0.161 | 0.170 | 0.173 | 0.181 | 0.188 | 0.194 | 0.199 | 0.205 | 0.212 | 0.220 | 0.237 |
| 30    | 0.185 | 0.158 | 0.168 | 0.171 | 0.175 | 0.183 | 0.190 | 0.196 | 0.202 | 0.211 | 0.218 | 0.243 |
| 35    | 0.186 | 0.157 | 0.167 | 0.170 | 0.173 | 0.180 | 0.188 | 0.195 | 0.202 | 0.211 | 0.219 | 0.260 |
| 40    | 0.183 | 0.157 | 0.168 | 0.171 | 0.173 | 0.179 | 0.187 | 0.194 | 0.200 | 0.210 | 0.217 | 0.240 |
| 45    | 0.184 | 0.157 | 0.166 | 0.171 | 0.173 | 0.179 | 0.187 | 0.194 | 0.202 | 0.211 | 0.220 | 0.243 |
| 50    | 0.183 | 0.157 | 0.165 | 0.170 | 0.172 | 0.177 | 0.184 | 0.193 | 0.200 | 0.210 | 0.218 | 0.254 |

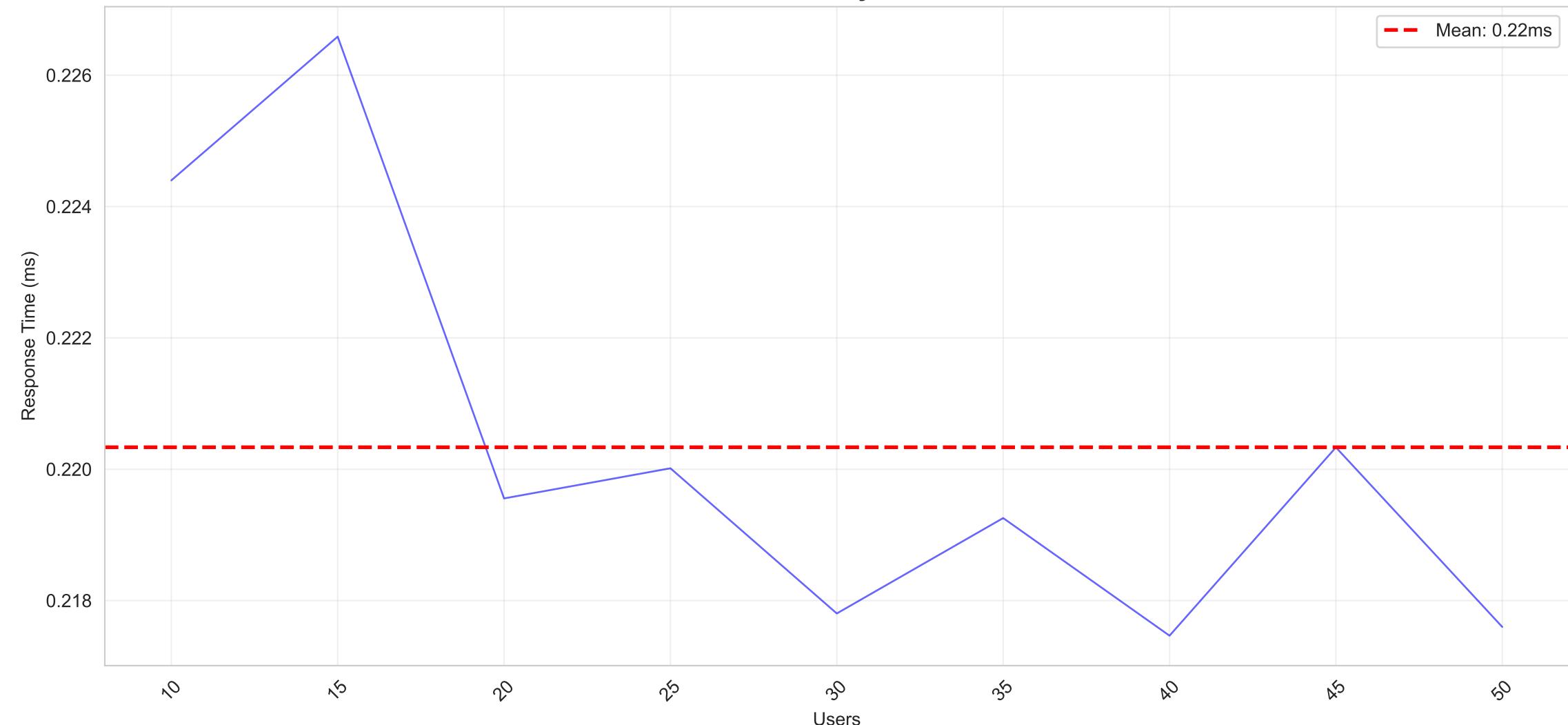
## Avg Latency Trend



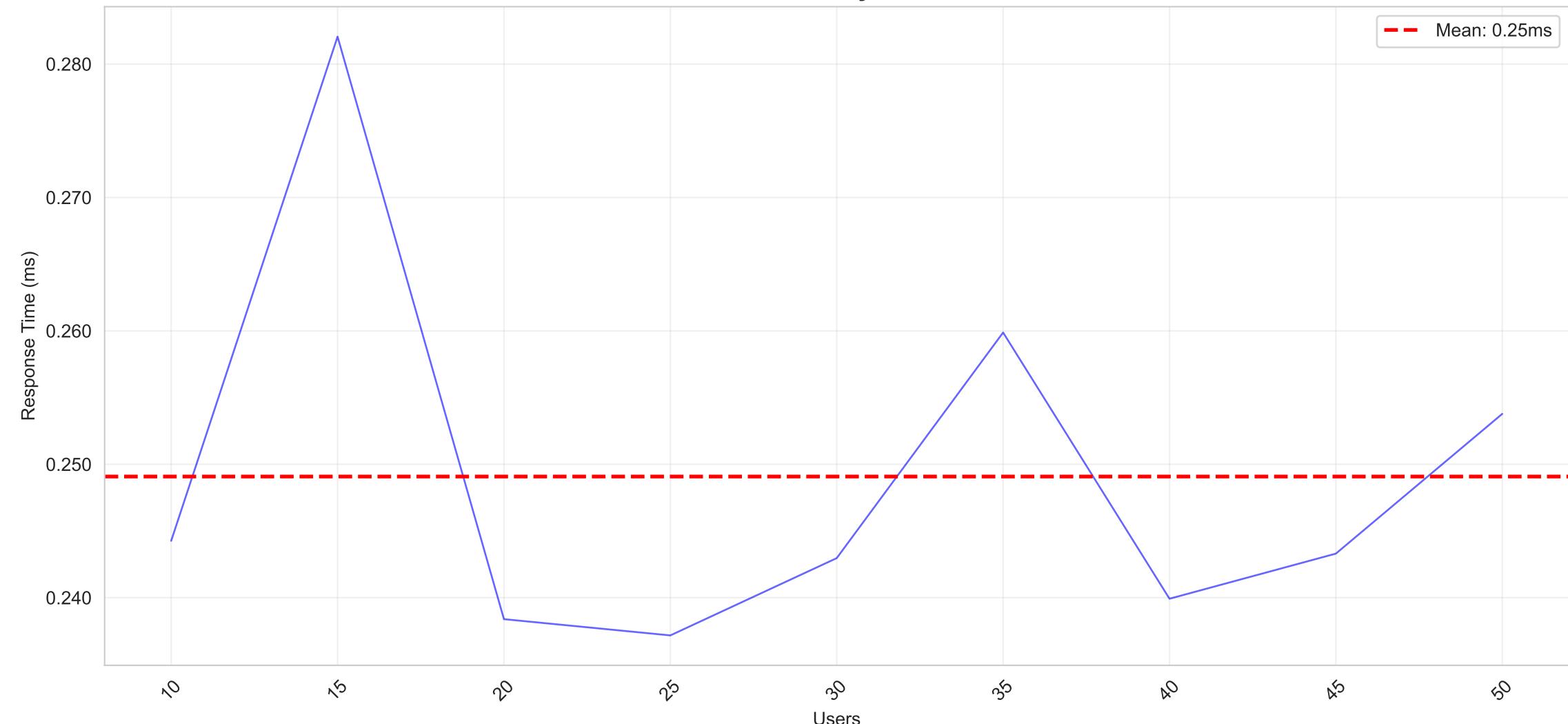
## 90% Latency Trend



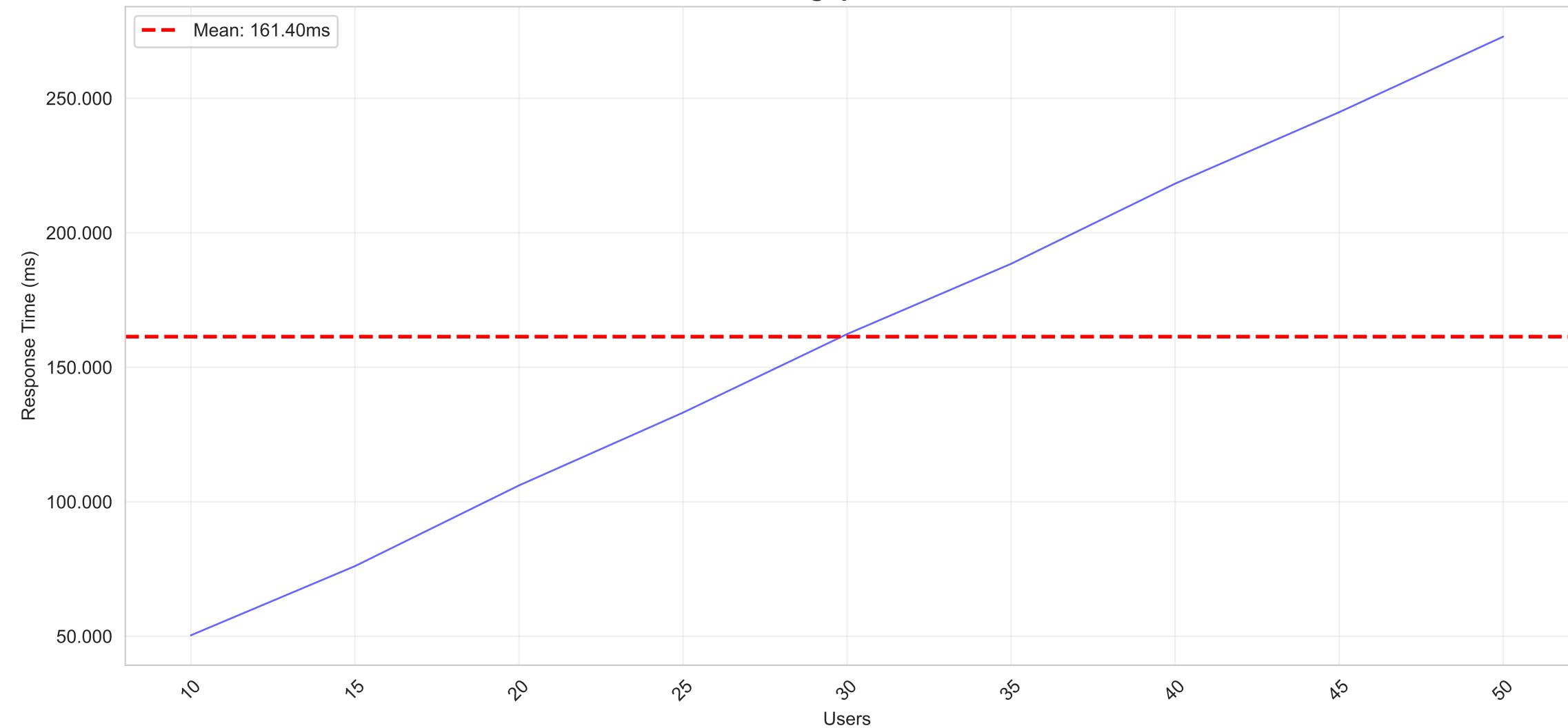
## 95% Latency Trend



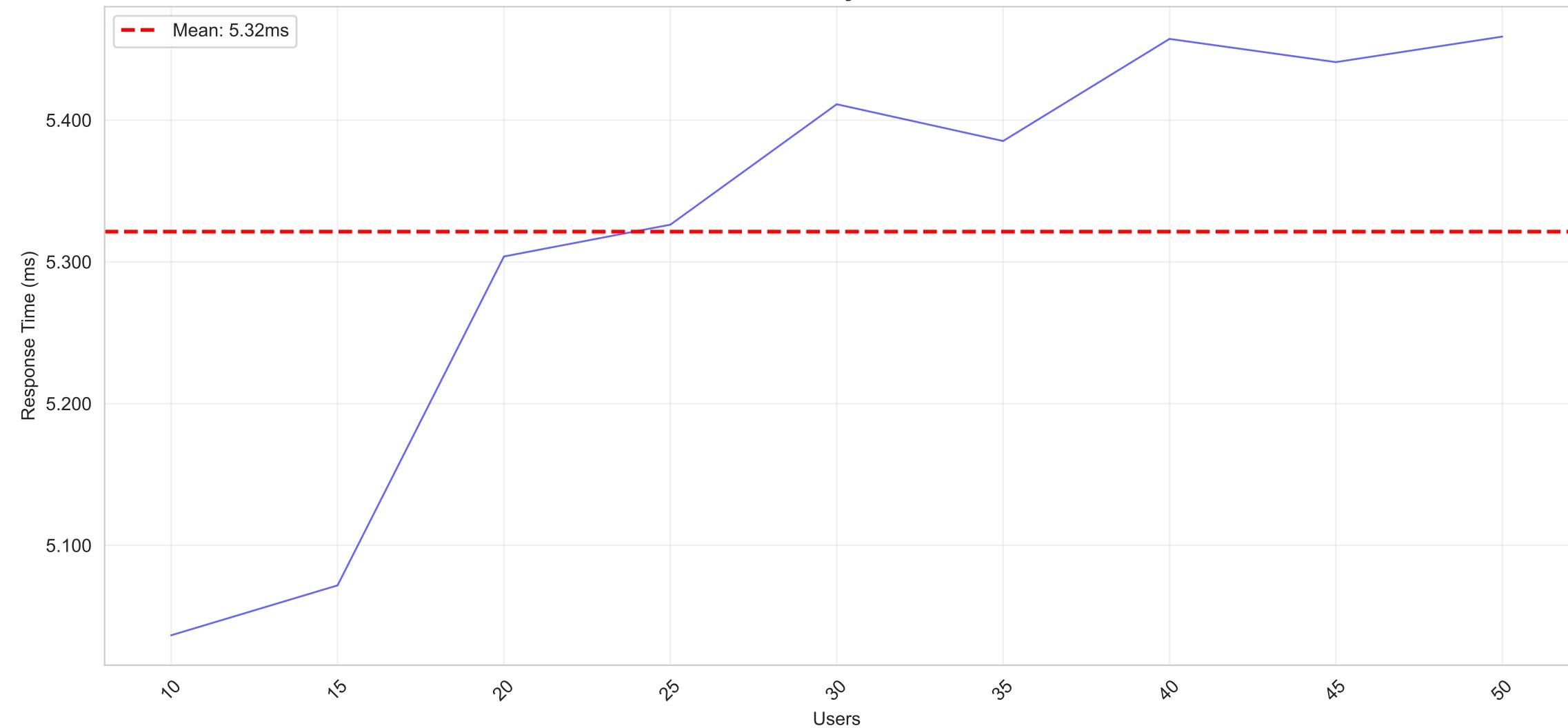
## 99% Latency Trend



## Throughput Trend



## Efficiency Trend



## Test Score & Grade

| Users | Latency-SLA | Throughput-Stability | Latency-Stability | Efficiency-Drop | Weighted-Score | Grade     |
|-------|-------------|----------------------|-------------------|-----------------|----------------|-----------|
| 10    | 0           | 0                    | 0                 | 0               | 100            | Excellent |
| 15    | 0           | 0                    | 0                 | 0               | 100            | Excellent |
| 20    | 0           | 0                    | 0                 | 0               | 100            | Excellent |
| 25    | 0           | 0                    | 0                 | 0               | 100            | Excellent |
| 30    | 0           | 0                    | 0                 | 0               | 100            | Excellent |
| 35    | 0           | 0                    | 0                 | 0               | 100            | Excellent |
| 40    | 0           | 0                    | 0                 | 0               | 100            | Excellent |
| 45    | 0           | 0                    | 0                 | 0               | 100            | Excellent |
| 50    | 0           | 0                    | 0                 | 0               | 100            | Excellent |

## Conclusion

System State: SCALING (No saturation detected)

Safe Concurrency: 50

Safe Throughput: 272.94716817726356

Saturation found: NA

\*\*Notes:

\*\*\*\*\*>: NA