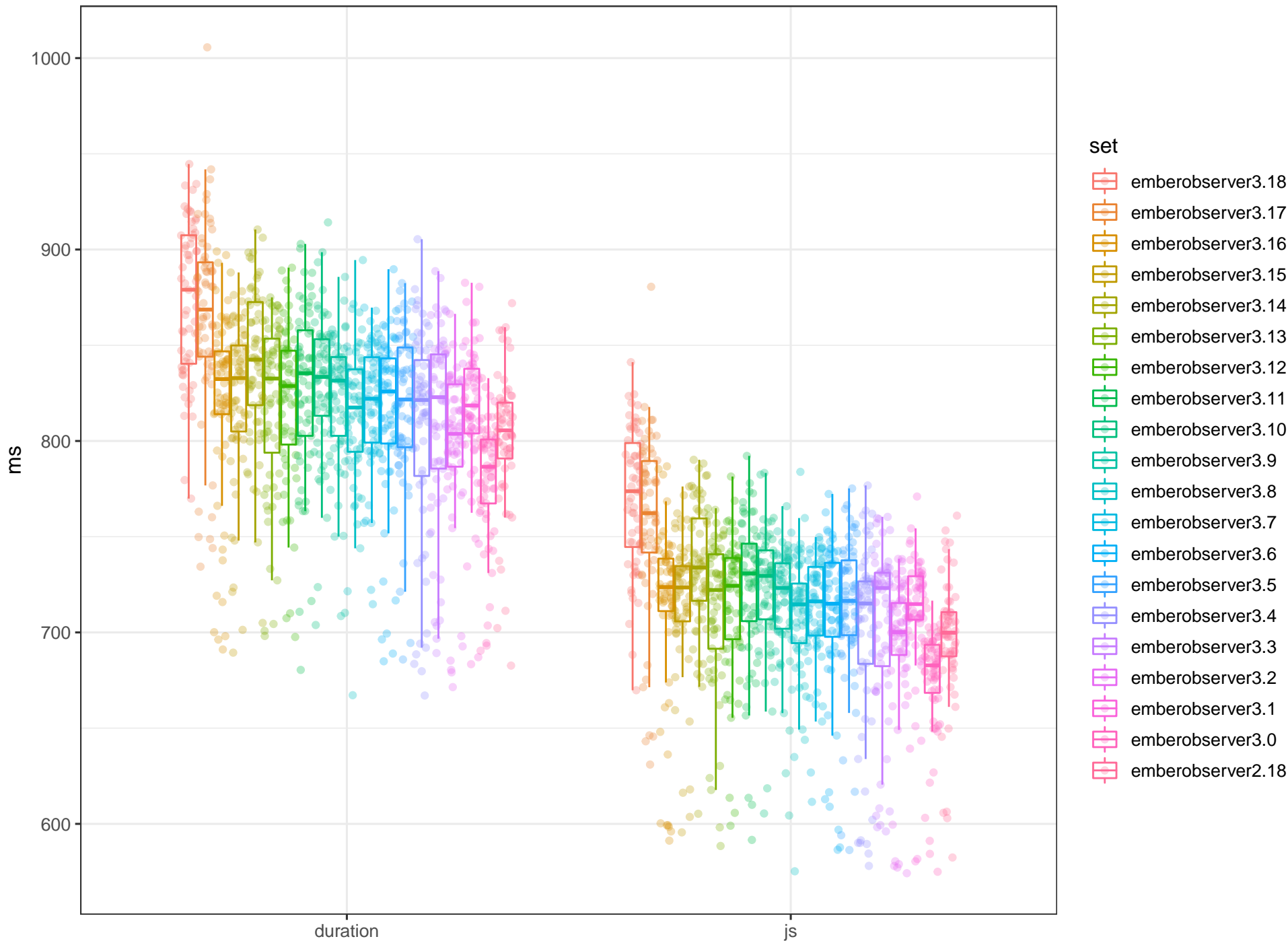
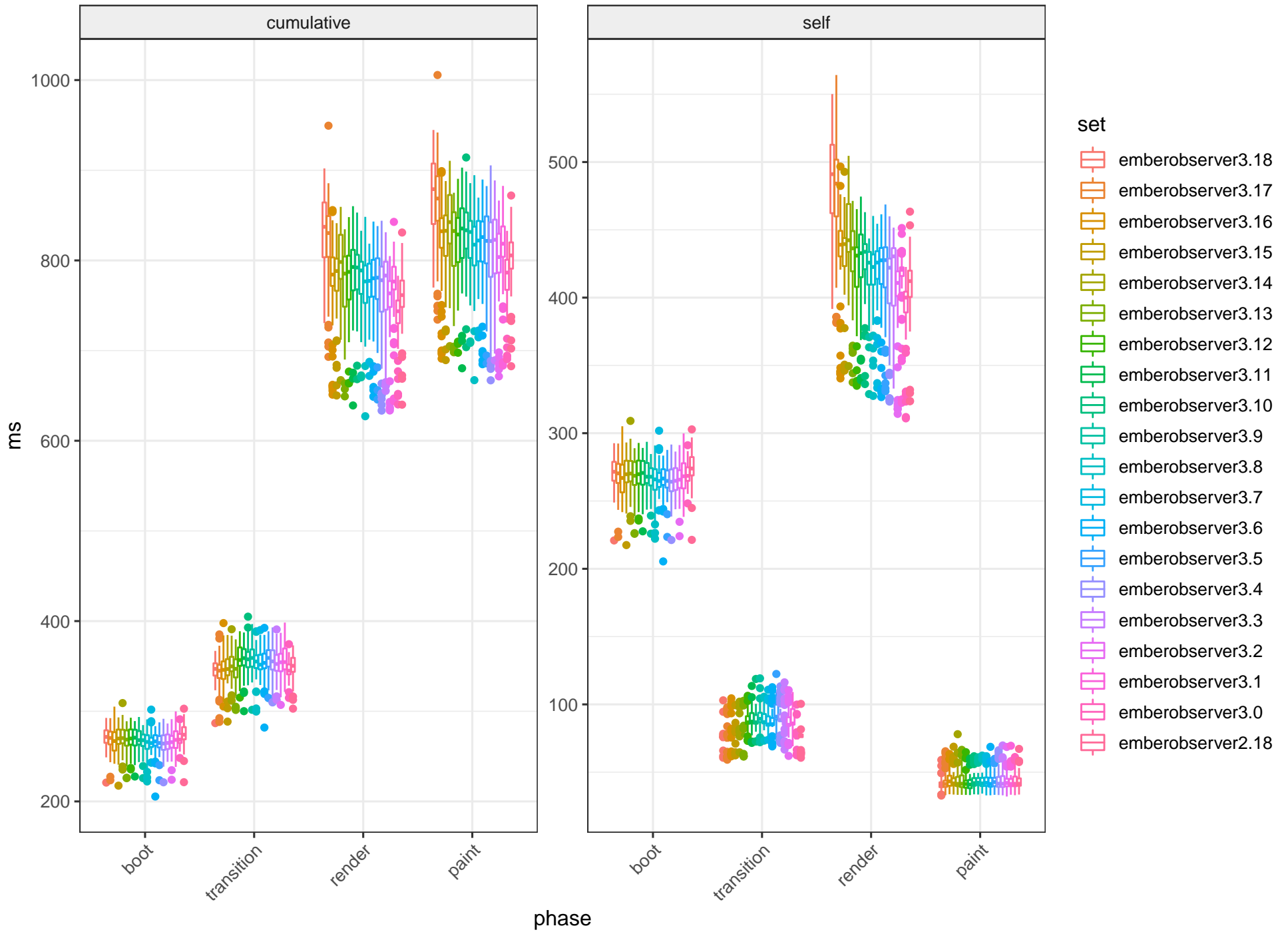


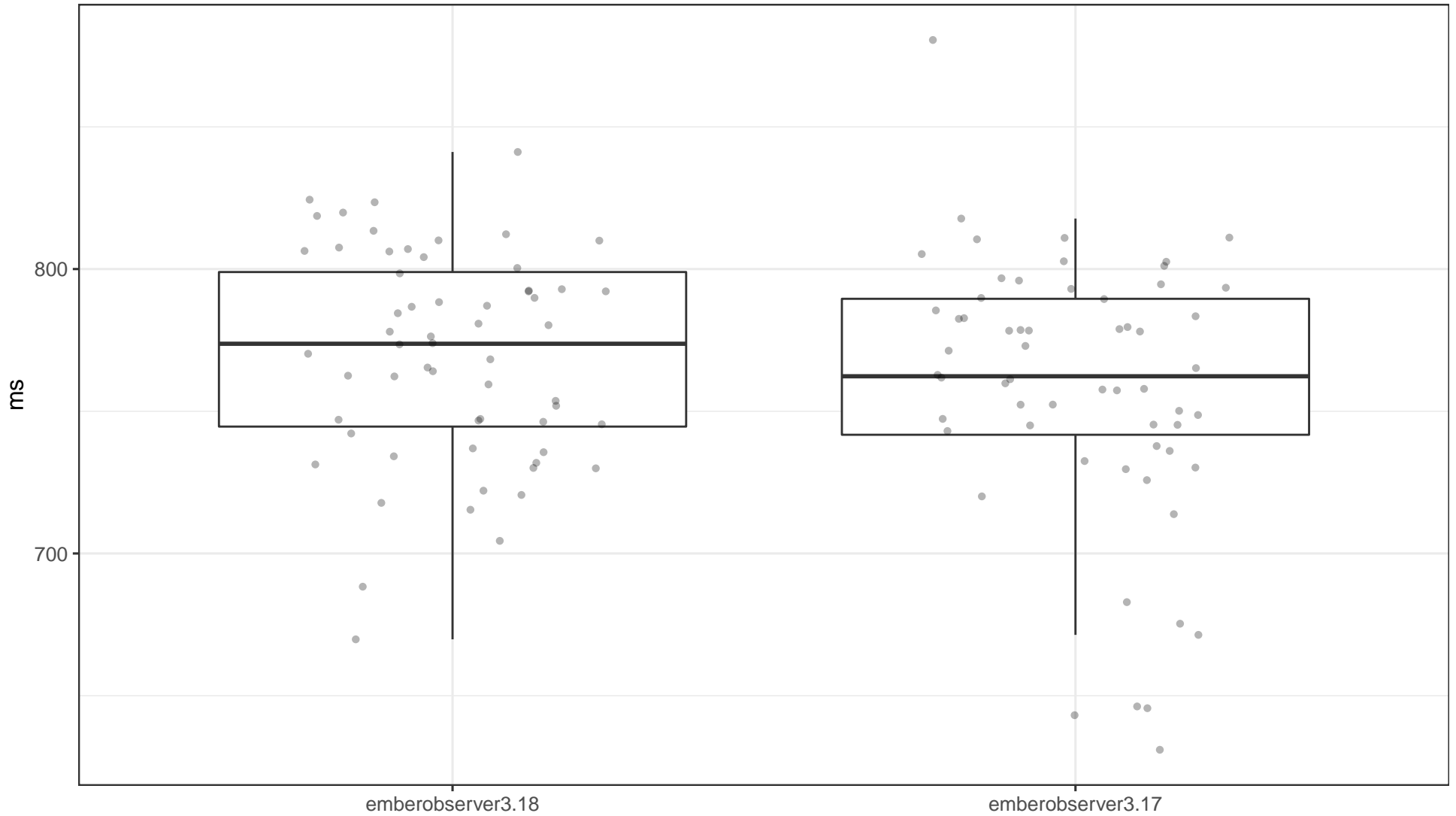
Initial Render Benchmark



Phase Durations



Test emberobserver3.18 JS Samples Against emberobserver3.17 JS Samples

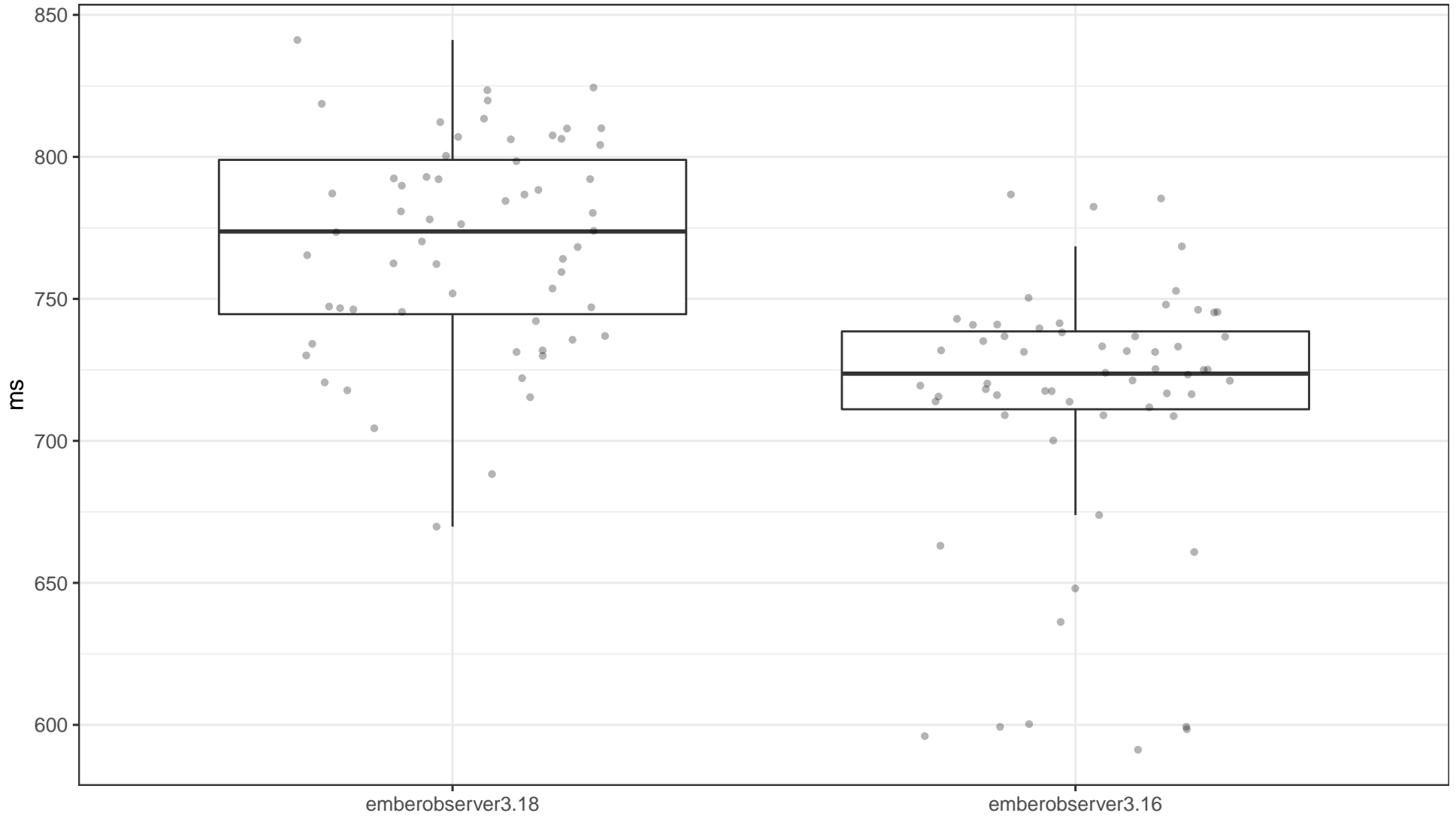


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %23.66 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +8.52ms, with a %95 confidence it is between -5.19ms and +22.79ms.

Test emberobserver3.18 JS Samples Against emberobserver3.16 JS Samples

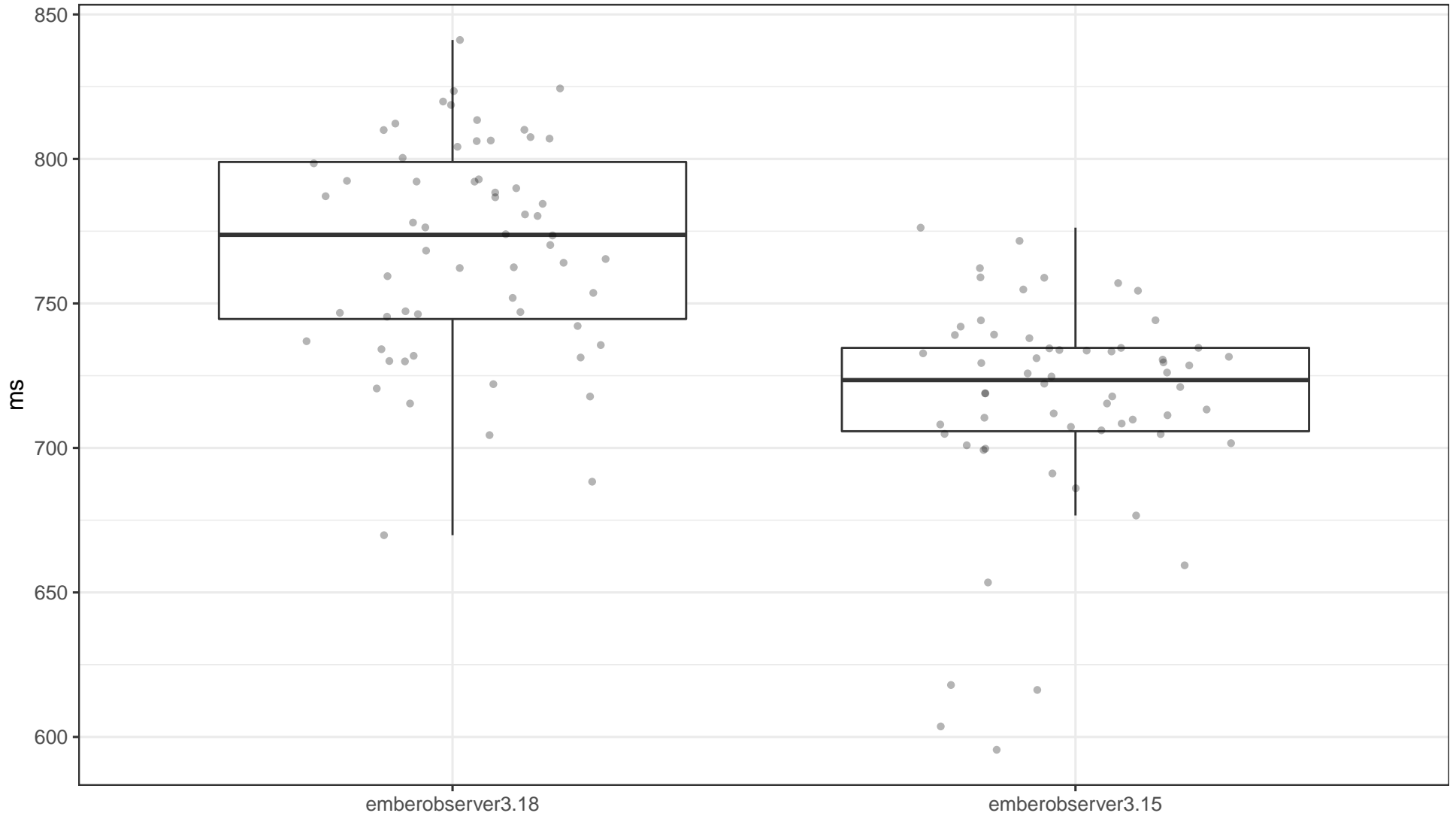


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +52.83ms, with a %95 confidence it is between +37.84ms and +66.96ms.

Test emberobserver3.18 JS Samples Against emberobserver3.15 JS Samples

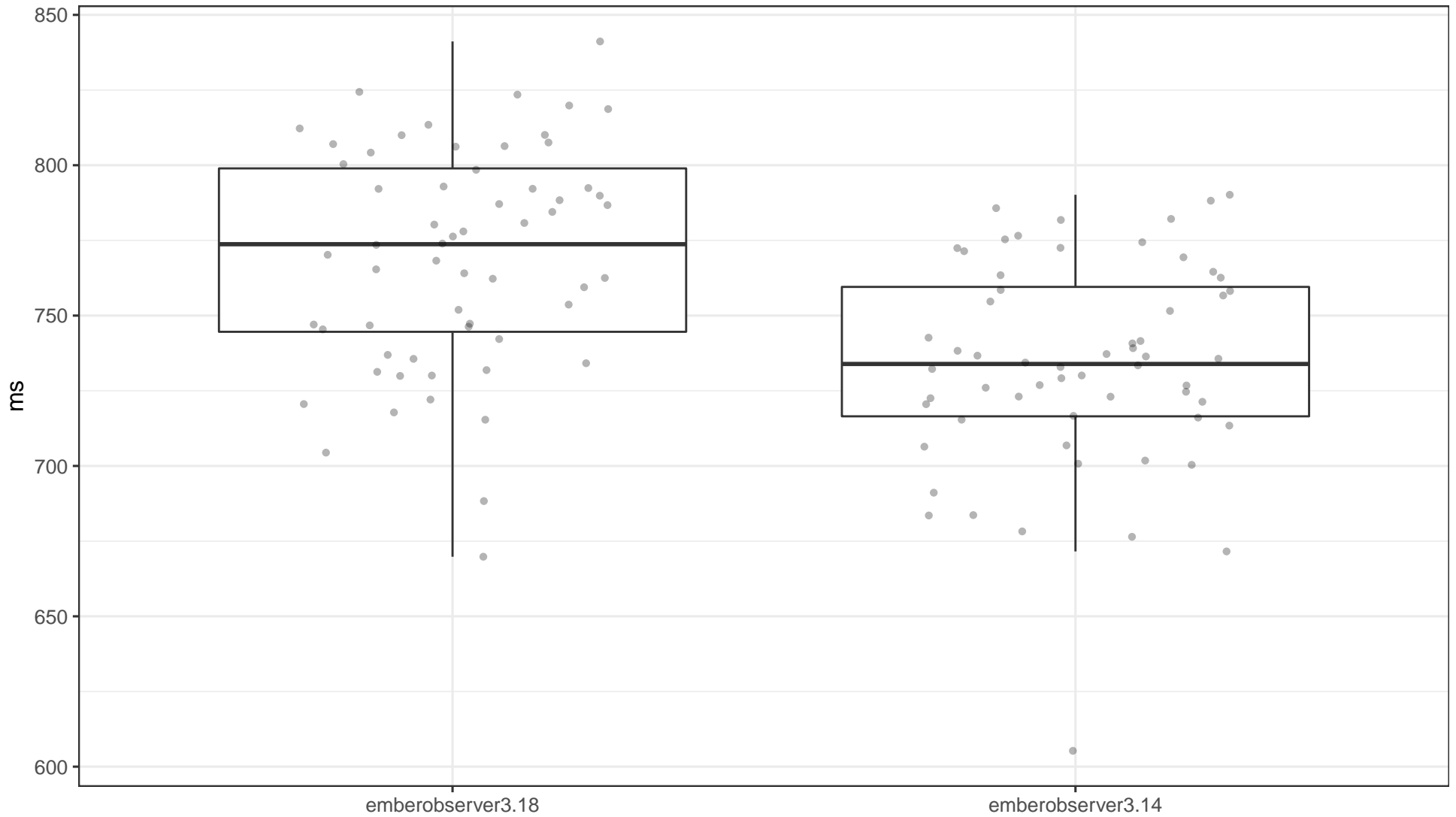


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +52.20ms, with a %95 confidence it is between +38.59ms and +65.13ms.

Test emberobserver3.18 JS Samples Against emberobserver3.14 JS Samples

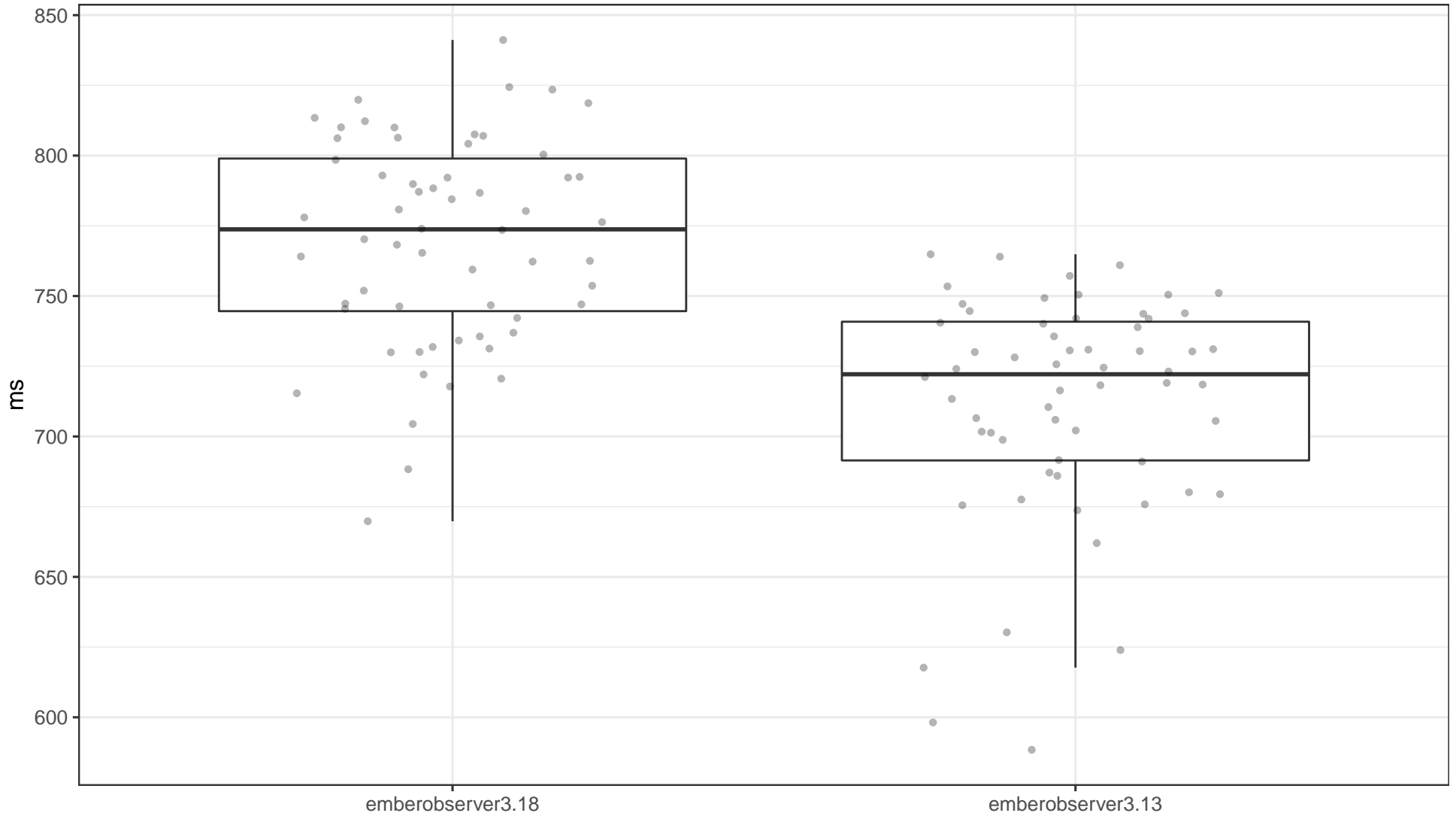


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +35.59ms, with a %95 confidence it is between +22.28ms and +49.08ms.

Test emberobserver3.18 JS Samples Against emberobserver3.13 JS Samples

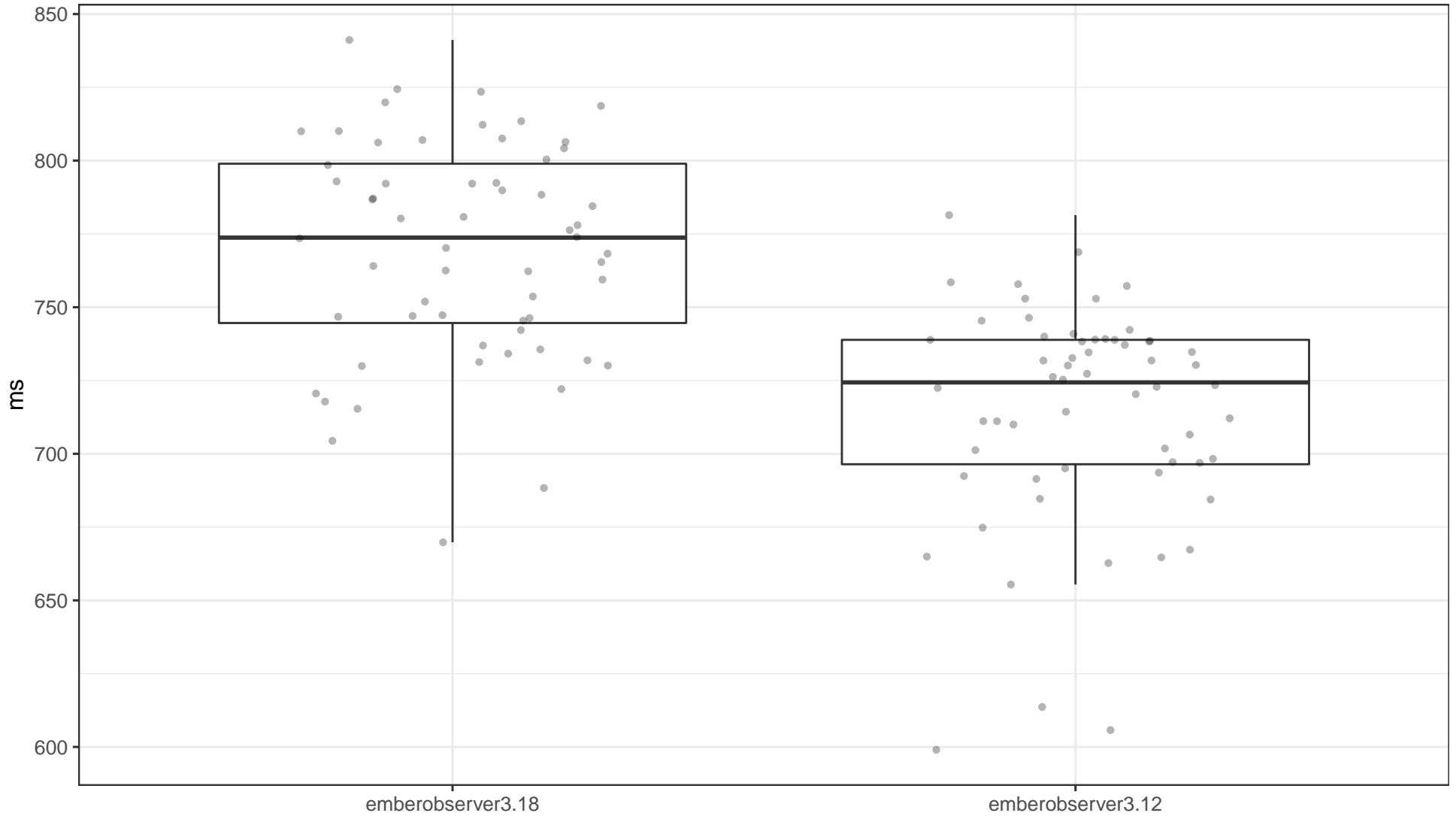


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +55.84ms, with a %95 confidence it is between +42.55ms and +68.16ms.

Test emberobserver3.18 JS Samples Against emberobserver3.12 JS Samples

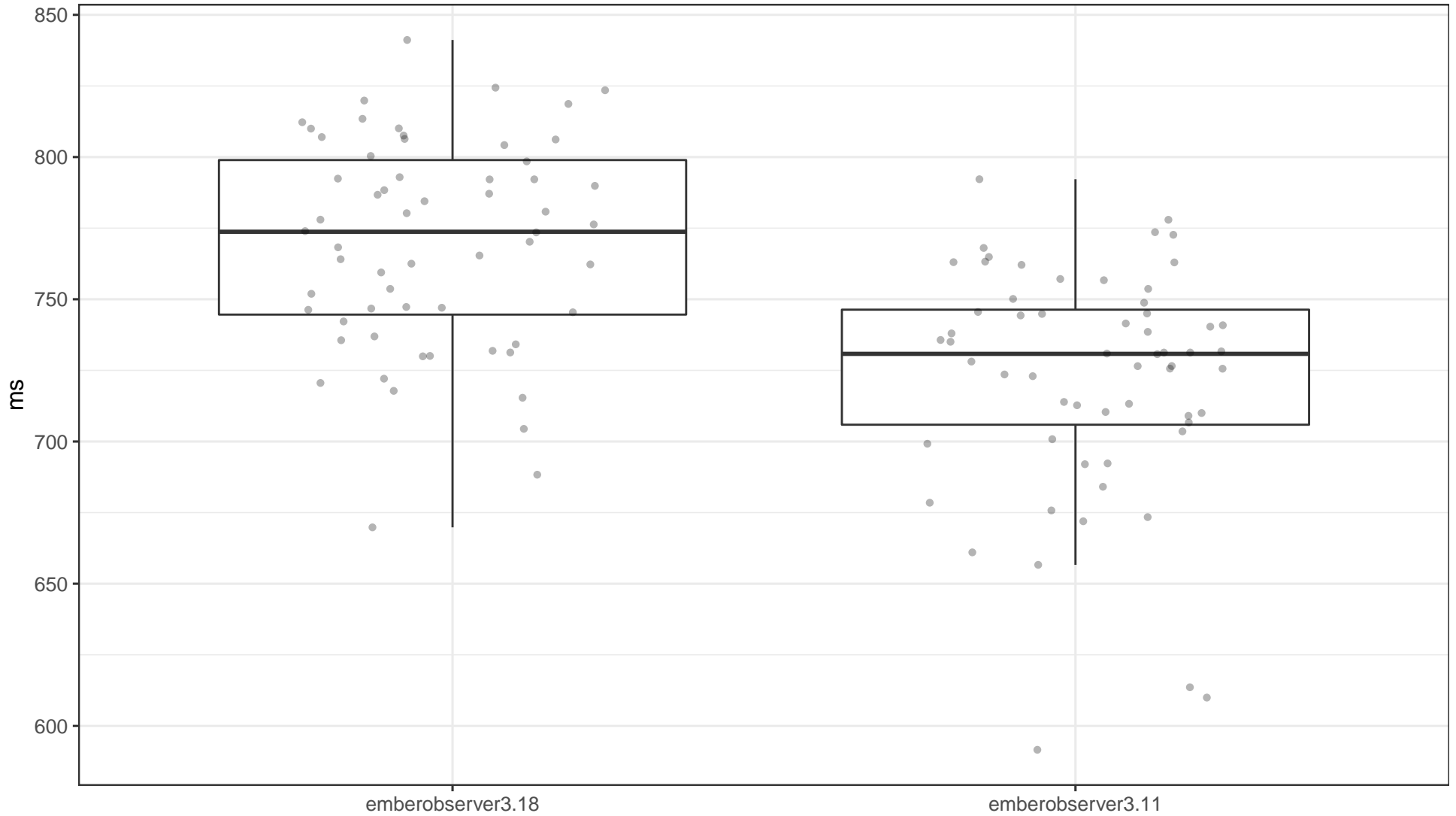


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +53.76ms, with a %95 confidence it is between +40.59ms and +67.14ms.

Test emberobserver3.18 JS Samples Against emberobserver3.11 JS Samples

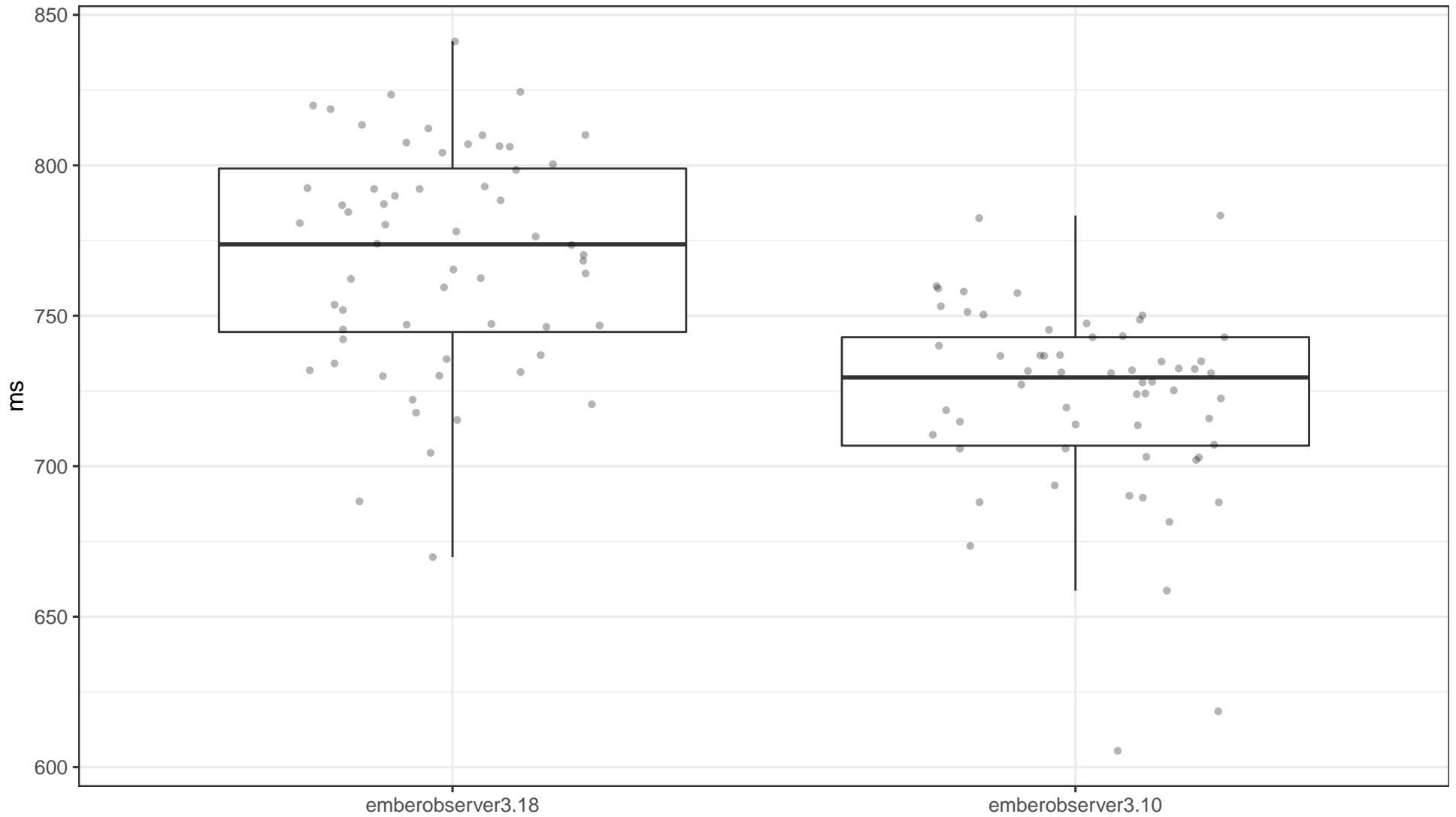


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +45.54ms, with a %95 confidence it is between +32.03ms and +59.00ms.

Test emberobserver3.18 JS Samples Against emberobserver3.10 JS Samples

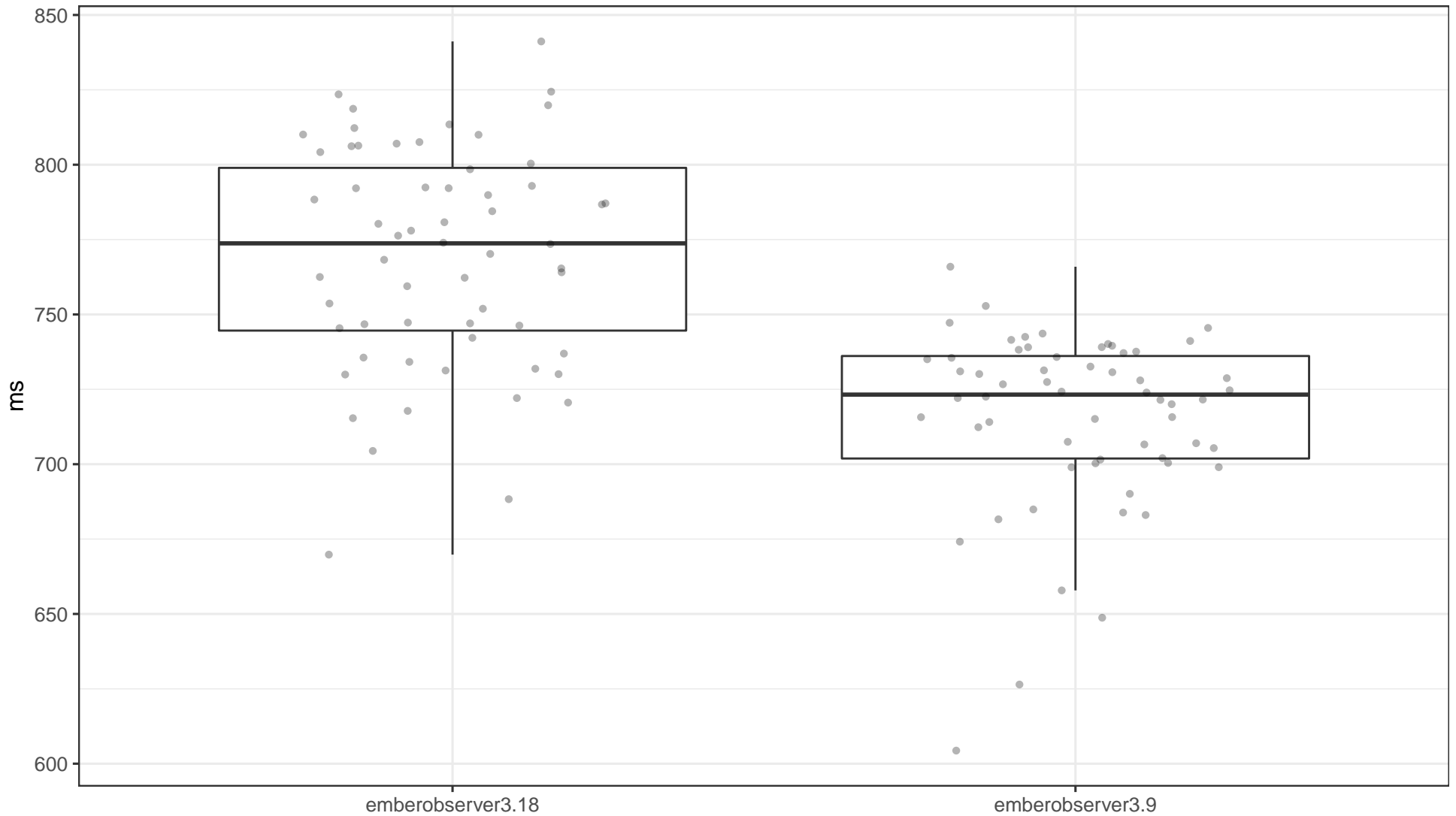


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +47.19ms, with a %95 confidence it is between +33.89ms and +59.41ms.

Test emberobserver3.18 JS Samples Against emberobserver3.9 JS Samples

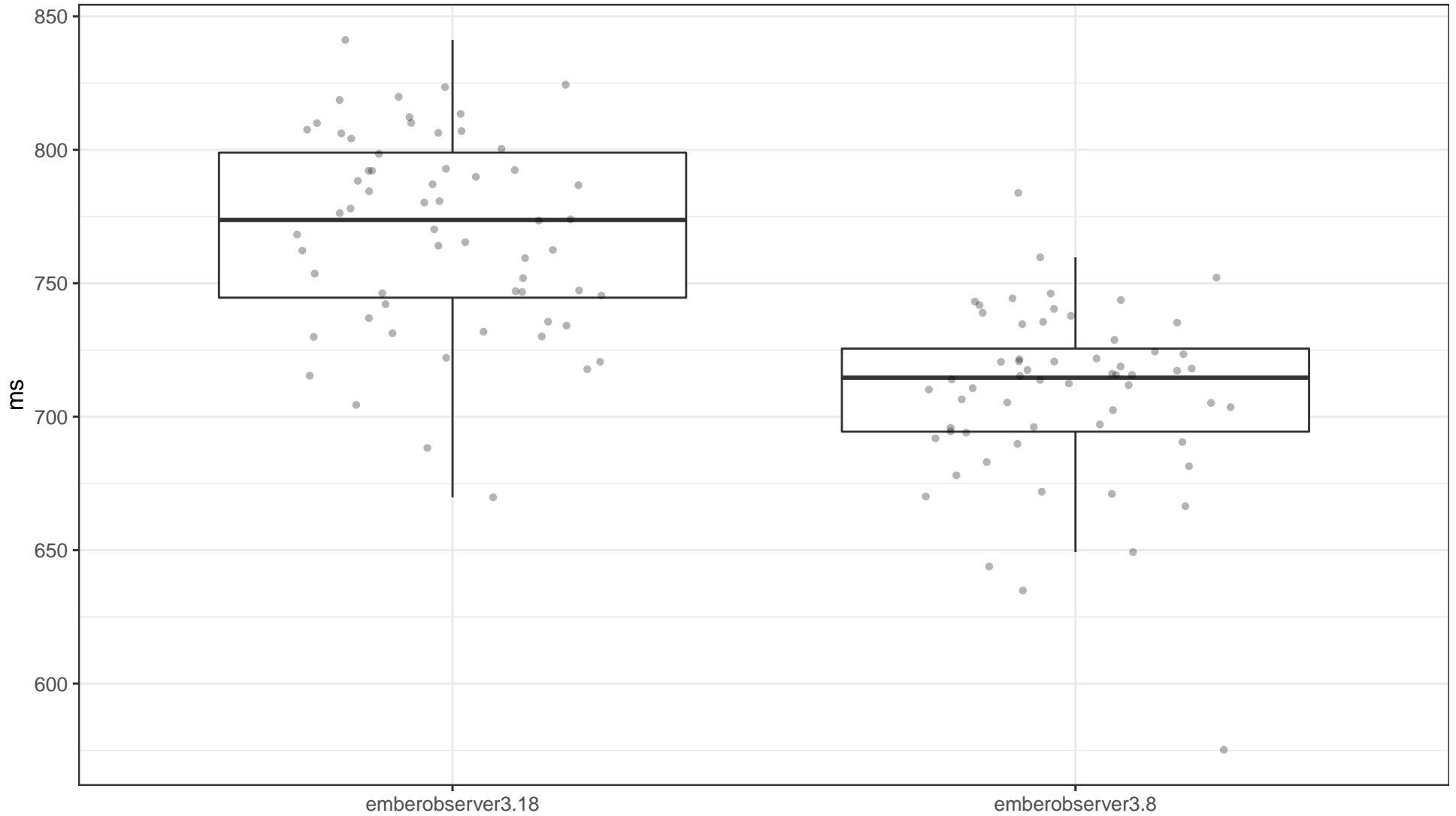


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +53.94ms, with a %95 confidence it is between +41.48ms and +66.18ms.

Test emberobserver3.18 JS Samples Against emberobserver3.8 JS Samples

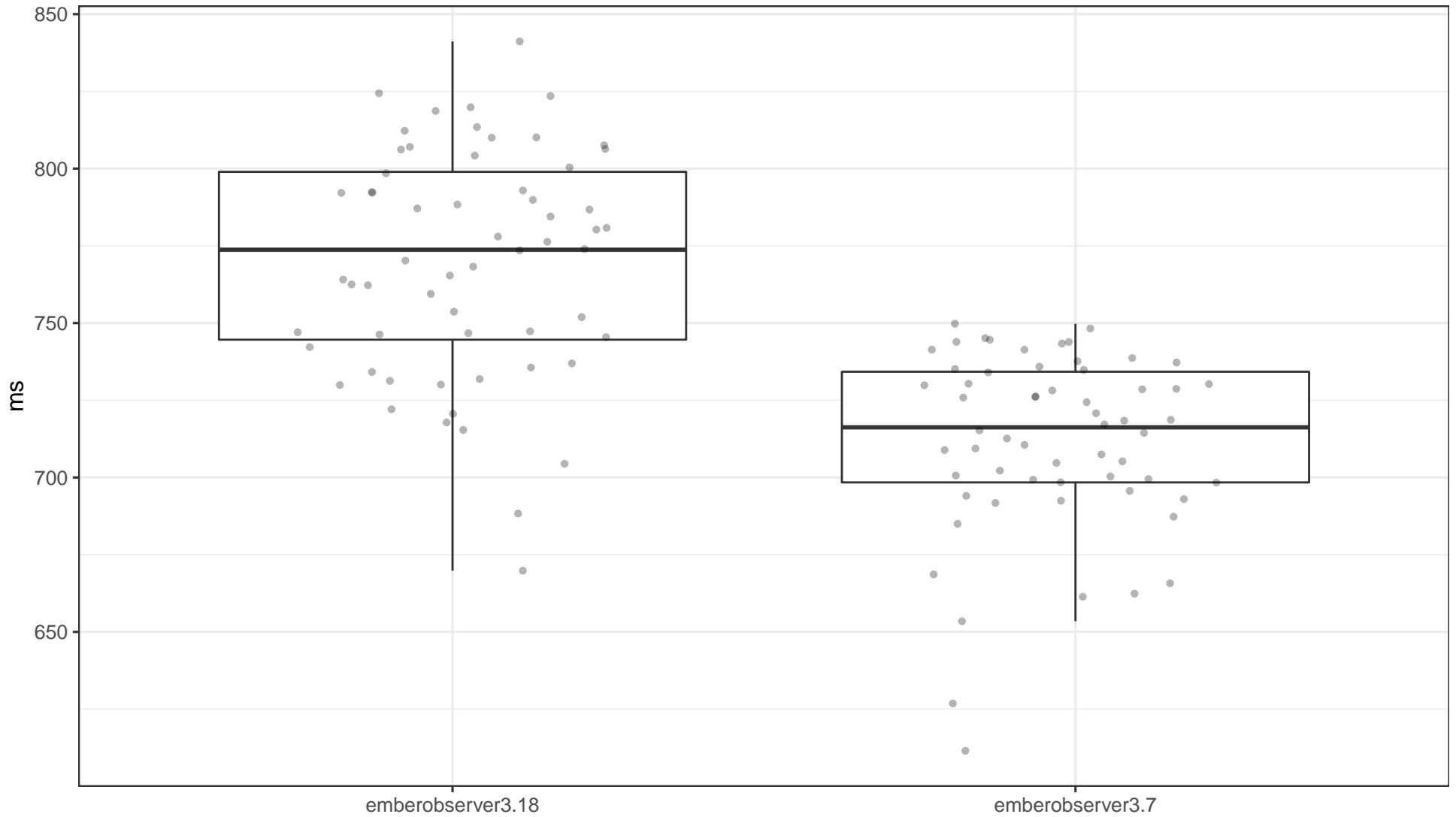


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +61.43ms, with a %95 confidence it is between +48.33ms and +73.48ms.

Test emberobserver3.18 JS Samples Against emberobserver3.7 JS Samples

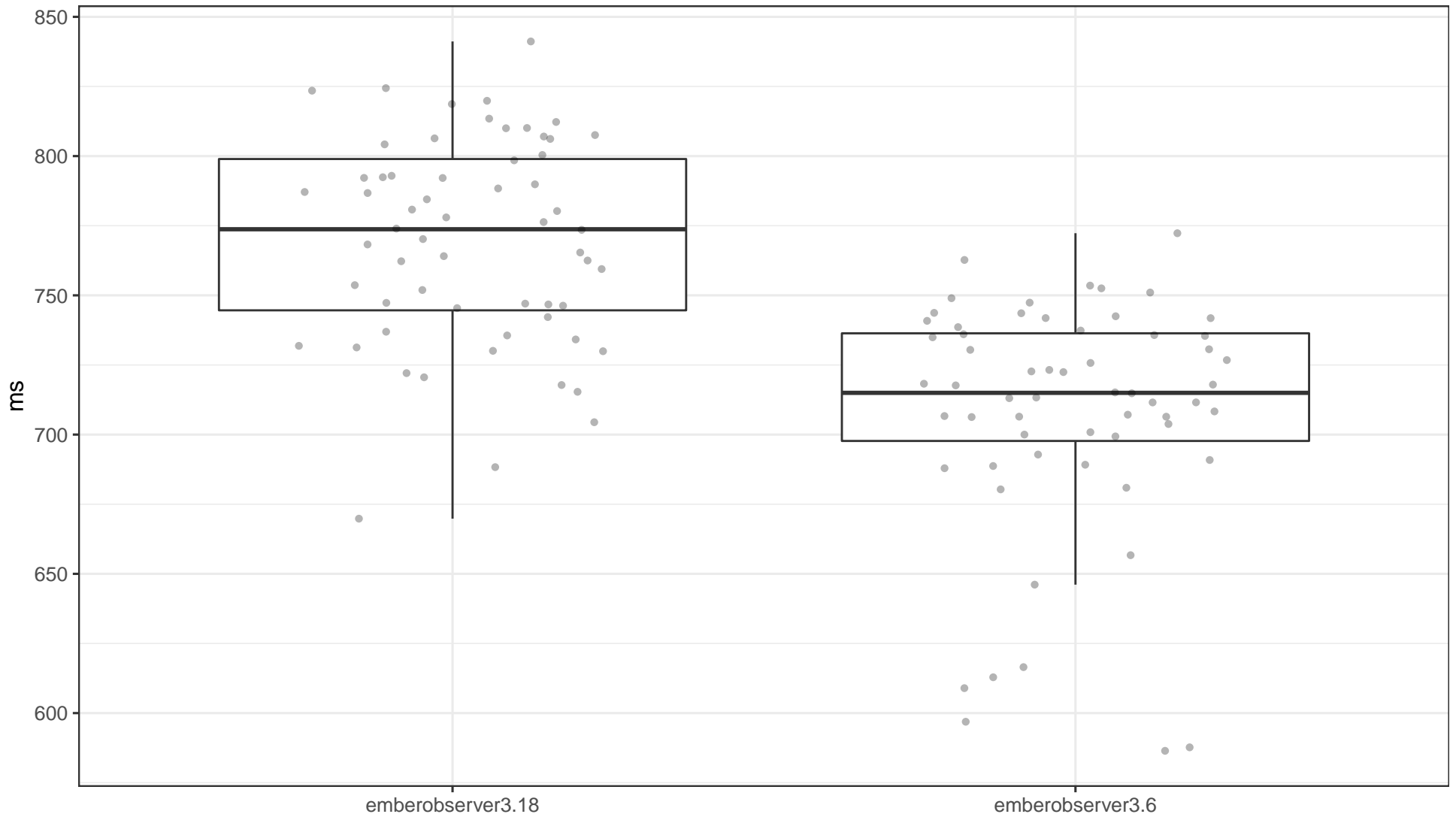


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +58.90ms, with a %95 confidence it is between +45.97ms and +70.53ms.

Test emberobserver3.18 JS Samples Against emberobserver3.6 JS Samples

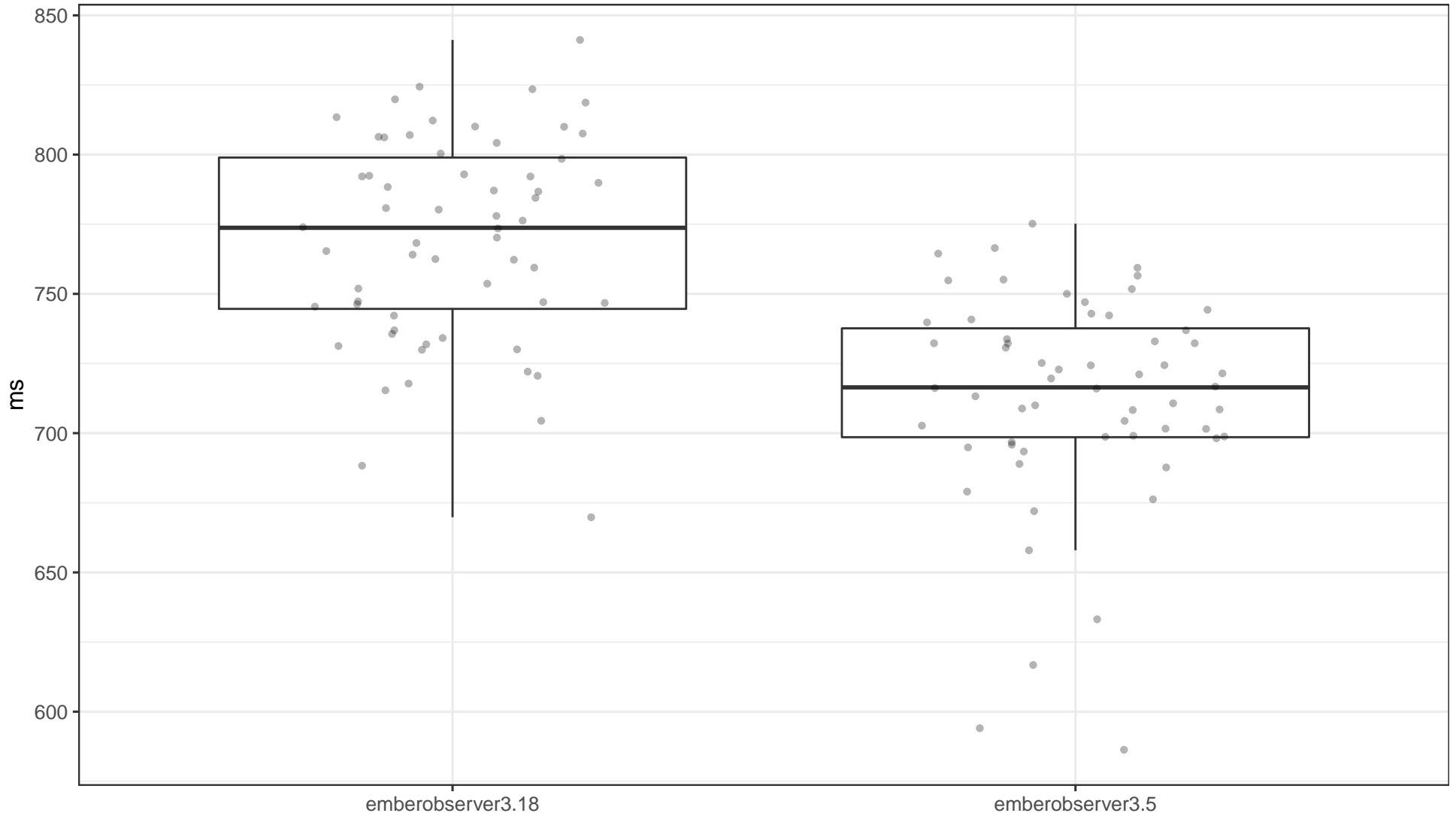


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +58.11ms, with a %95 confidence it is between +44.80ms and +71.63ms.

Test emberobserver3.18 JS Samples Against emberobserver3.5 JS Samples

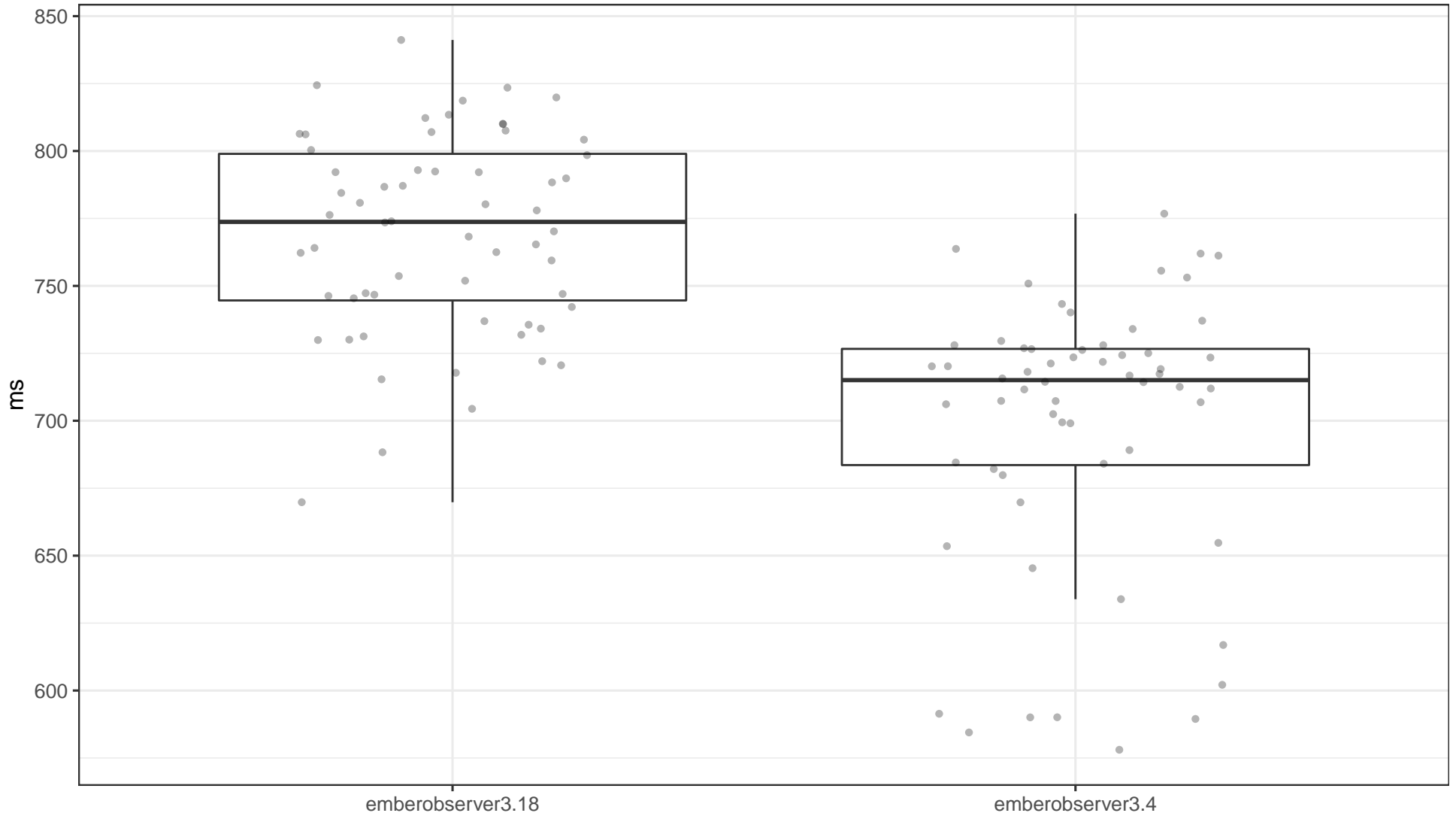


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +55.05ms, with a %95 confidence it is between +42.12ms and +68.22ms.

Test emberobserver3.18 JS Samples Against emberobserver3.4 JS Samples

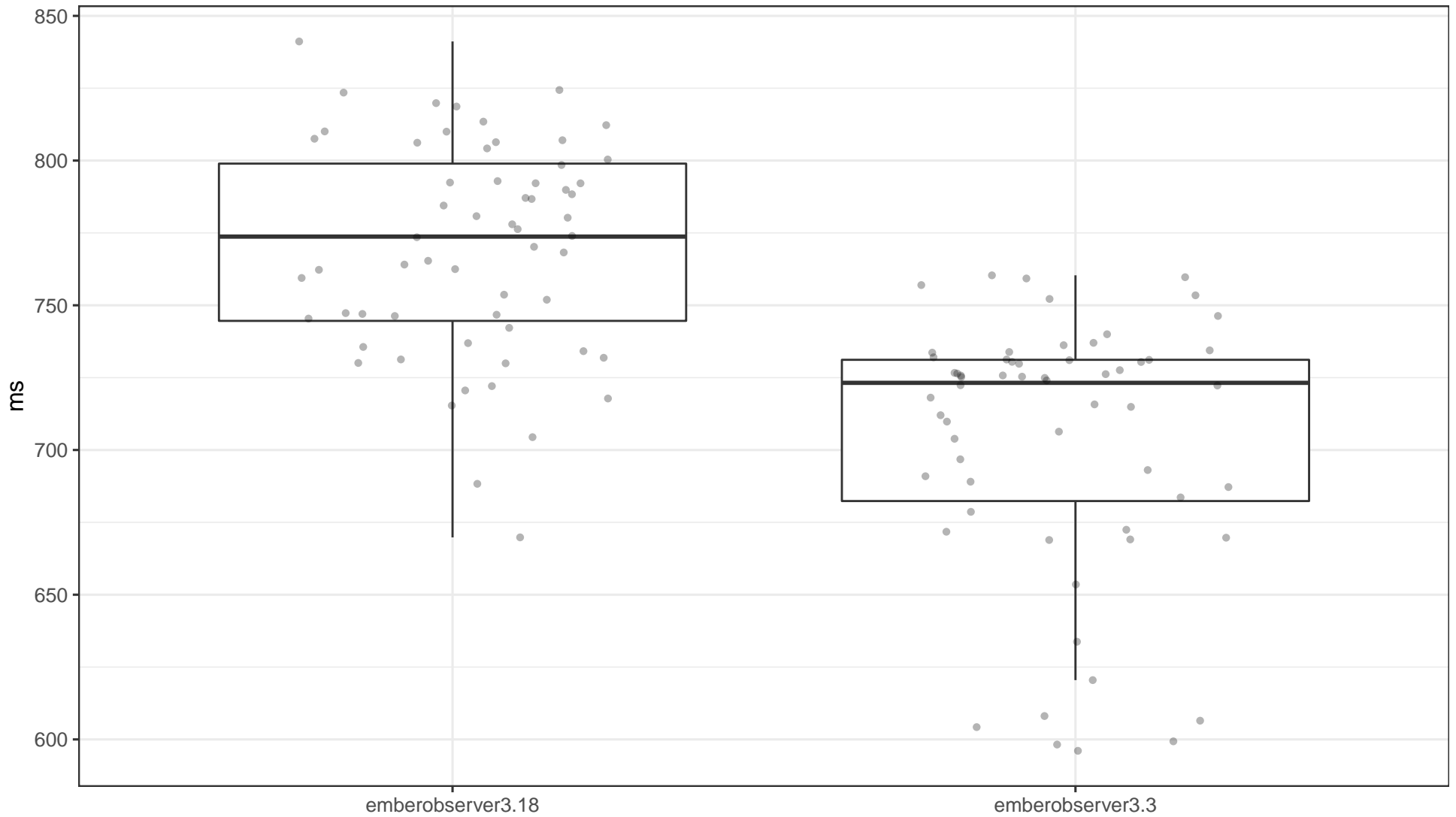


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +64.92ms, with a %95 confidence it is between +50.09ms and +79.95ms.

Test emberobserver3.18 JS Samples Against emberobserver3.3 JS Samples

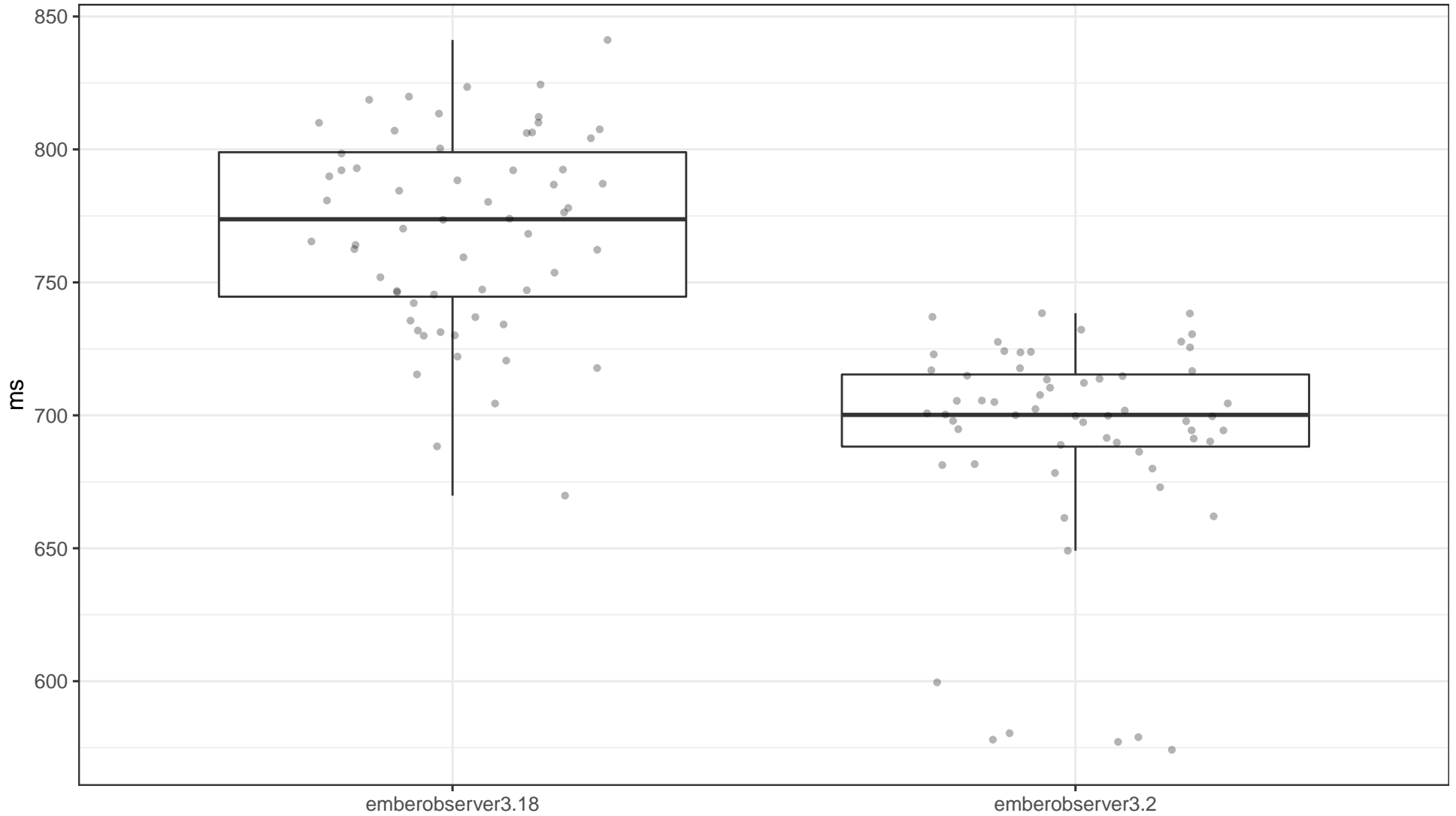


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +61.75ms, with a %95 confidence it is between +48.40ms and +76.14ms.

Test emberobserver3.18 JS Samples Against emberobserver3.2 JS Samples

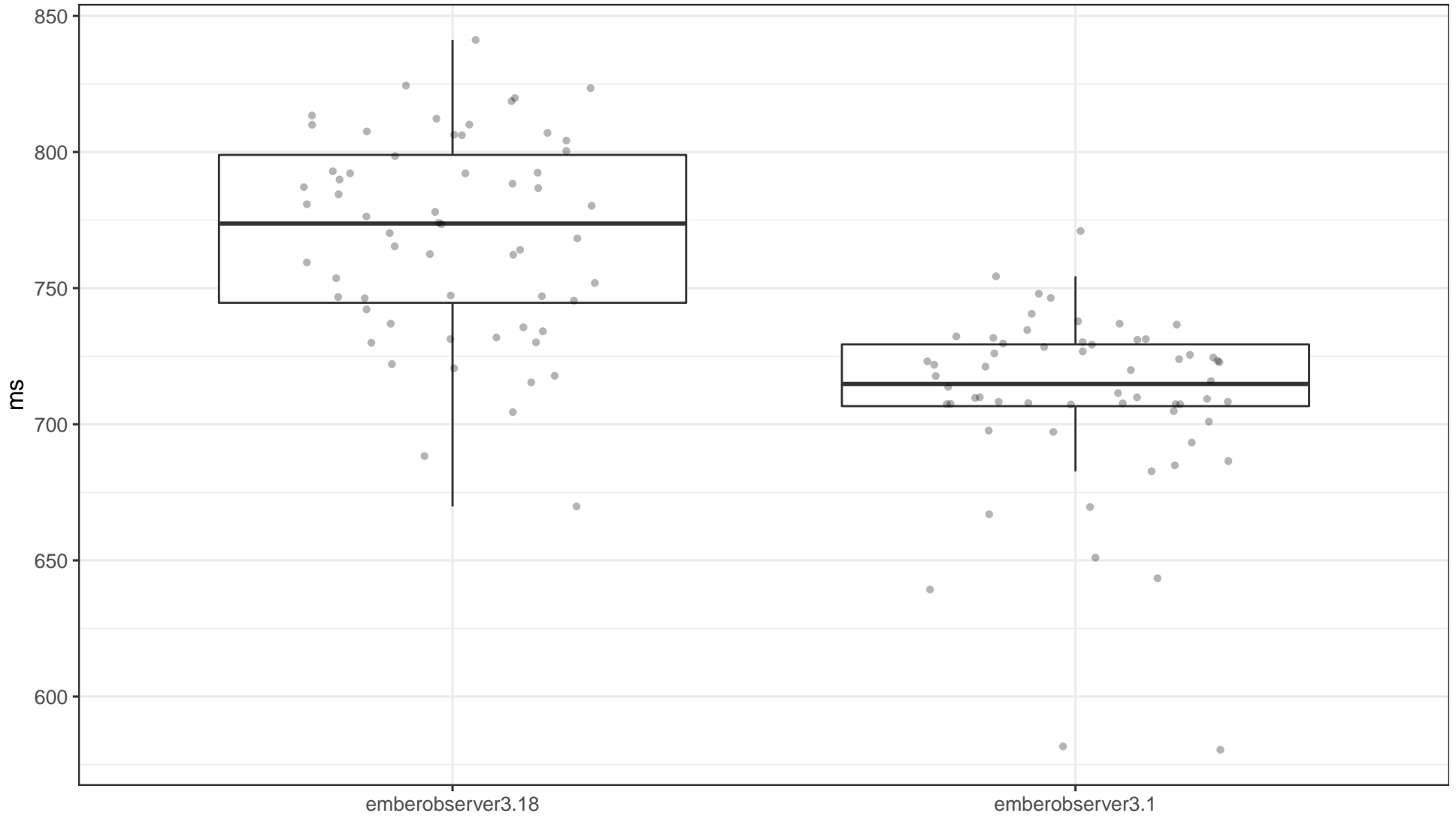


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +74.43ms, with a %95 confidence it is between +61.53ms and +87.06ms.

Test emberobserver3.18 JS Samples Against emberobserver3.1 JS Samples

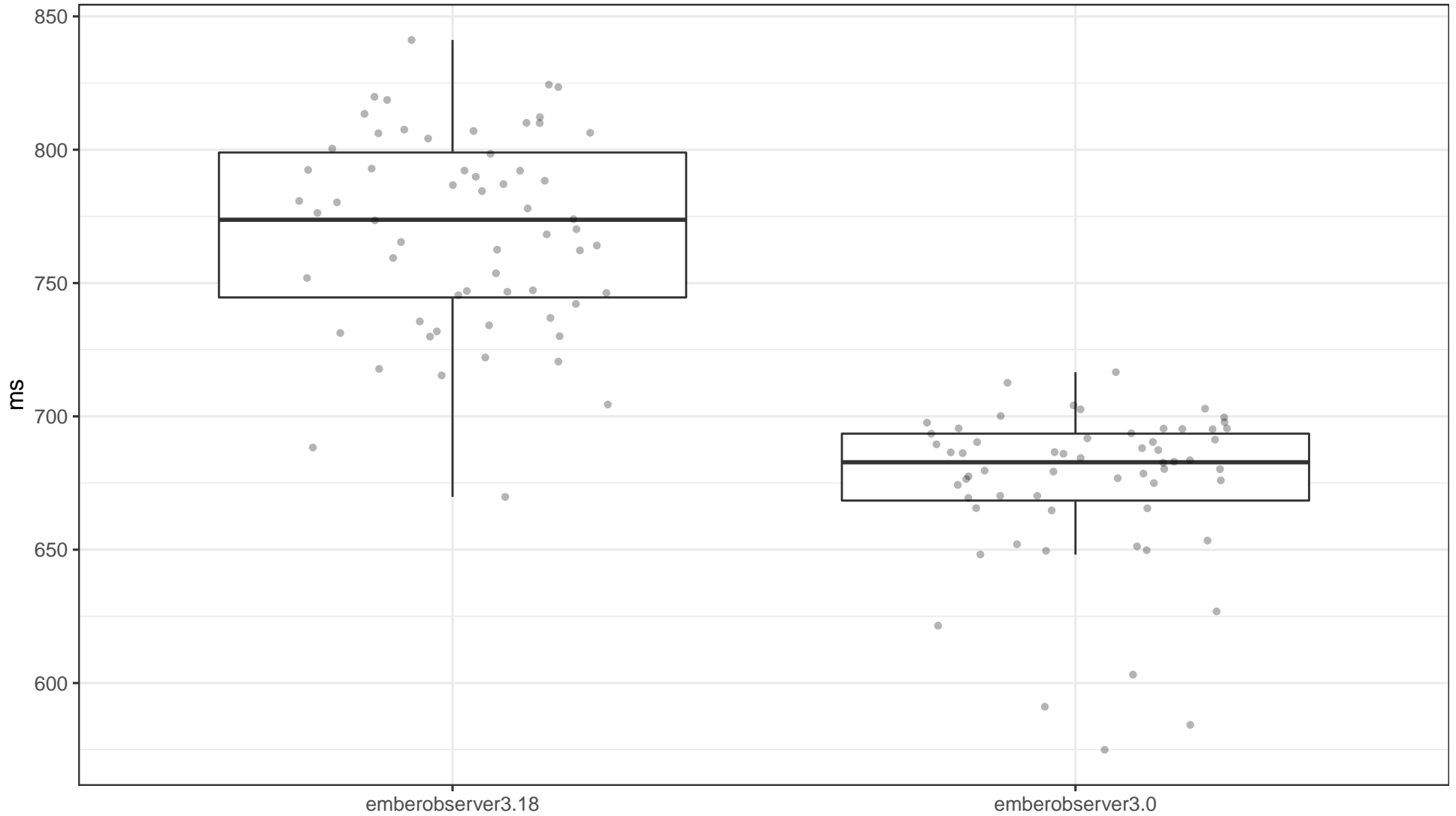


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +59.97ms, with a %95 confidence it is between +46.26ms and +72.00ms.

Test emberobserver3.18 JS Samples Against emberobserver3.0 JS Samples

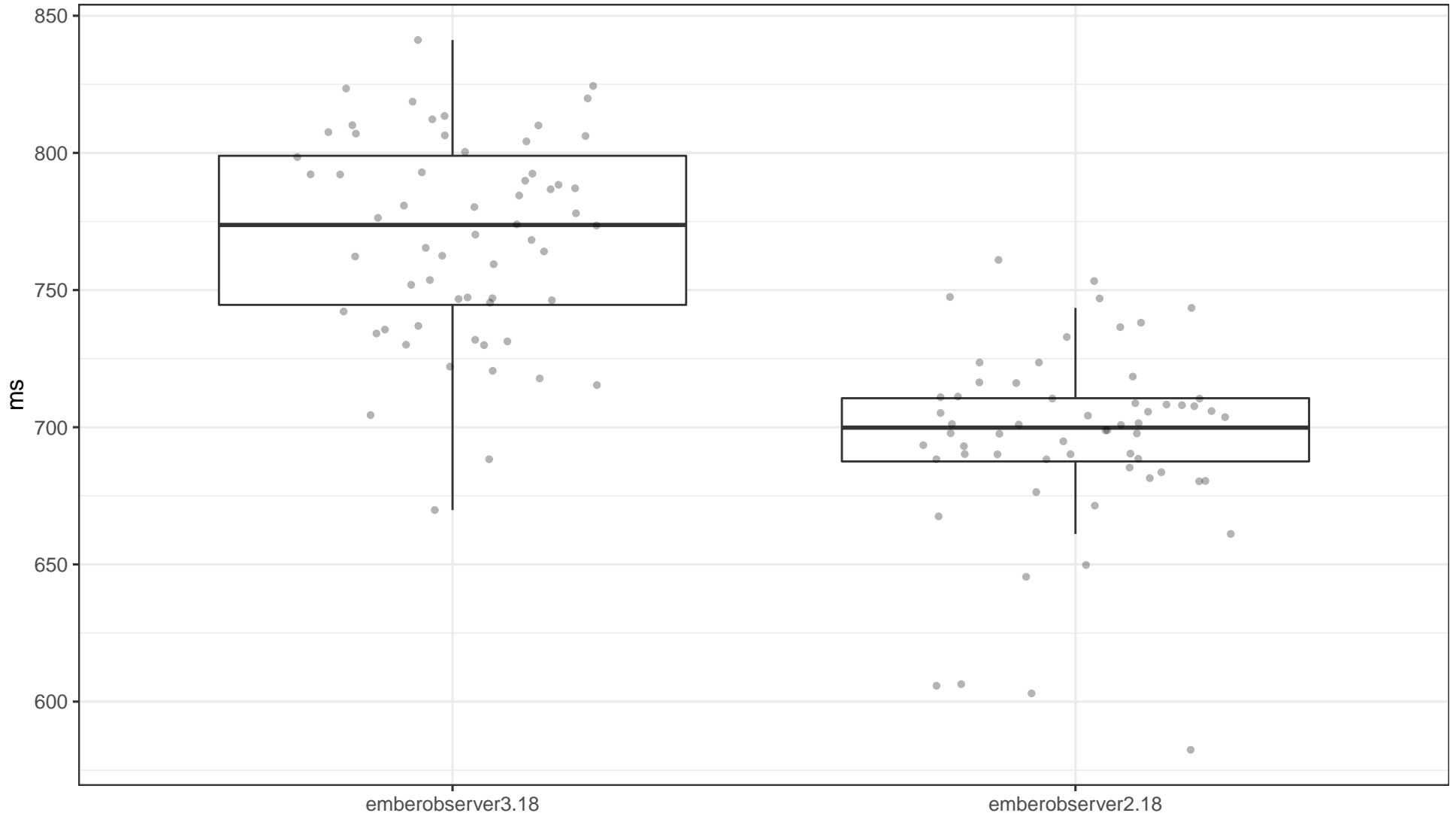


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +95.08ms, with a %95 confidence it is between +82.42ms and +107.39ms.

Test emberobserver3.18 JS Samples Against emberobserver2.18 JS Samples

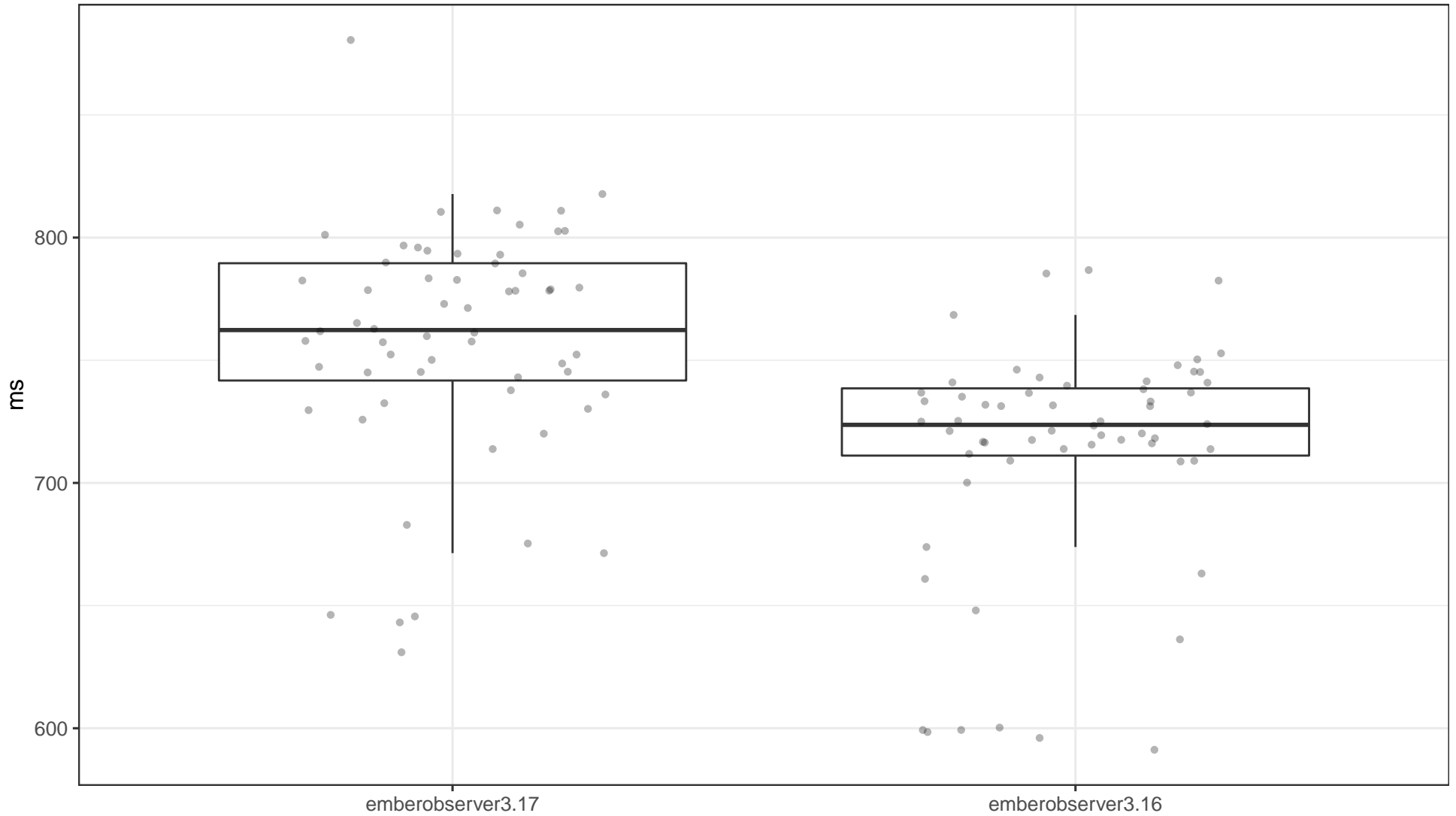


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +73.65ms, with a %95 confidence it is between +59.85ms and +86.48ms.

Test emberobserver3.17 JS Samples Against emberobserver3.16 JS Samples

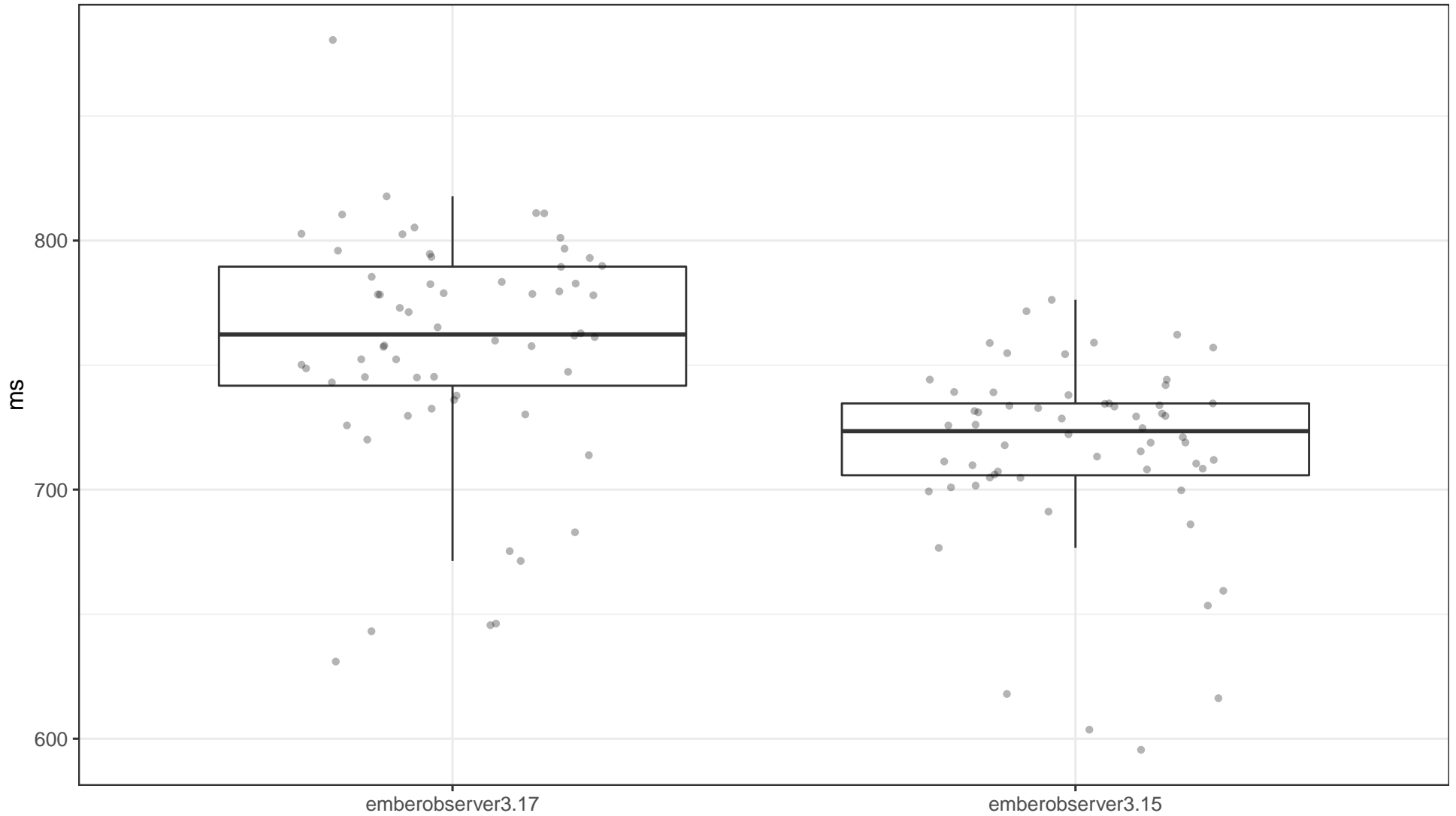


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +43.25ms, with a %95 confidence it is between +30.34ms and +56.77ms.

Test emberobserver3.17 JS Samples Against emberobserver3.15 JS Samples

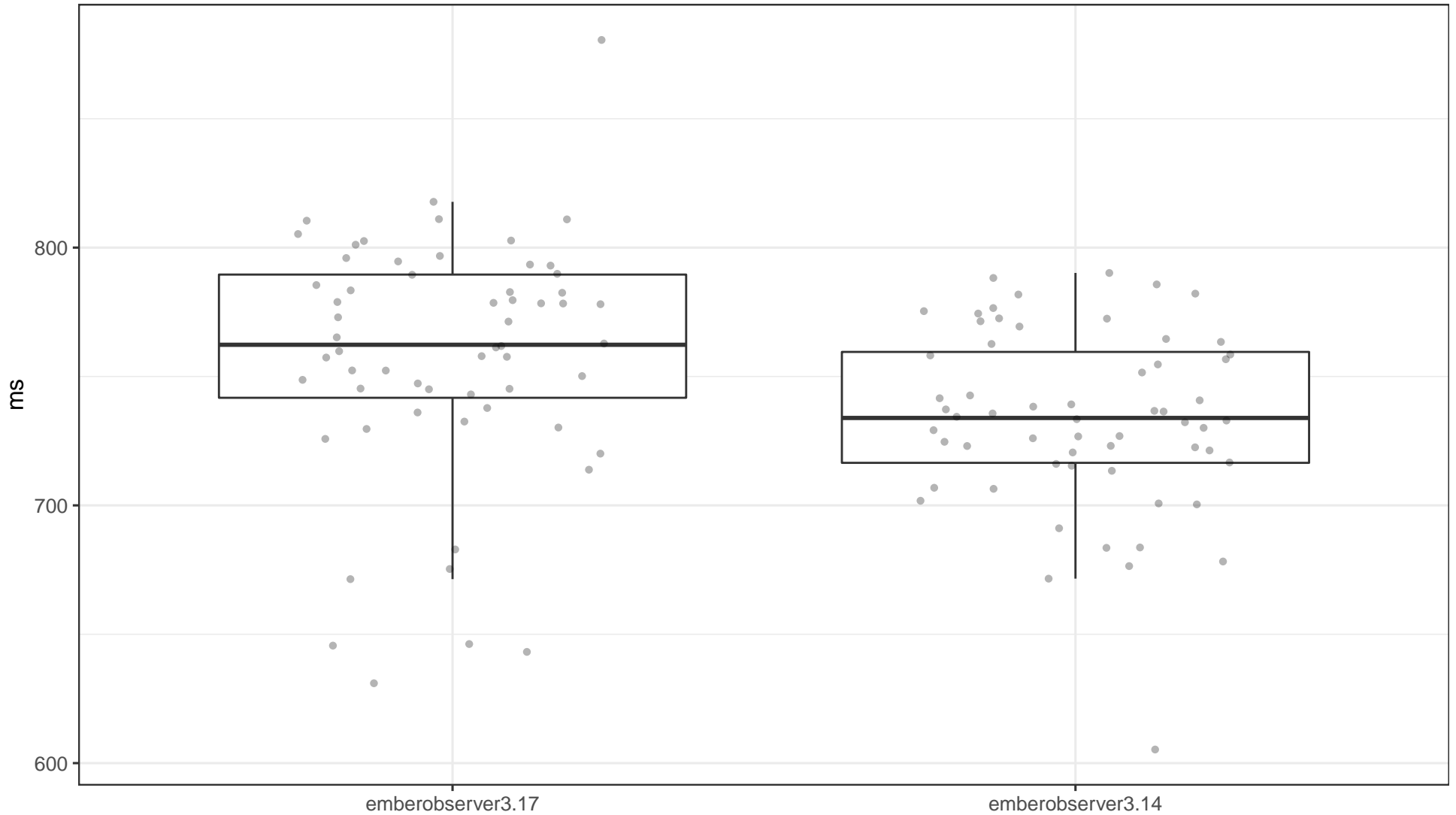


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +44.09ms, with a %95 confidence it is between +31.08ms and +55.74ms.

Test emberobserver3.17 JS Samples Against emberobserver3.14 JS Samples

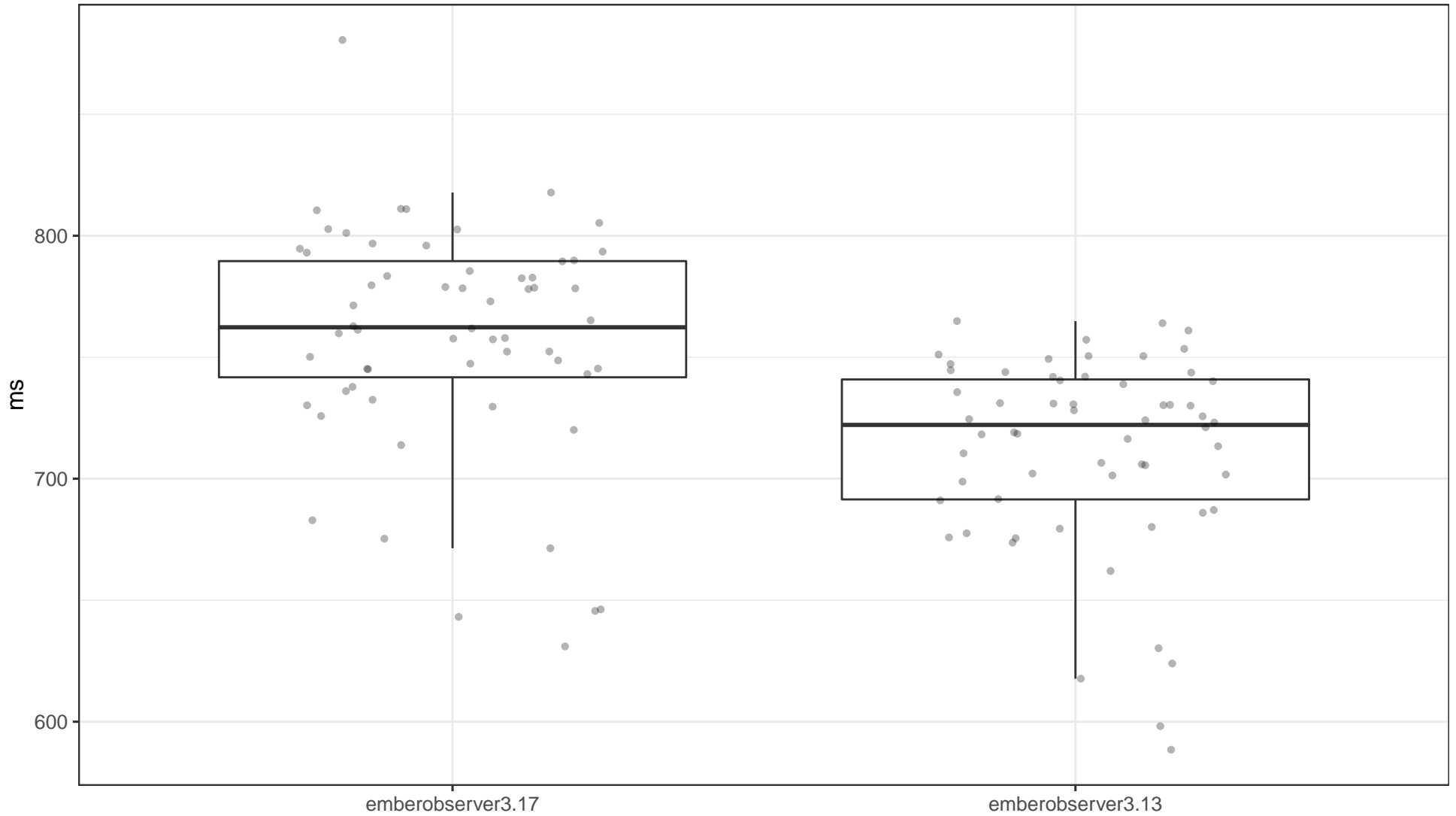


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.01 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +27.34ms, with a %95 confidence it is between +14.88ms and +41.20ms.

Test emberobserver3.17 JS Samples Against emberobserver3.13 JS Samples

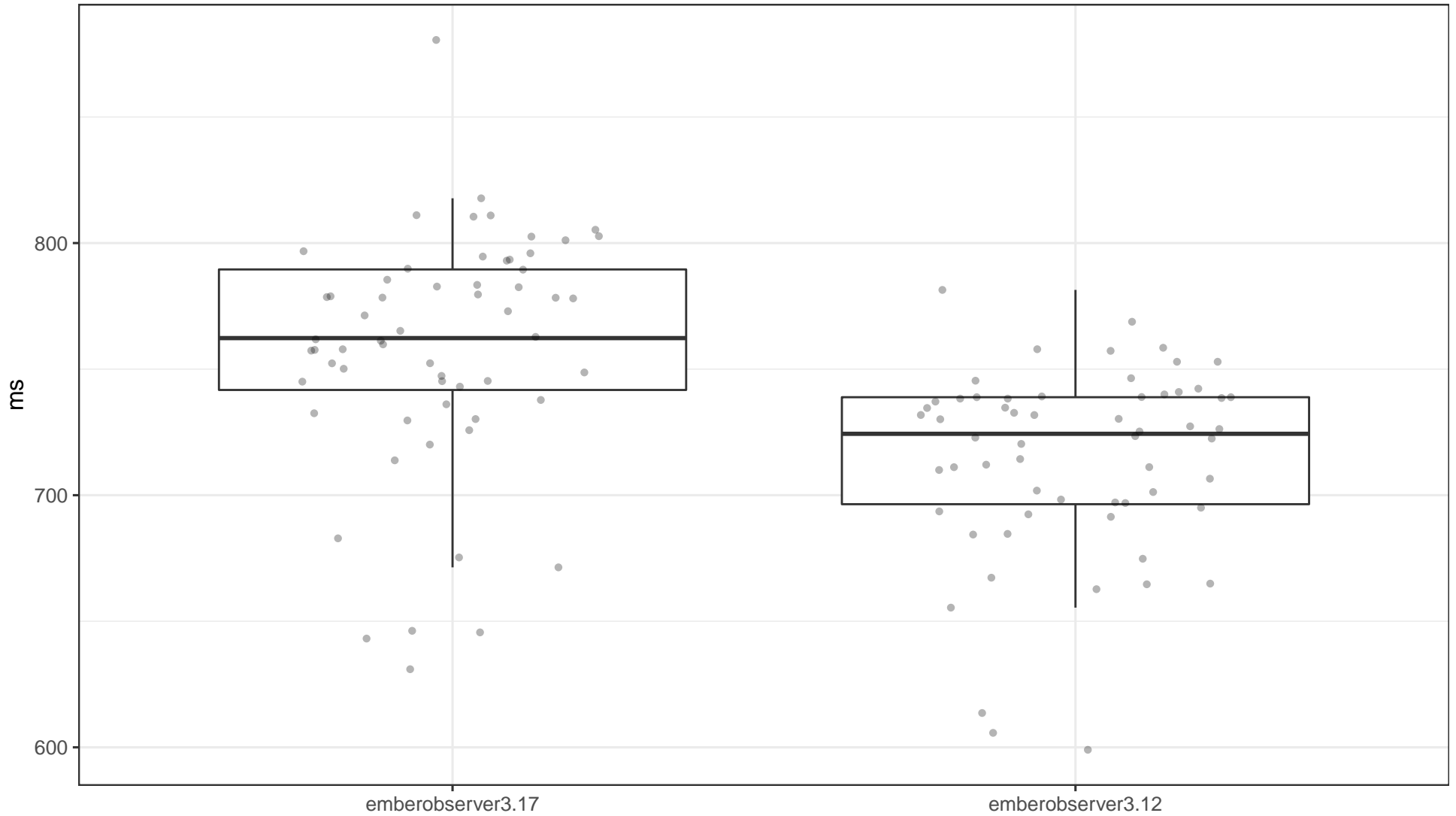


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +47.23ms, with a %95 confidence it is between +33.94ms and +59.34ms.

Test emberobserver3.17 JS Samples Against emberobserver3.12 JS Samples

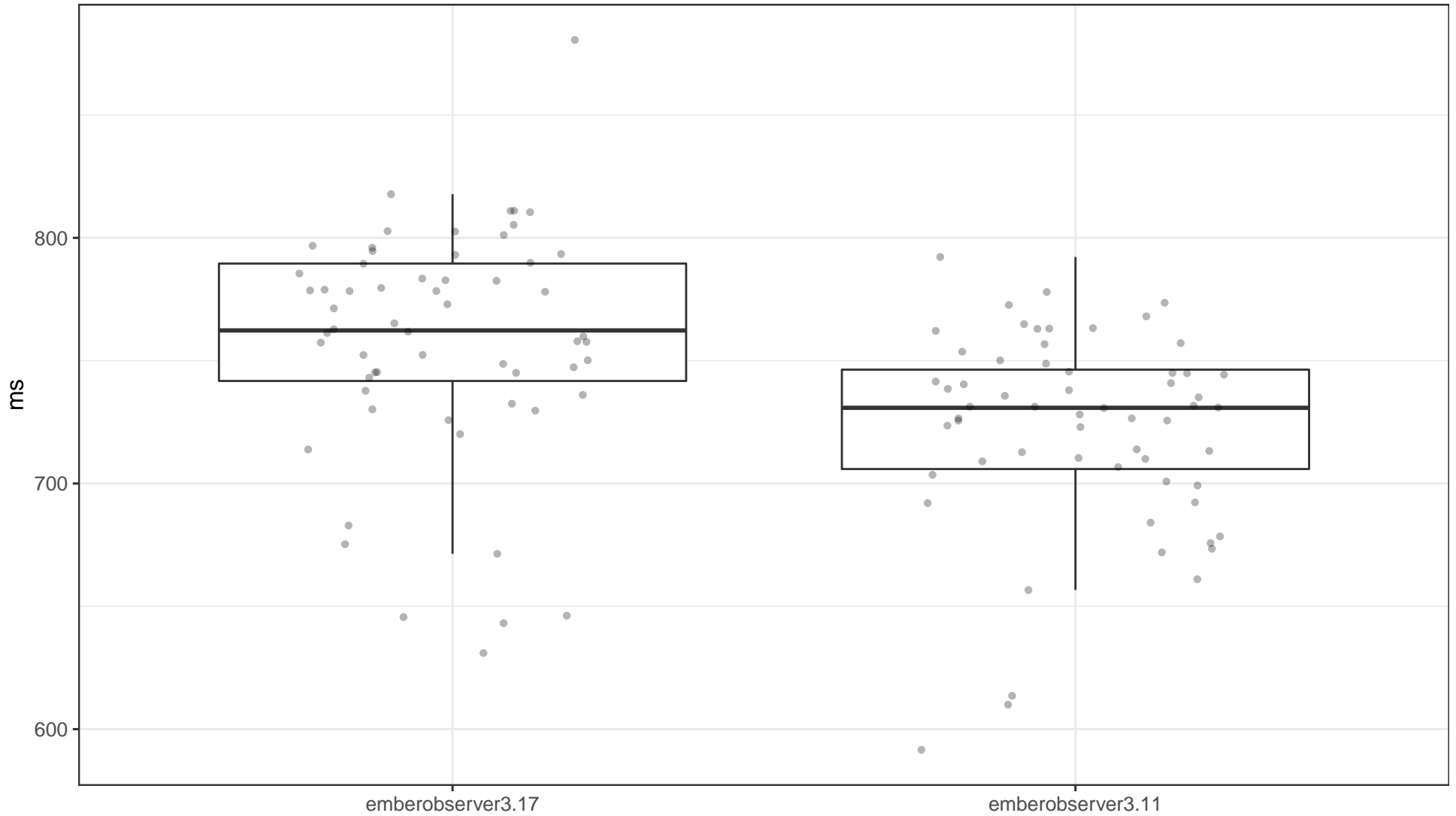


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +45.80ms, with a %95 confidence it is between +32.67ms and +57.97ms.

Test emberobserver3.17 JS Samples Against emberobserver3.11 JS Samples

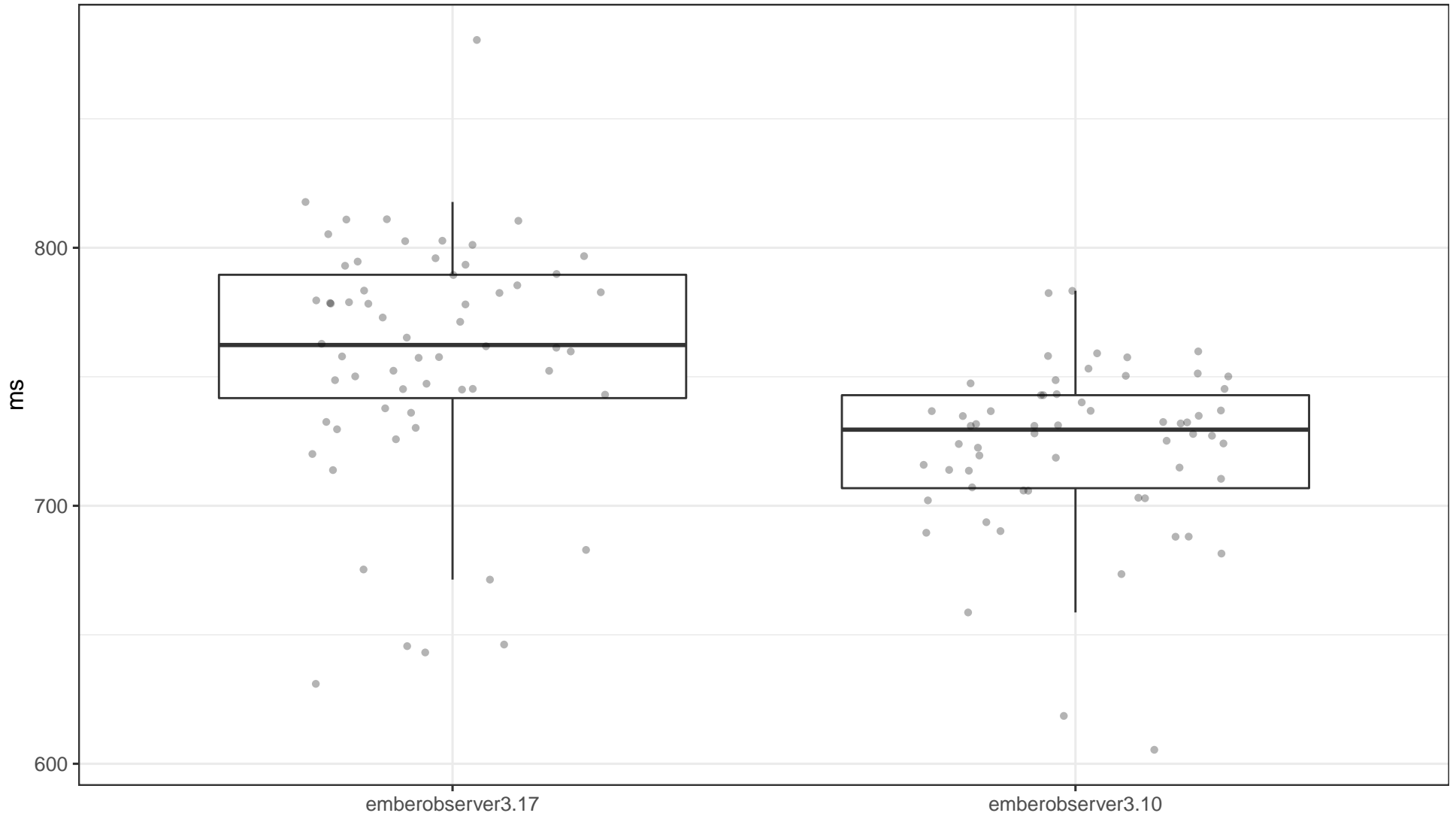


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +37.00ms, with a %95 confidence it is between +22.74ms and +50.41ms.

Test emberobserver3.17 JS Samples Against emberobserver3.10 JS Samples

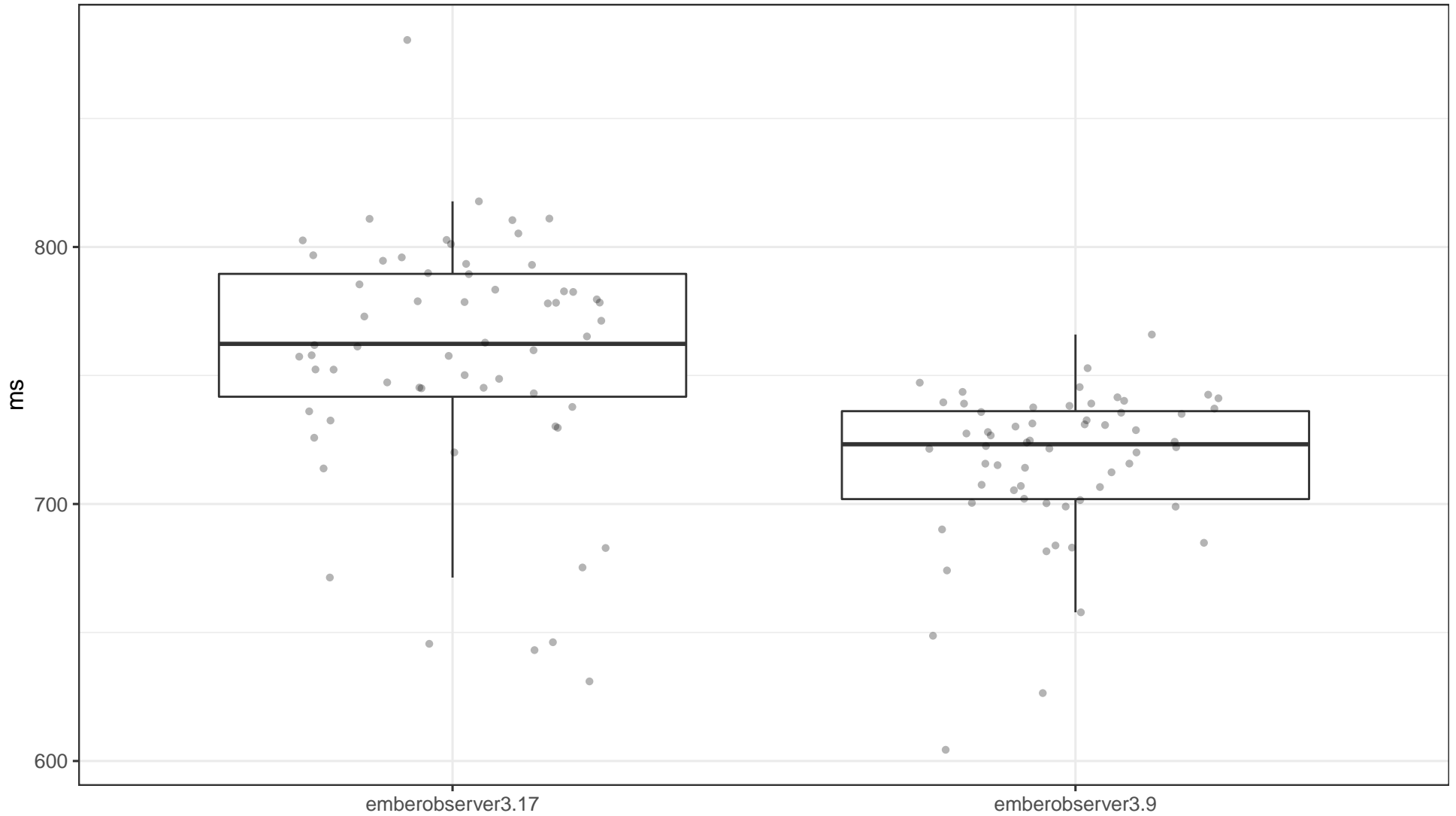


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +39.46ms, with a %95 confidence it is between +26.66ms and +51.11ms.

Test emberobserver3.17 JS Samples Against emberobserver3.9 JS Samples

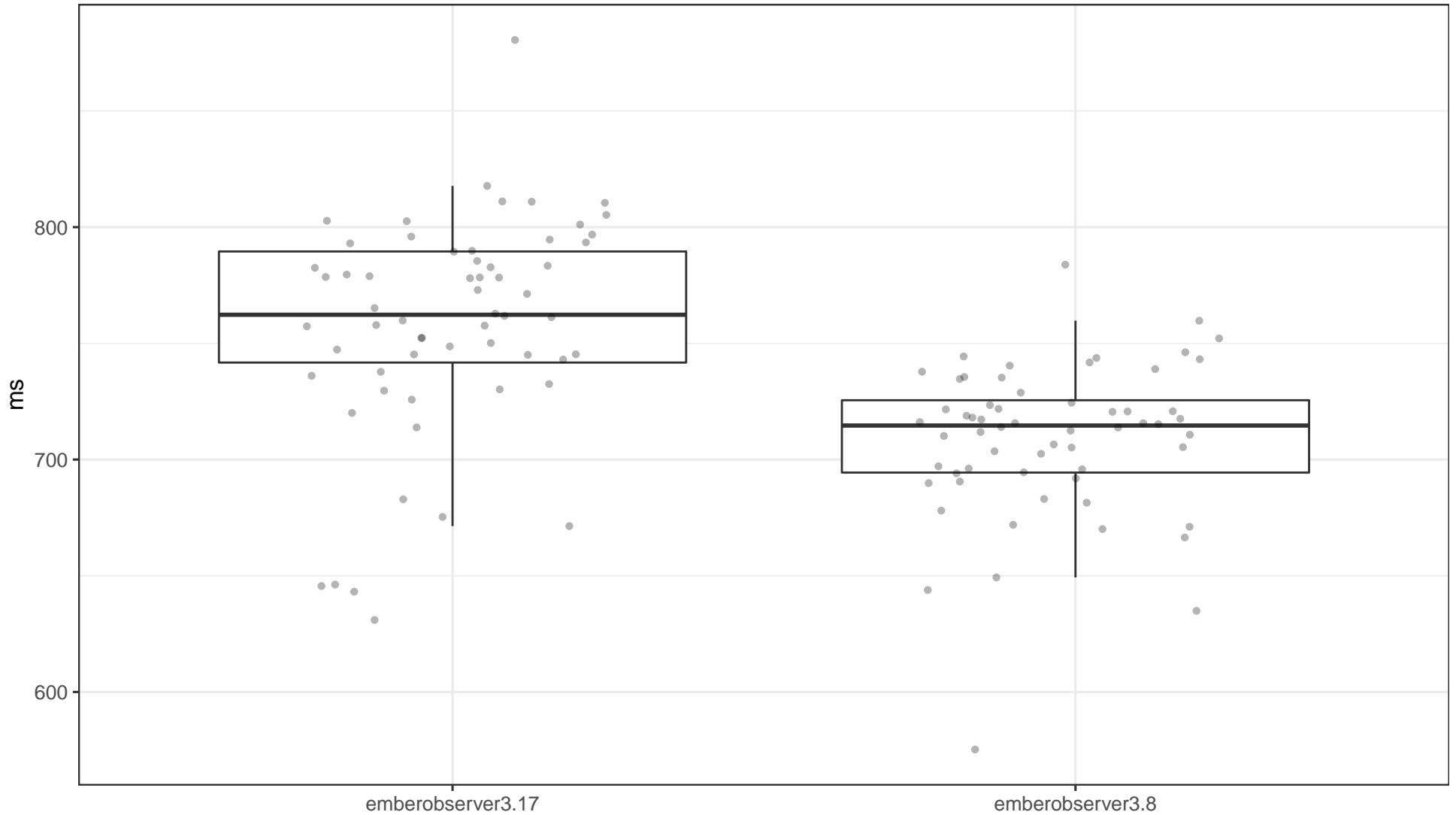


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +46.02ms, with a %95 confidence it is between +34.19ms and +57.24ms.

Test emberobserver3.17 JS Samples Against emberobserver3.8 JS Samples

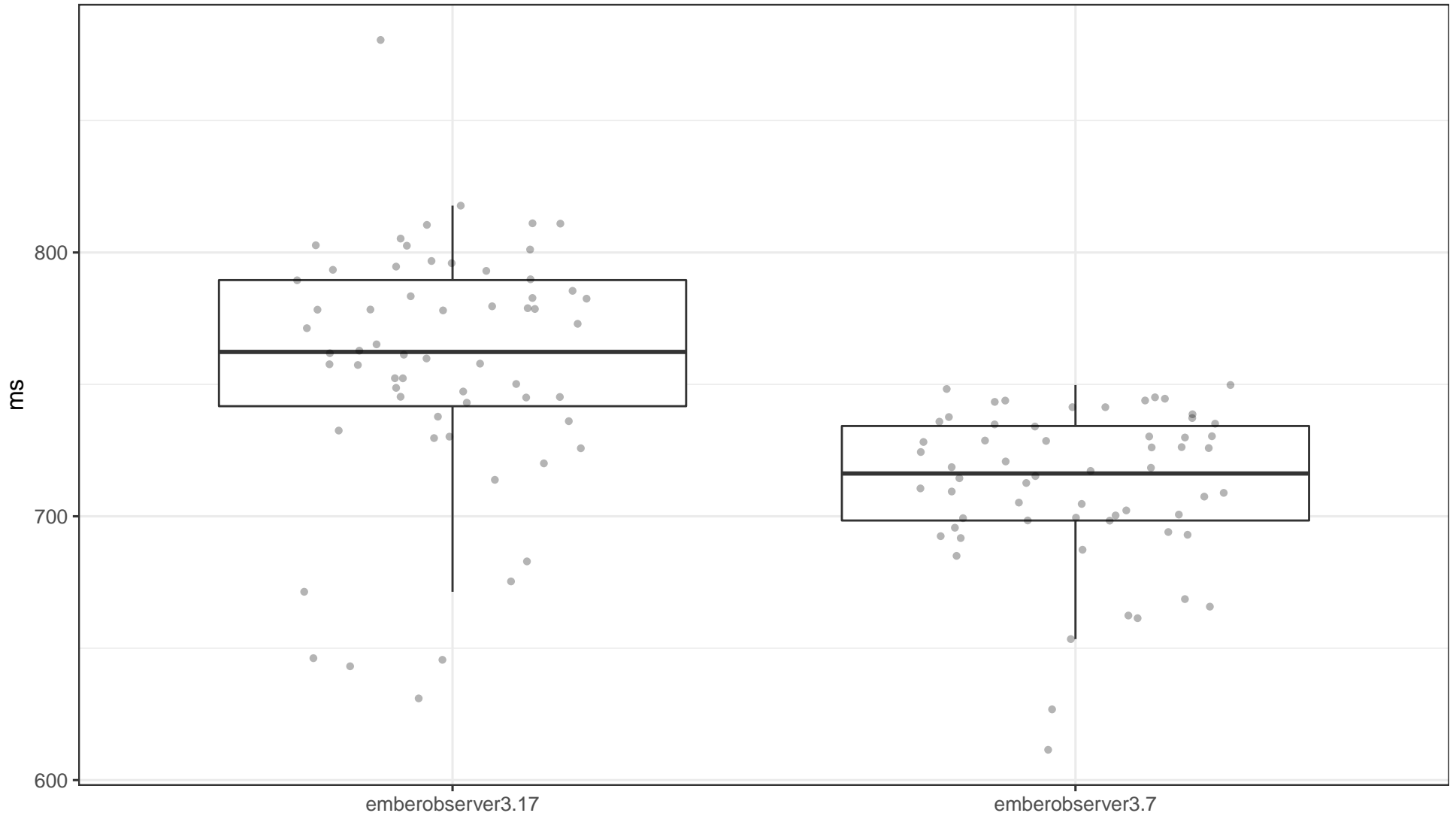


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +53.33ms, with a %95 confidence it is between +40.35ms and +65.26ms.

Test emberobserver3.17 JS Samples Against emberobserver3.7 JS Samples

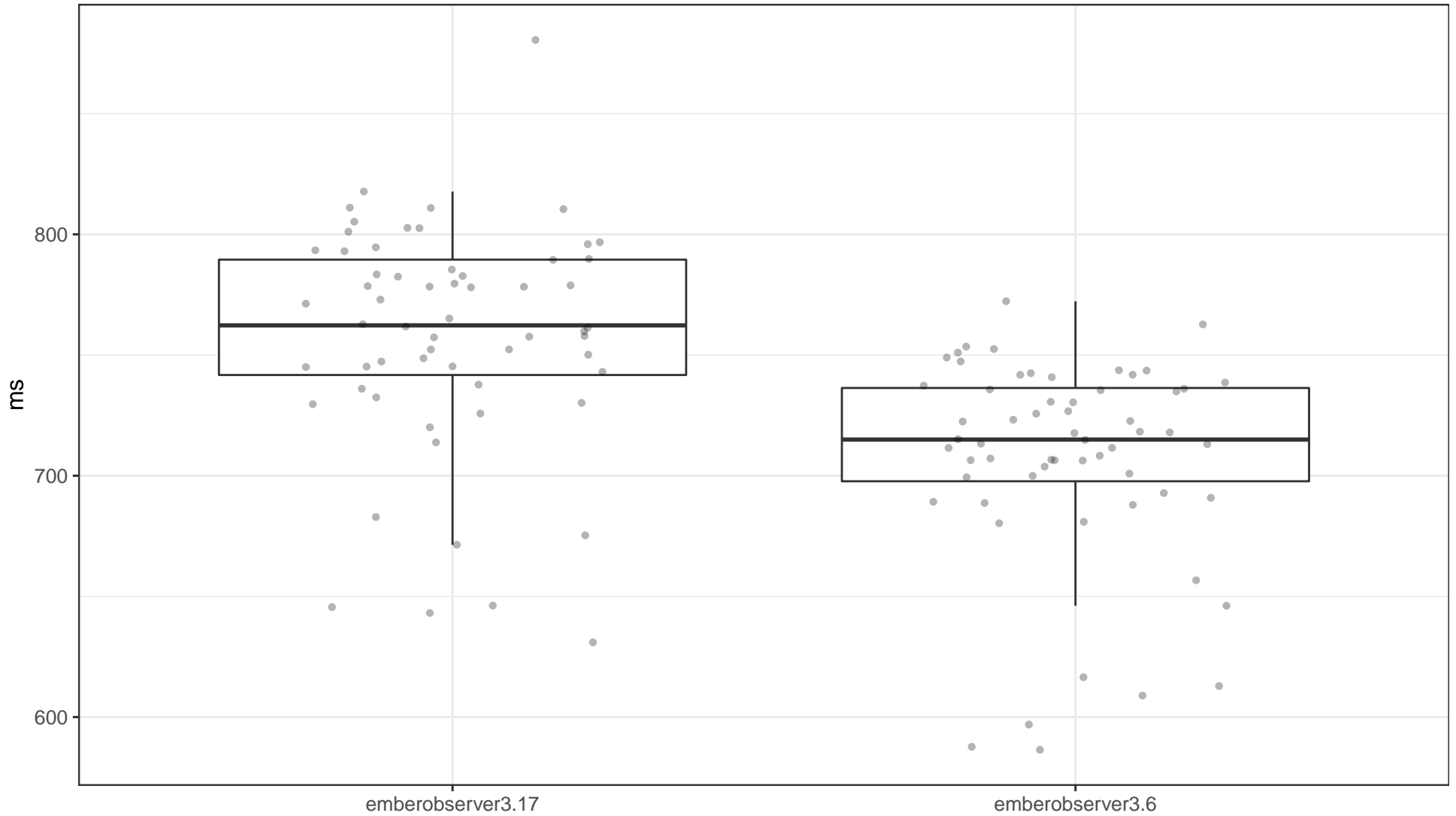


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +50.43ms, with a %95 confidence it is between +38.31ms and +61.51ms.

Test emberobserver3.17 JS Samples Against emberobserver3.6 JS Samples

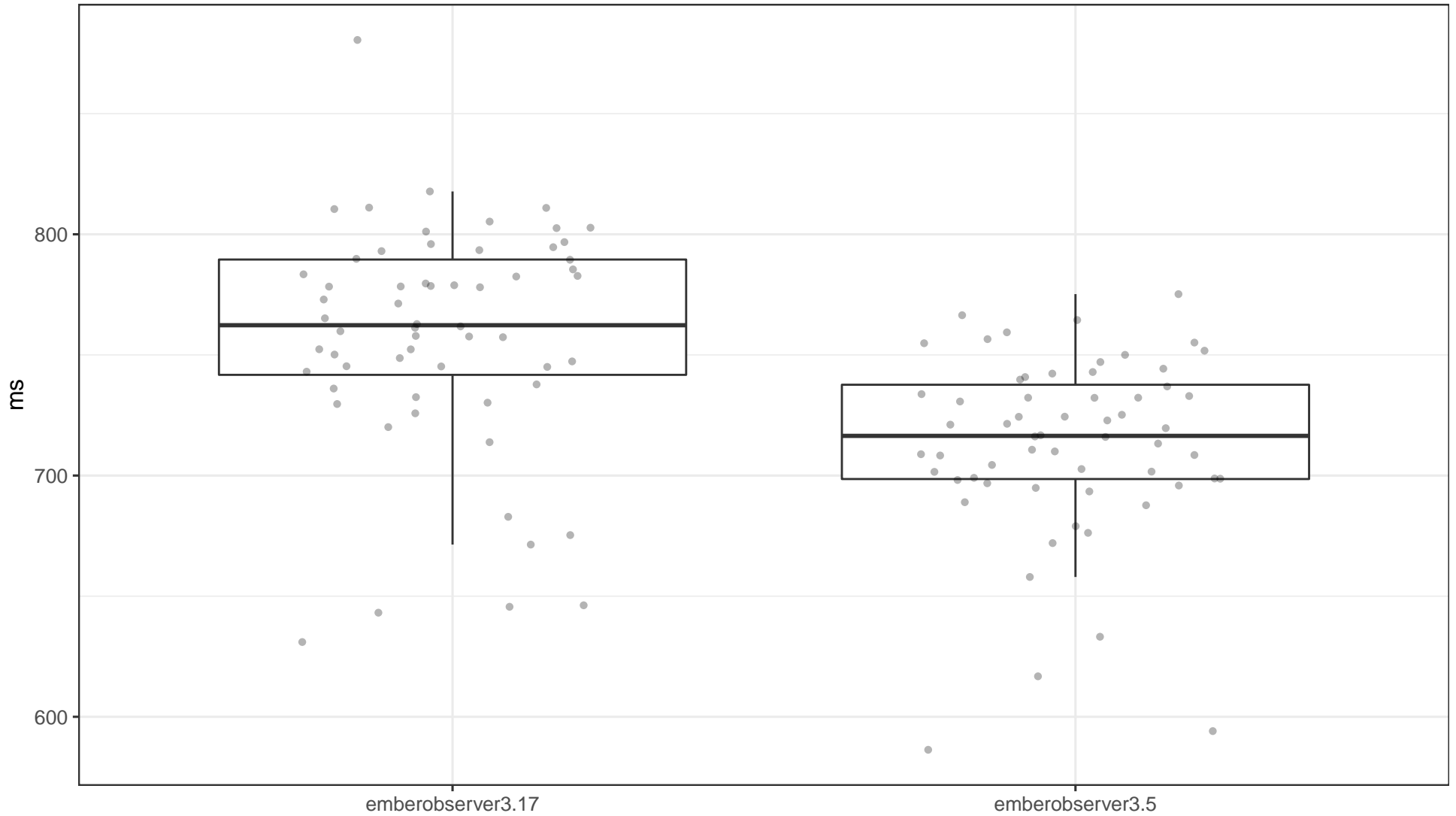


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +49.55ms, with a %95 confidence it is between +37.32ms and +62.43ms.

Test emberobserver3.17 JS Samples Against emberobserver3.5 JS Samples

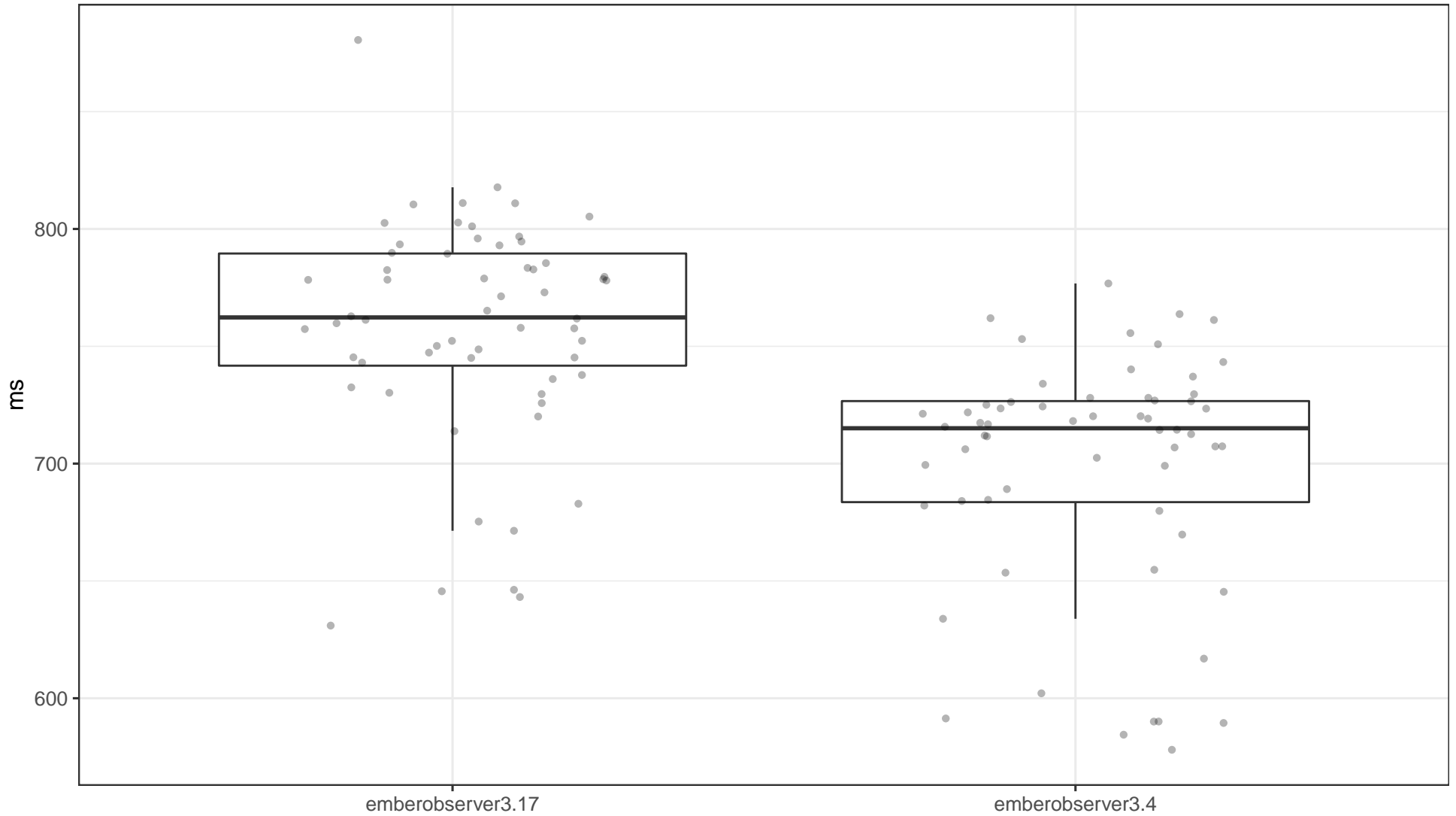


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +47.16ms, with a %95 confidence it is between +34.79ms and +59.31ms.

Test emberobserver3.17 JS Samples Against emberobserver3.4 JS Samples

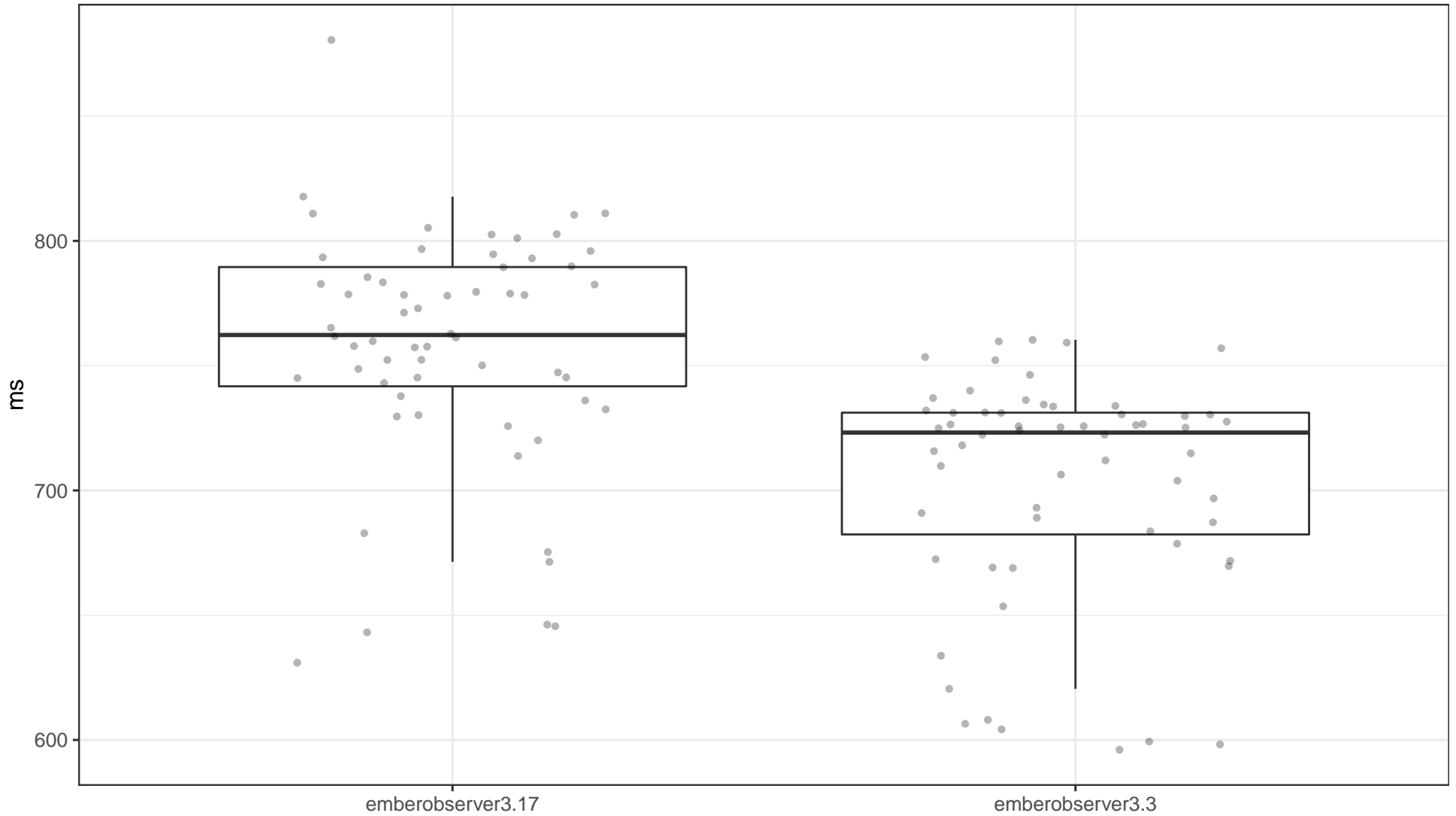


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +55.85ms, with a %95 confidence it is between +41.35ms and +69.74ms.

Test emberobserver3.17 JS Samples Against emberobserver3.3 JS Samples

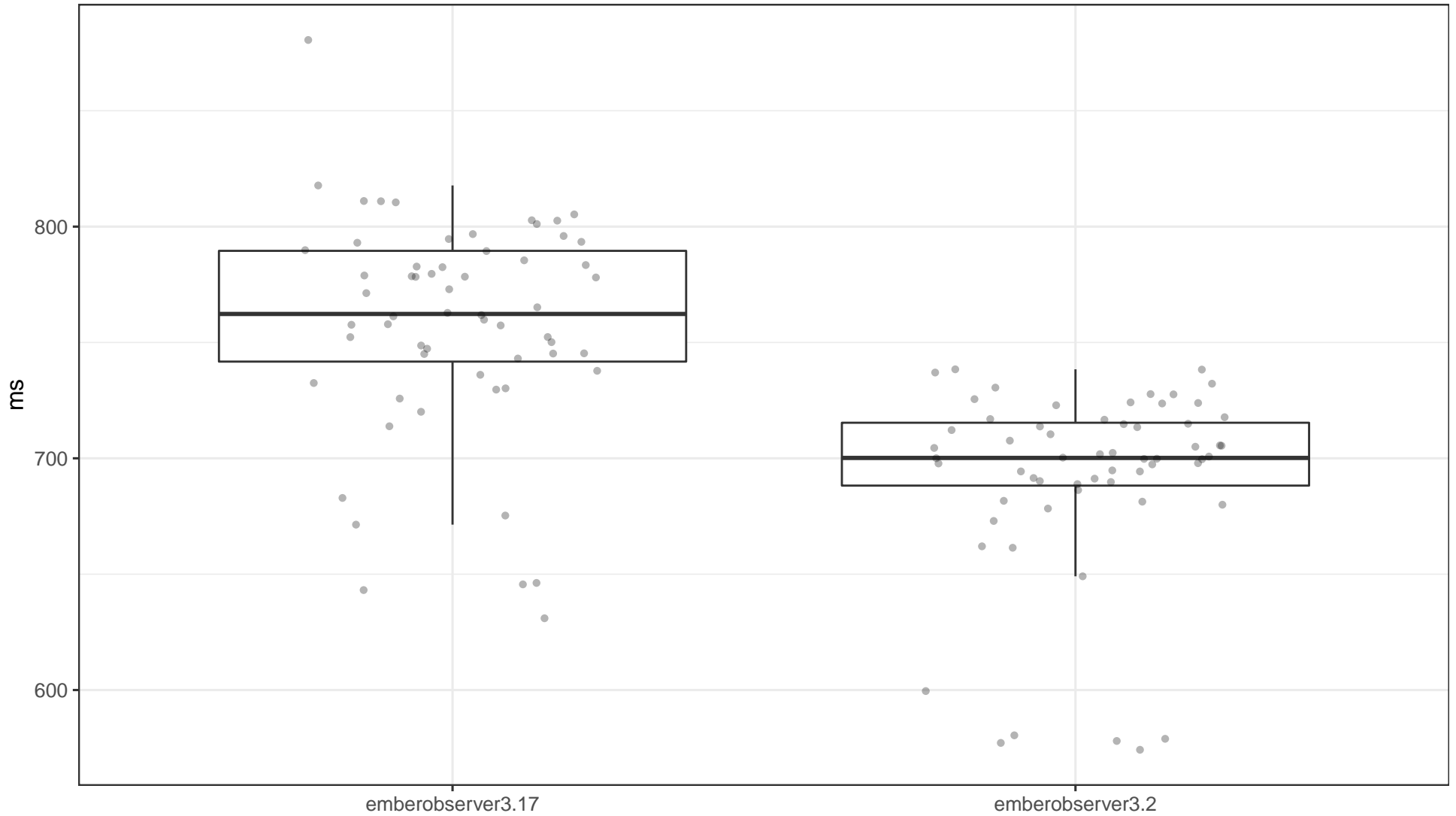


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +52.85ms, with a %95 confidence it is between +39.11ms and +66.34ms.

Test emberobserver3.17 JS Samples Against emberobserver3.2 JS Samples

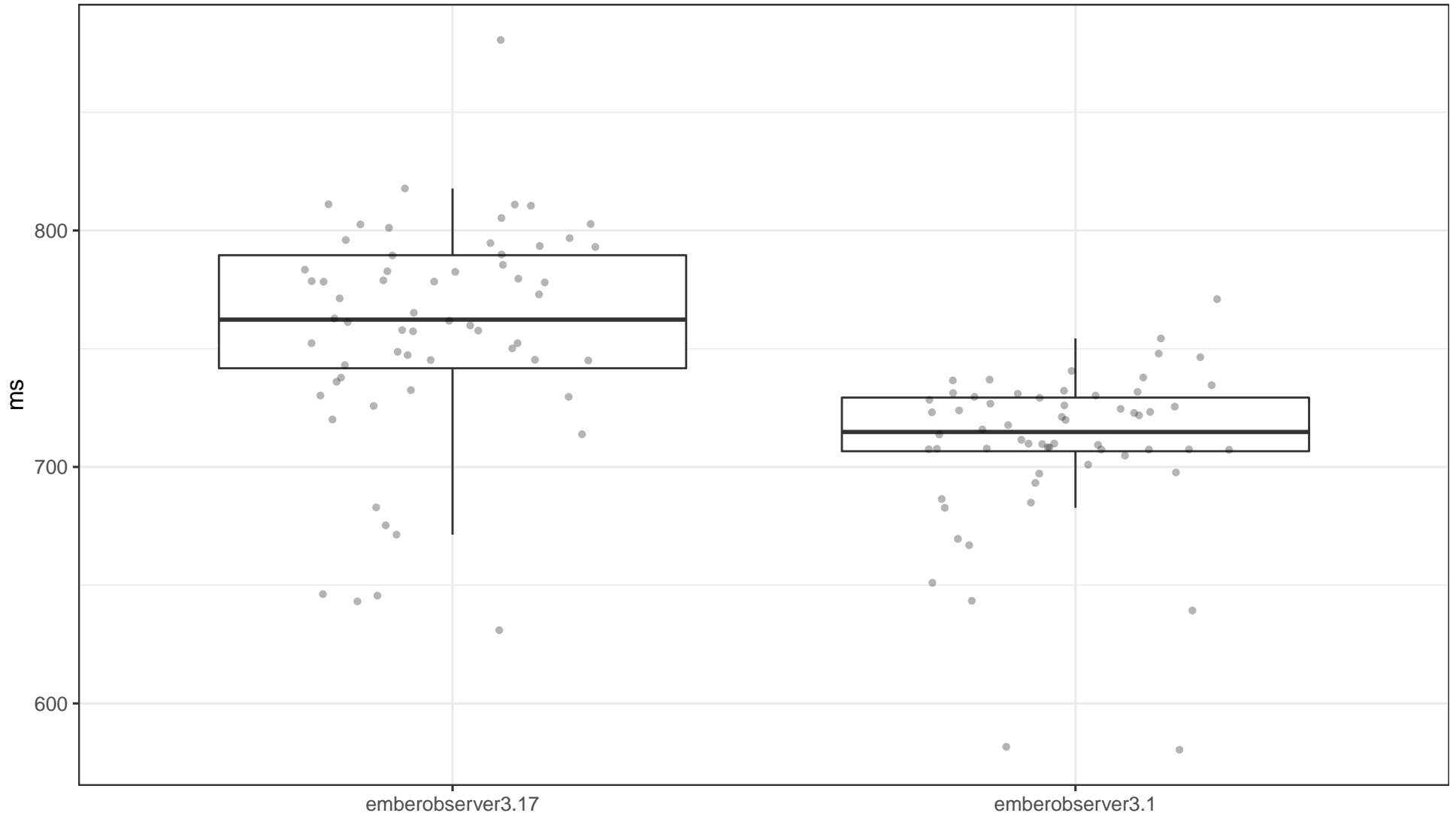


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +65.73ms, with a %95 confidence it is between +54.35ms and +78.26ms.

Test emberobserver3.17 JS Samples Against emberobserver3.1 JS Samples

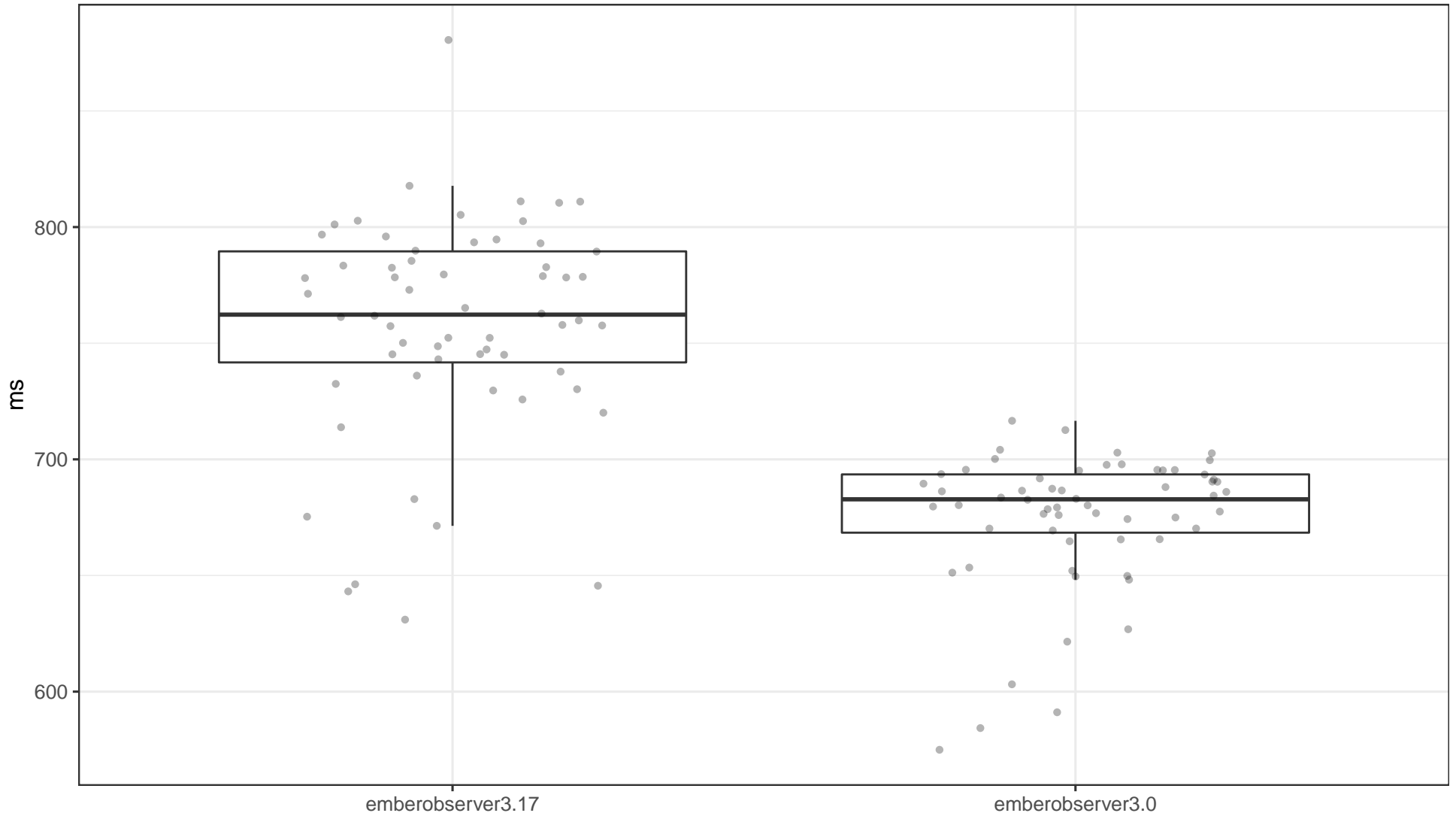


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +51.28ms, with a %95 confidence it is between +39.00ms and +63.23ms.

Test emberobserver3.17 JS Samples Against emberobserver3.0 JS Samples

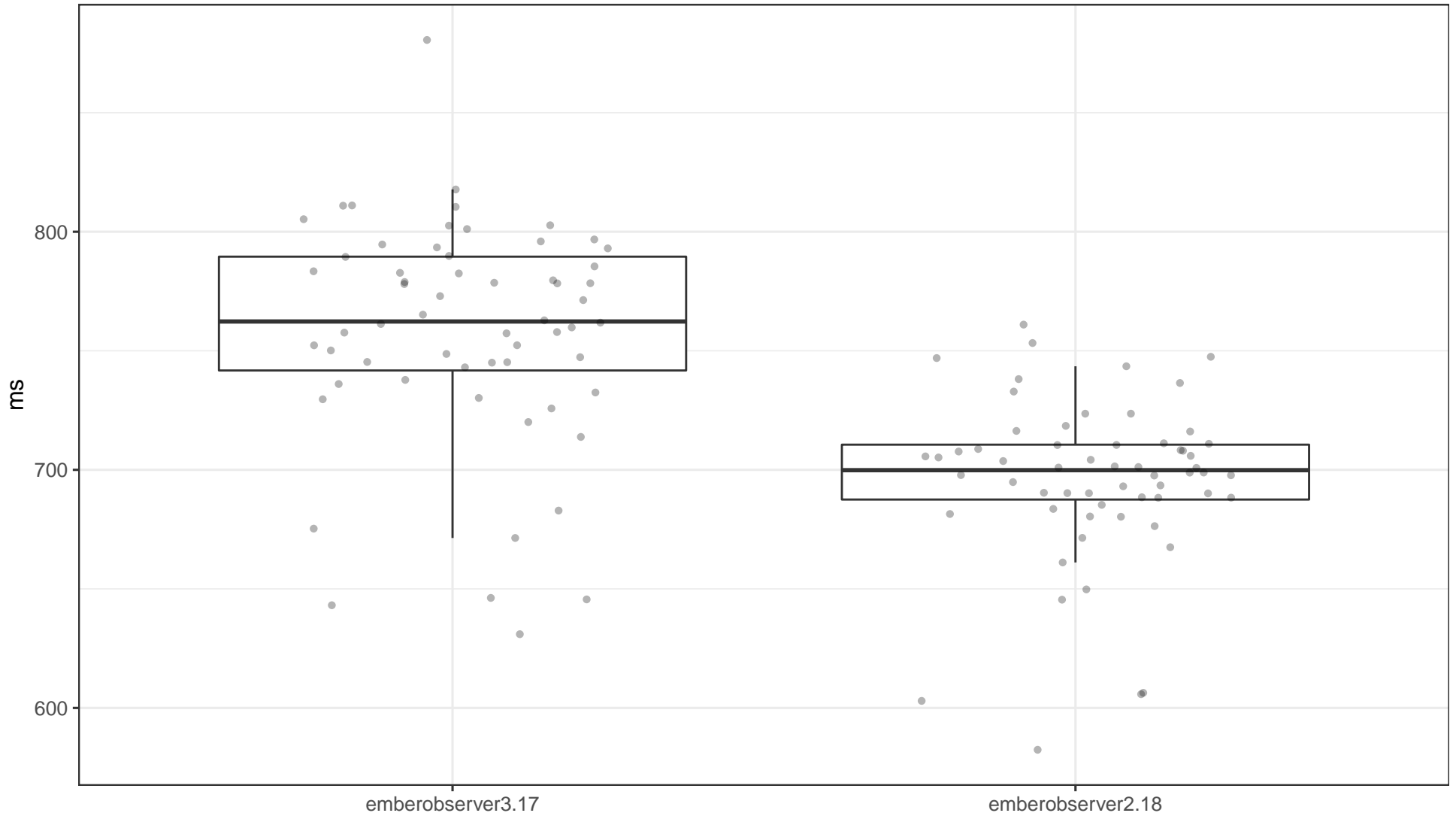


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +86.78ms, with a %95 confidence it is between +74.81ms and +98.12ms.

Test emberobserver3.17 JS Samples Against emberobserver2.18 JS Samples

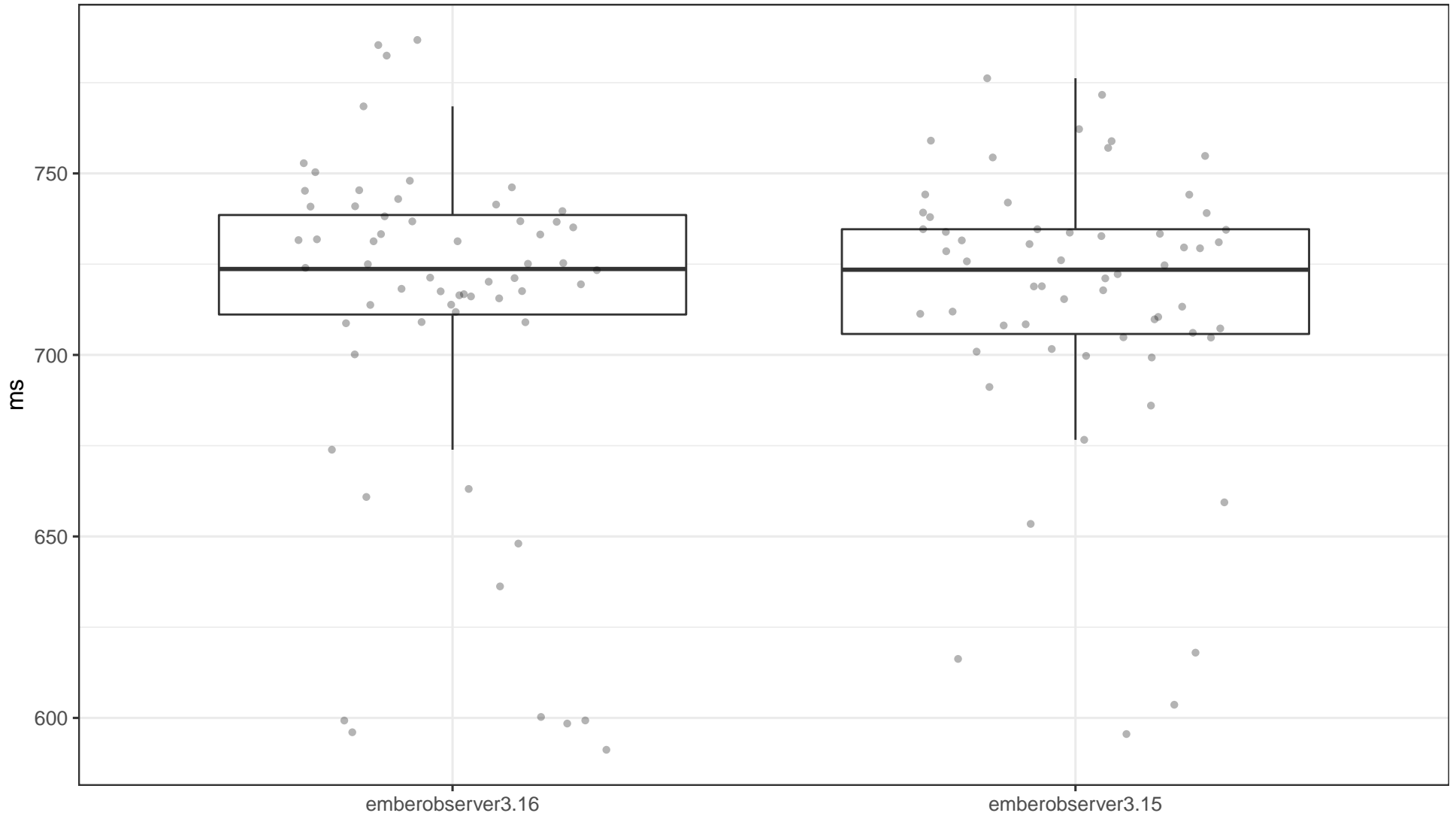


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +65.00ms, with a %95 confidence it is between +52.59ms and +77.54ms.

Test emberobserver3.16 JS Samples Against emberobserver3.15 JS Samples

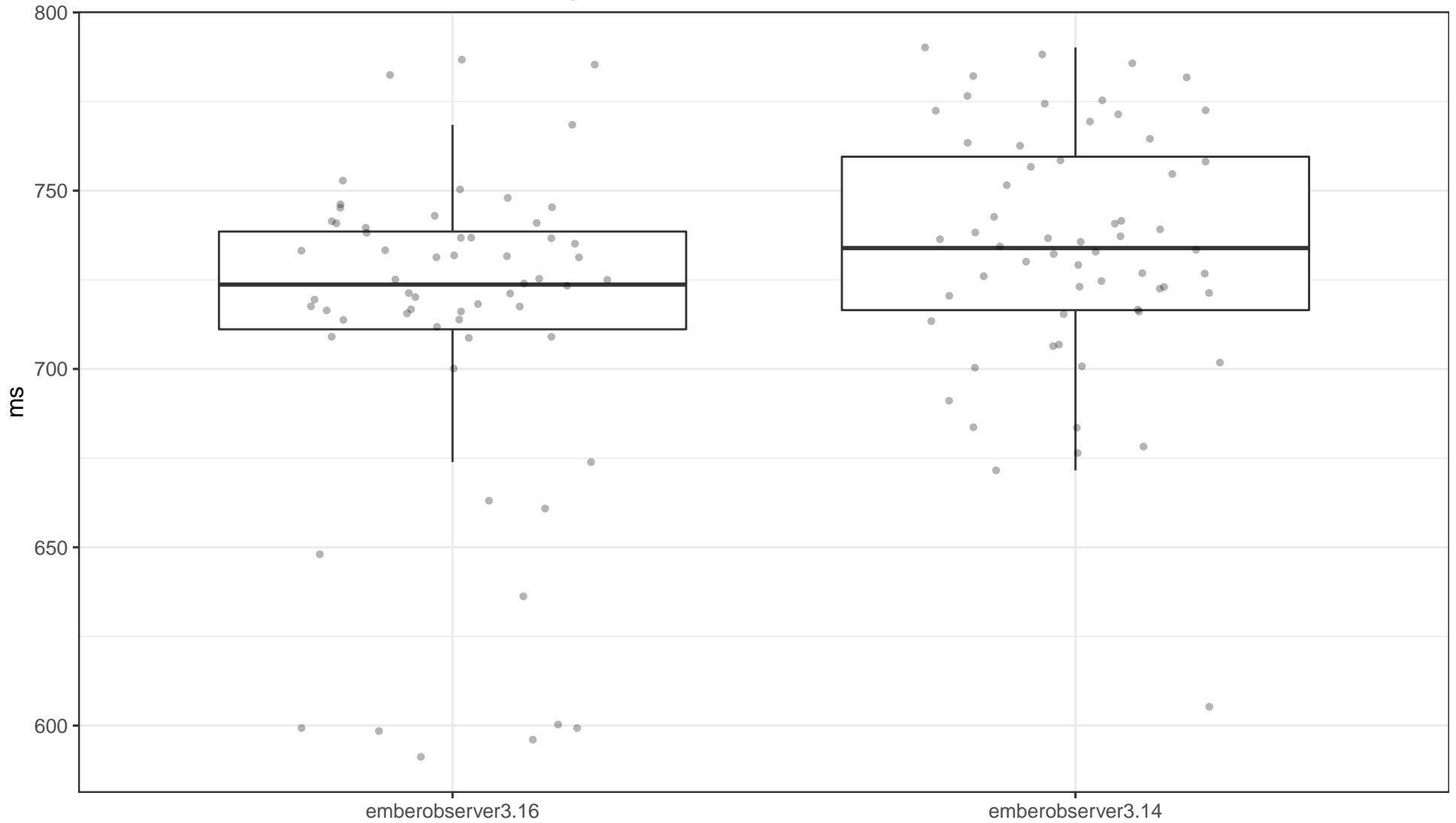


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %70.36 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +1.96ms, with a %95 confidence it is between -9.03ms and +10.75ms.

Test emberobserver3.16 JS Samples Against emberobserver3.14 JS Samples

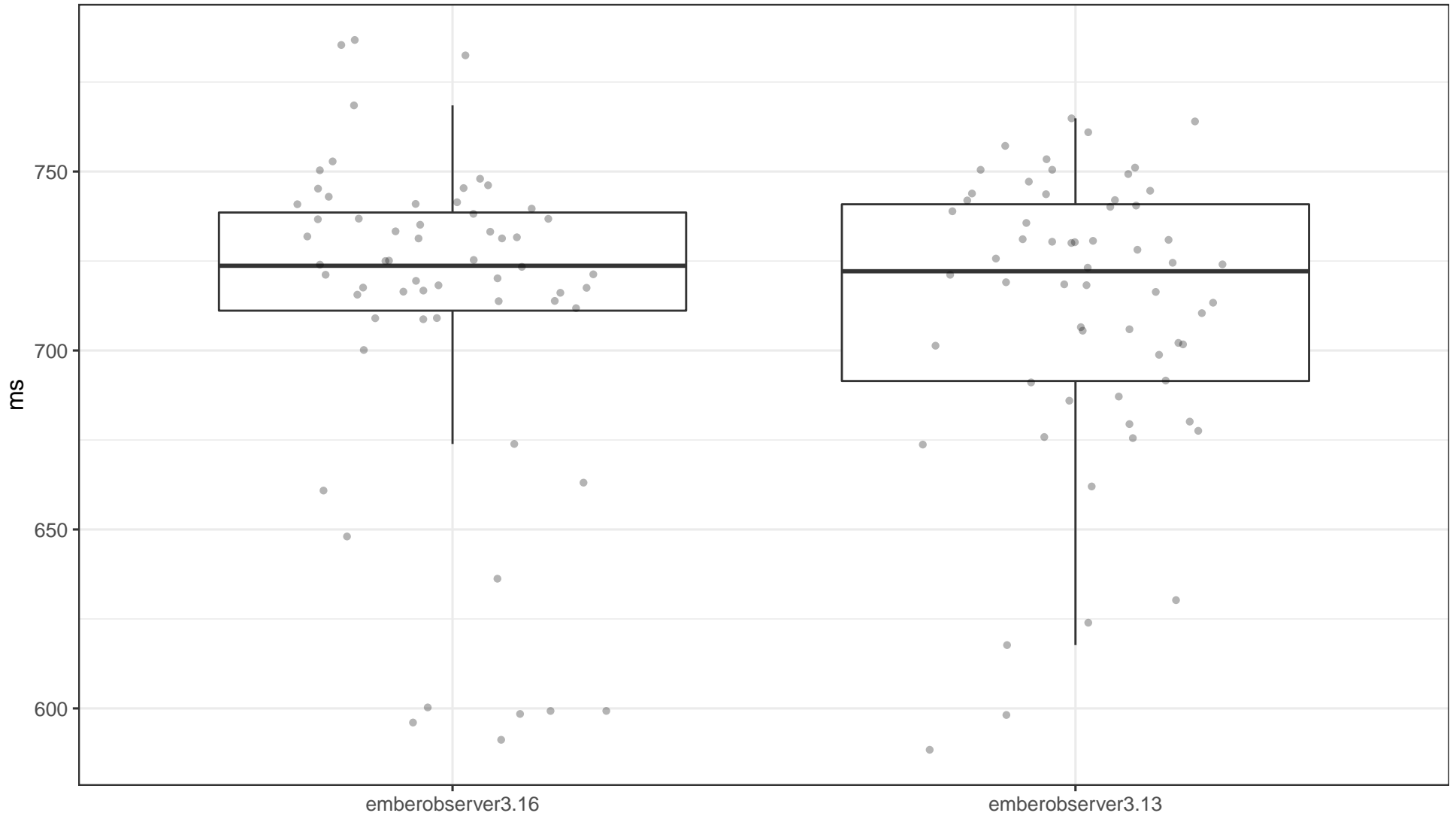


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %1.94 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -13.51ms , with a %95 confidence it is between -26.21ms and -2.03ms .

Test emberobserver3.16 JS Samples Against emberobserver3.13 JS Samples

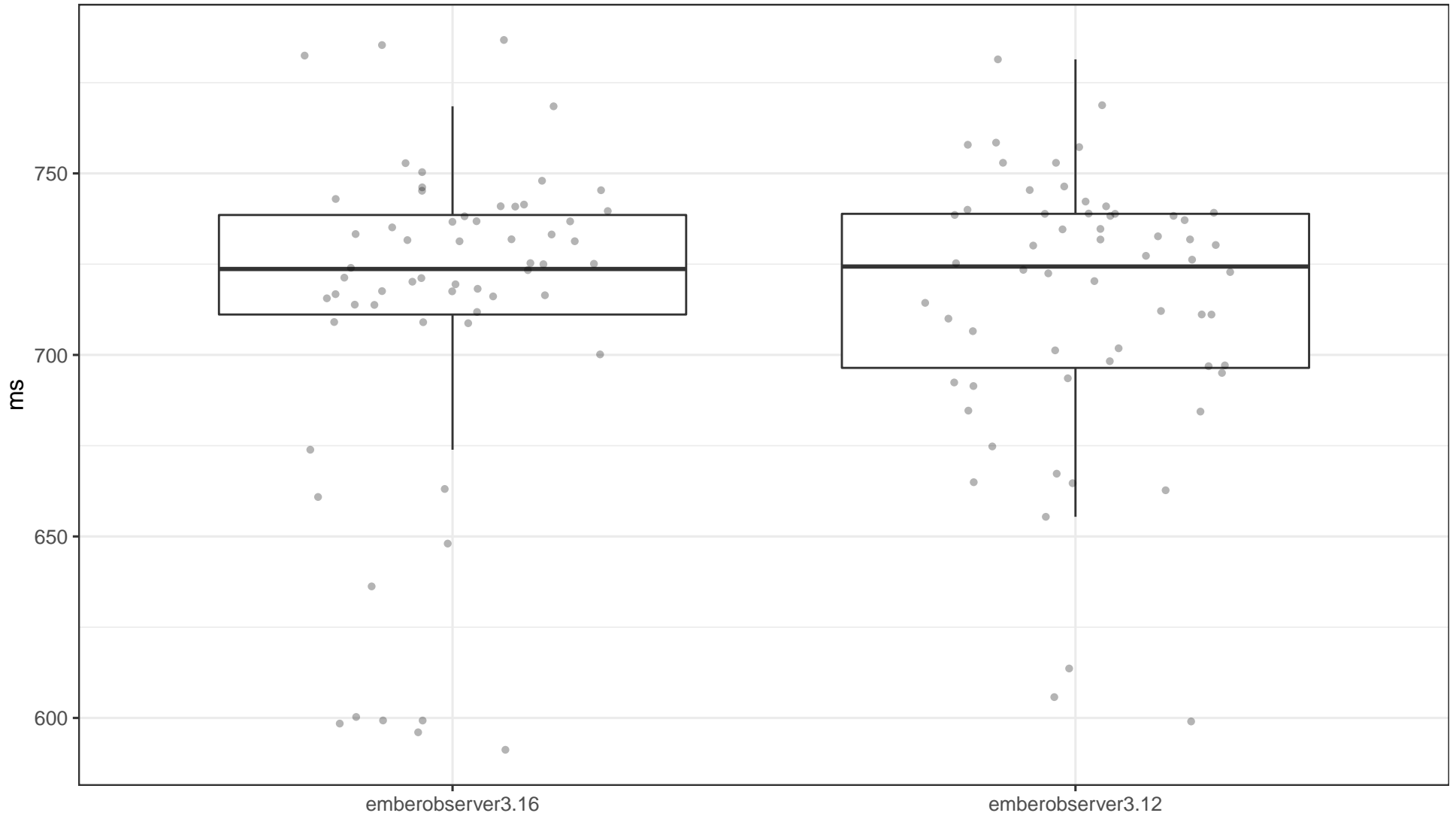


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %65.74 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +2.20ms, with a %95 confidence it is between -8.81ms and +14.67ms.

Test emberobserver3.16 JS Samples Against emberobserver3.12 JS Samples

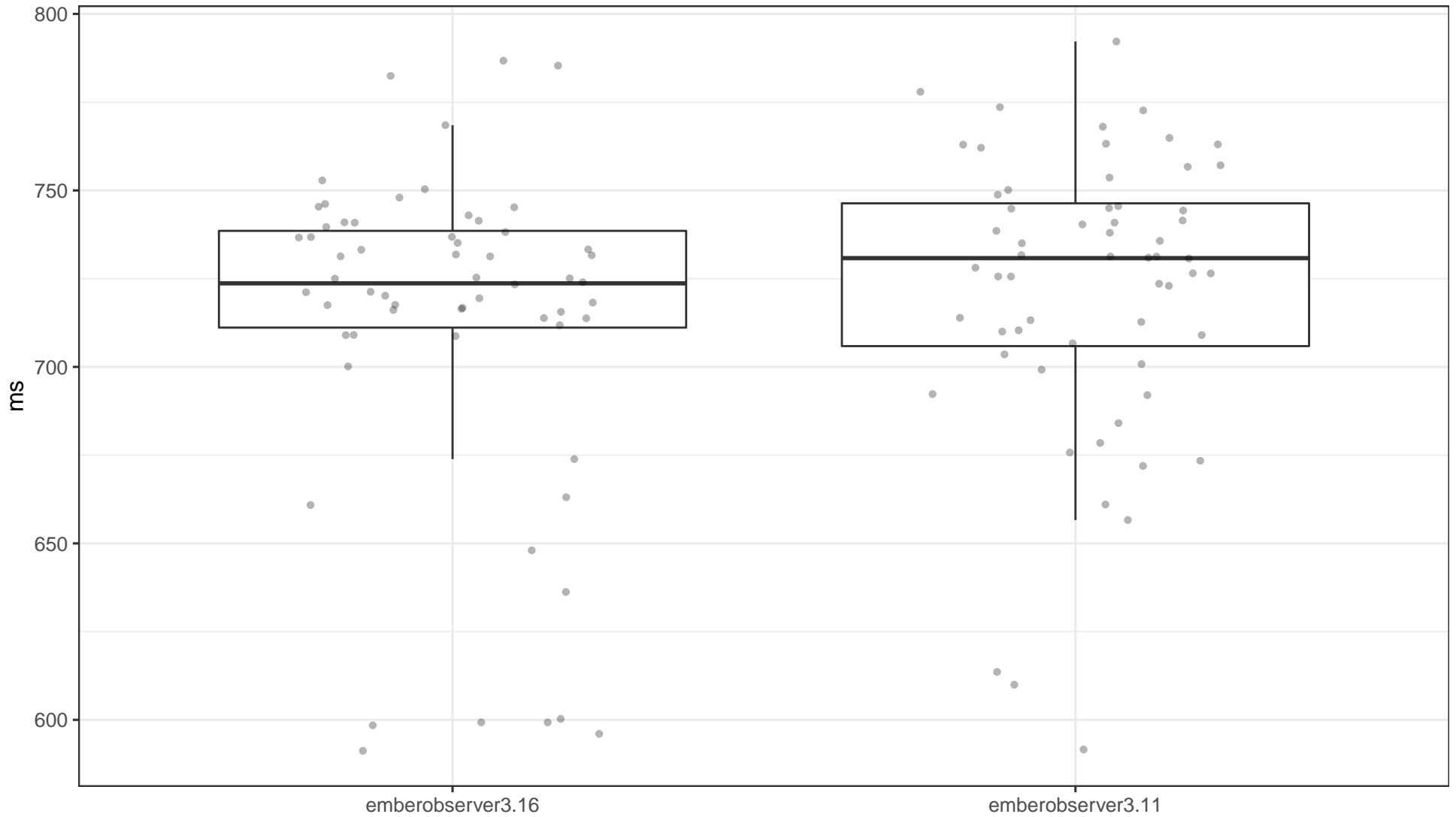


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %84.81 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +1.28ms, with a %95 confidence it is between -9.31ms and +12.17ms.

Test emberobserver3.16 JS Samples Against emberobserver3.11 JS Samples

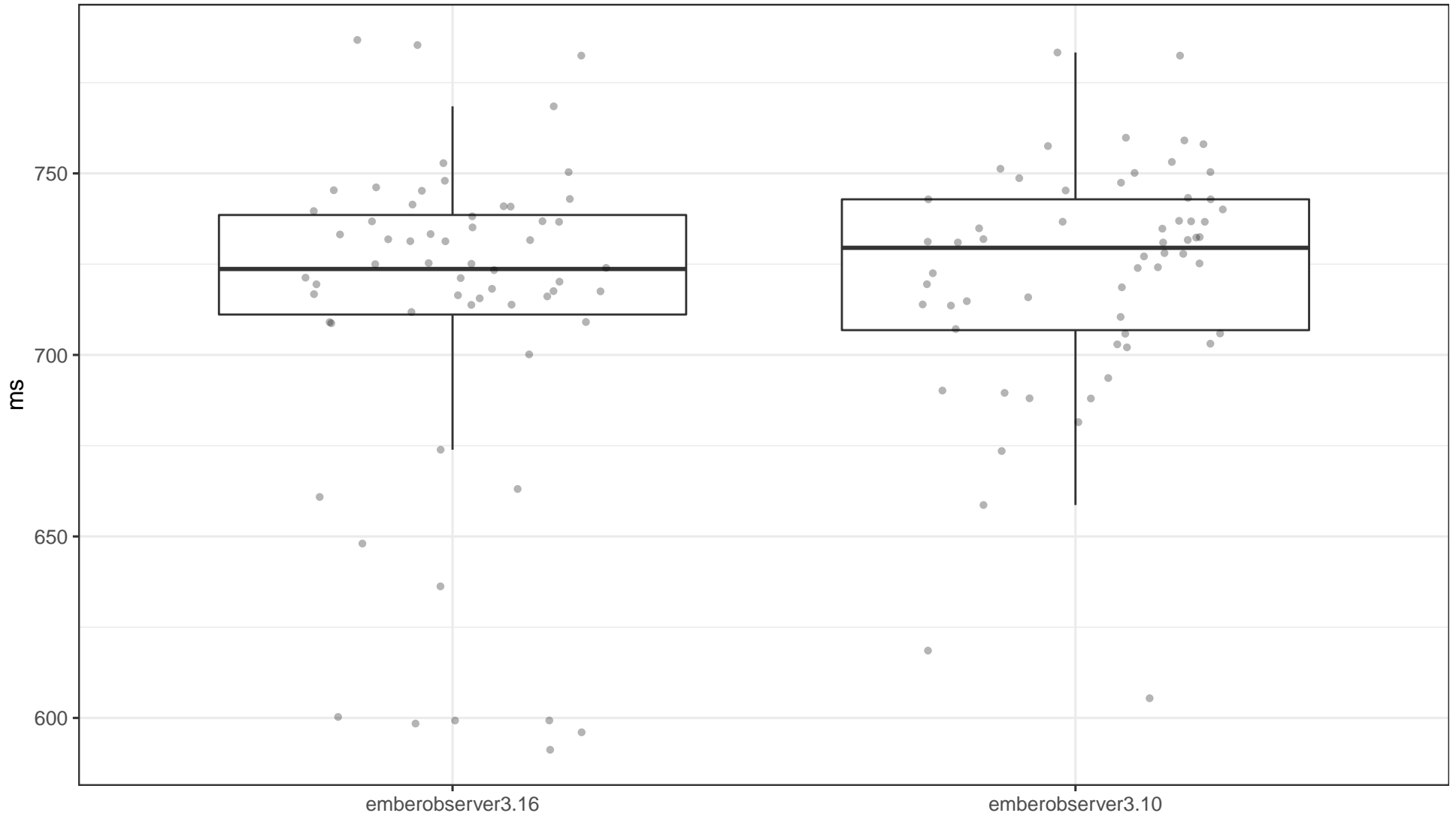


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %28.31 chance of observing these samples: the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -6.89ms , with a %95 confidence it is between -17.60ms and $+5.39\text{ms}$.

Test emberobserver3.16 JS Samples Against emberobserver3.10 JS Samples

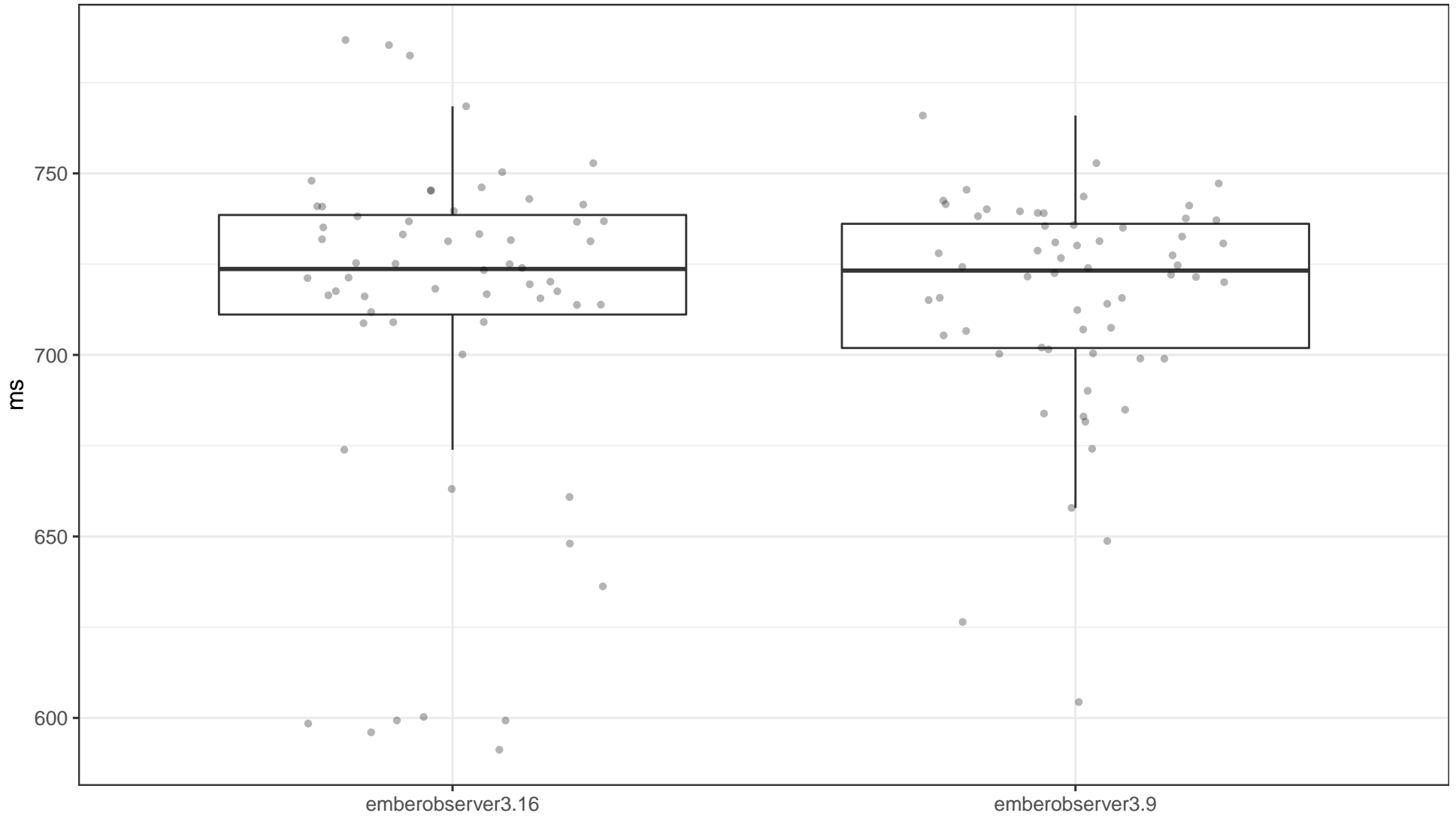


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %44.82 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -4.04ms , with a %95 confidence it is between -13.62ms and $+5.86\text{ms}$.

Test emberobserver3.16 JS Samples Against emberobserver3.9 JS Samples

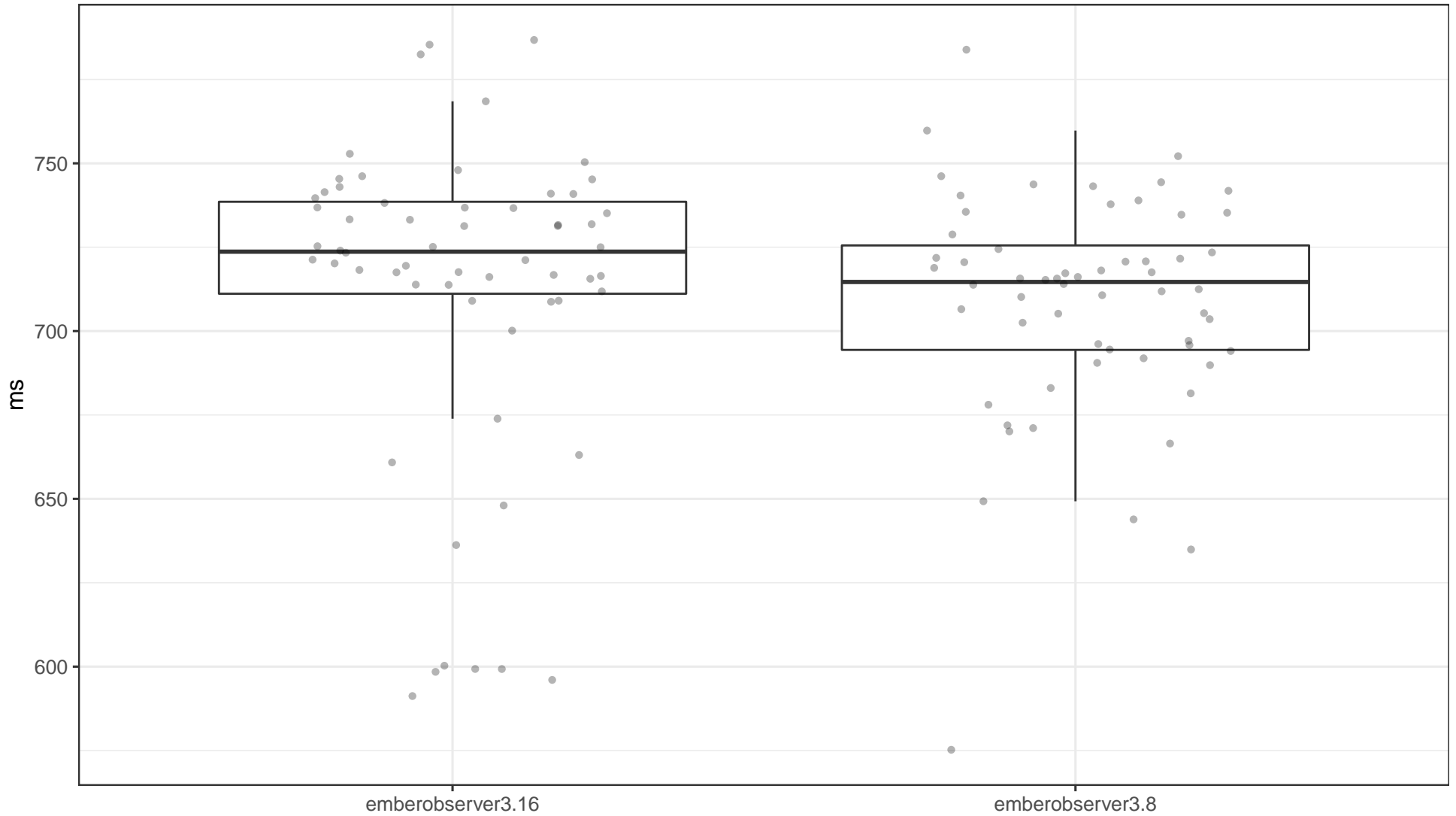


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %59.06 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +2.36ms, with a %95 confidence it is between -6.38ms and +11.21ms.

Test emberobserver3.16 JS Samples Against emberobserver3.8 JS Samples

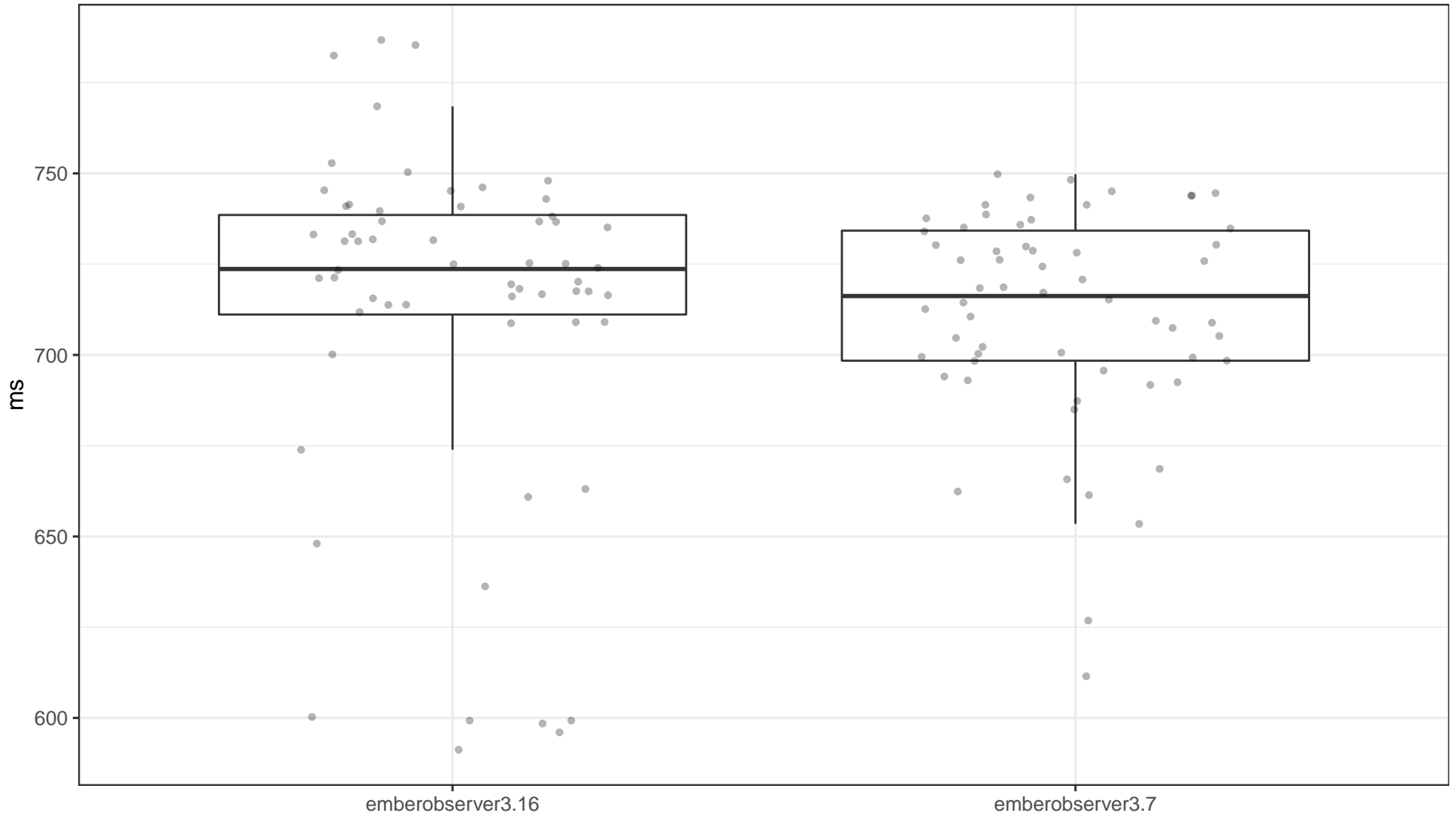


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %4.70 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +10.18ms, with a %95 confidence it is between +0.33ms and +20.62ms.

Test emberobserver3.16 JS Samples Against emberobserver3.7 JS Samples

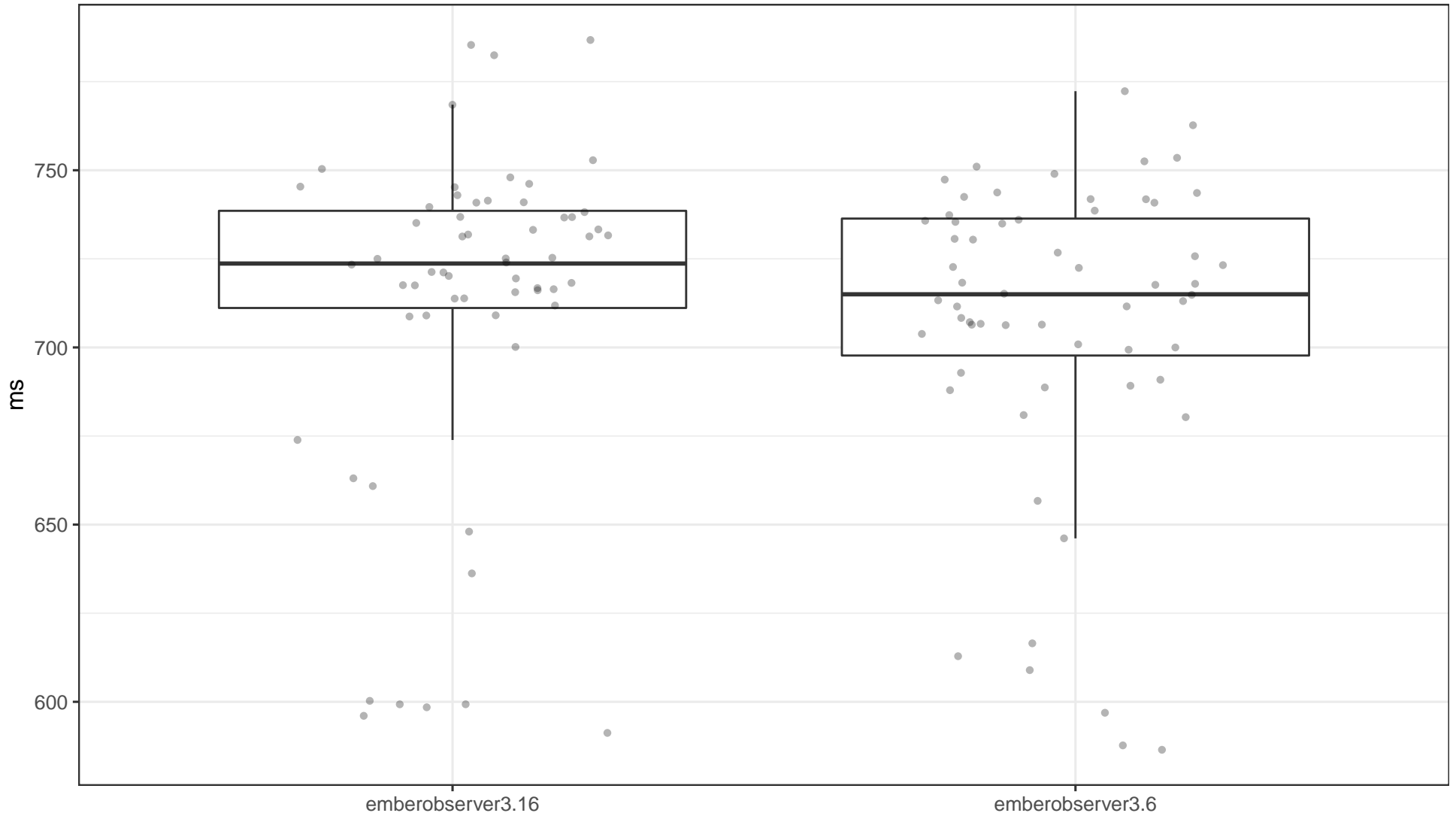


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %15.72 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +6.96ms, with a %95 confidence it is between -2.94ms and +16.86ms.

Test emberobserver3.16 JS Samples Against emberobserver3.6 JS Samples

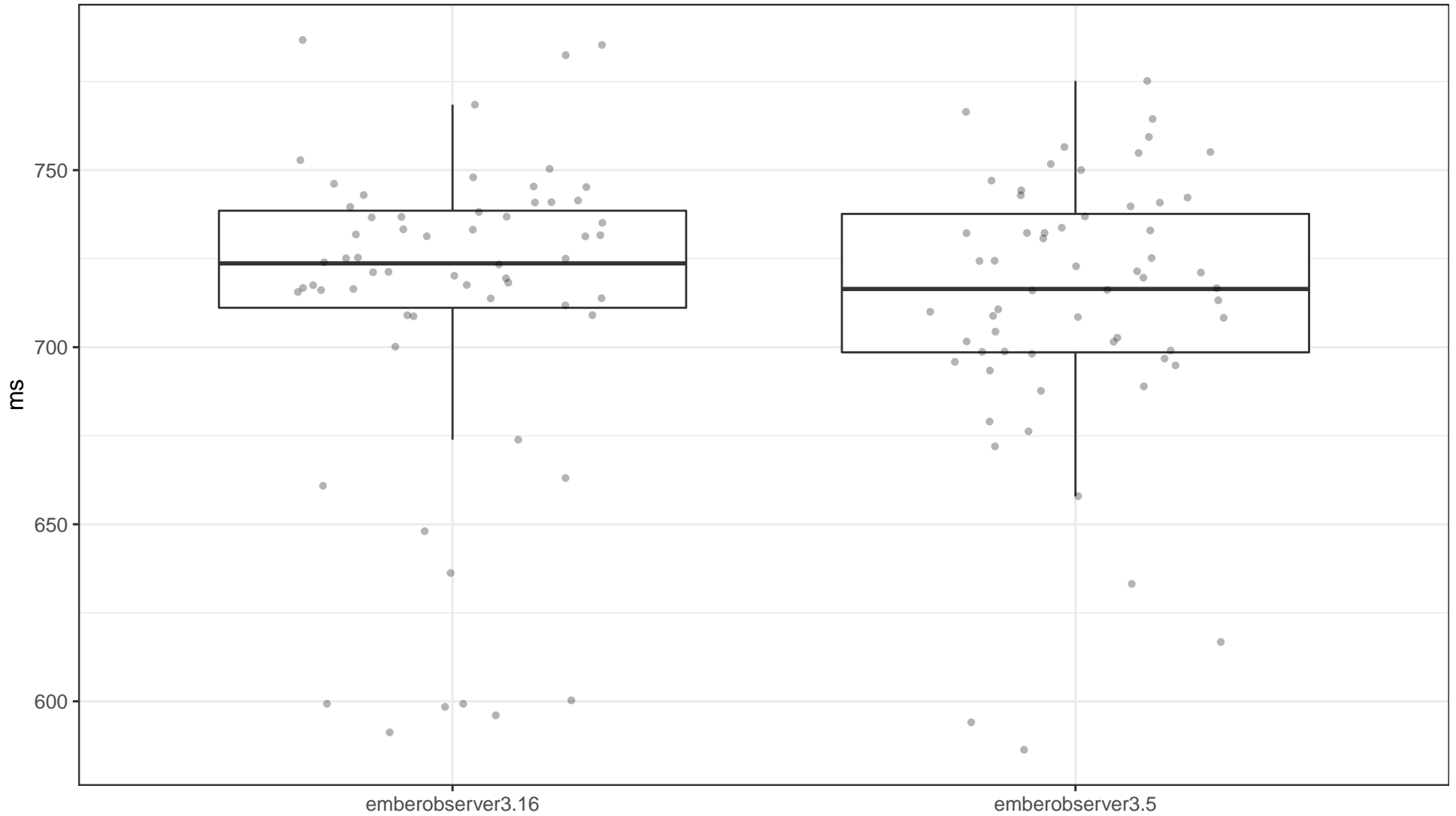


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %19.94 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +6.48ms, with a %95 confidence it is between -4.05ms and +17.40ms.

Test emberobserver3.16 JS Samples Against emberobserver3.5 JS Samples

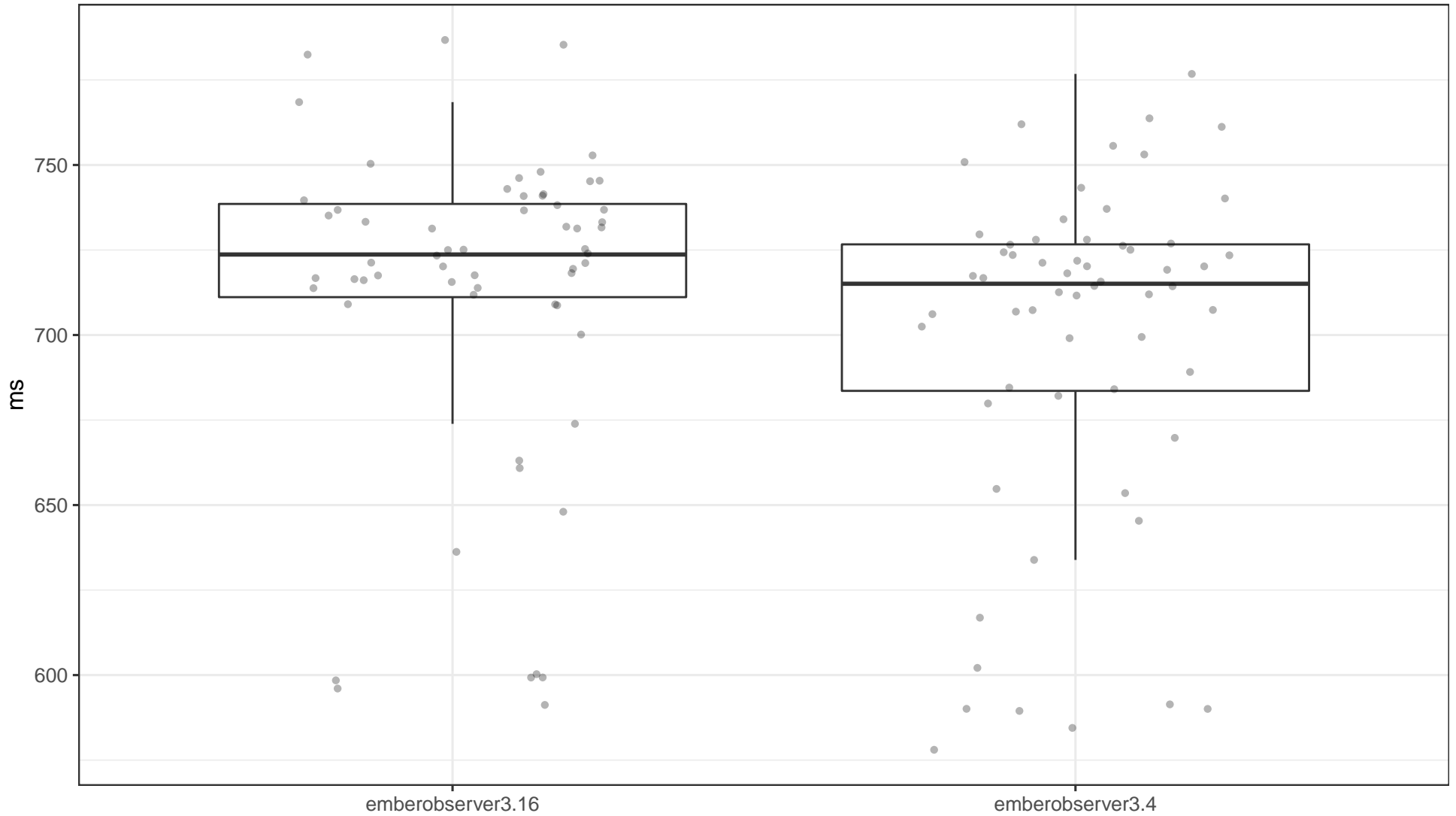


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %35.97 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +5.27ms, with a %95 confidence it is between -6.97ms and +15.89ms.

Test emberobserver3.16 JS Samples Against emberobserver3.4 JS Samples

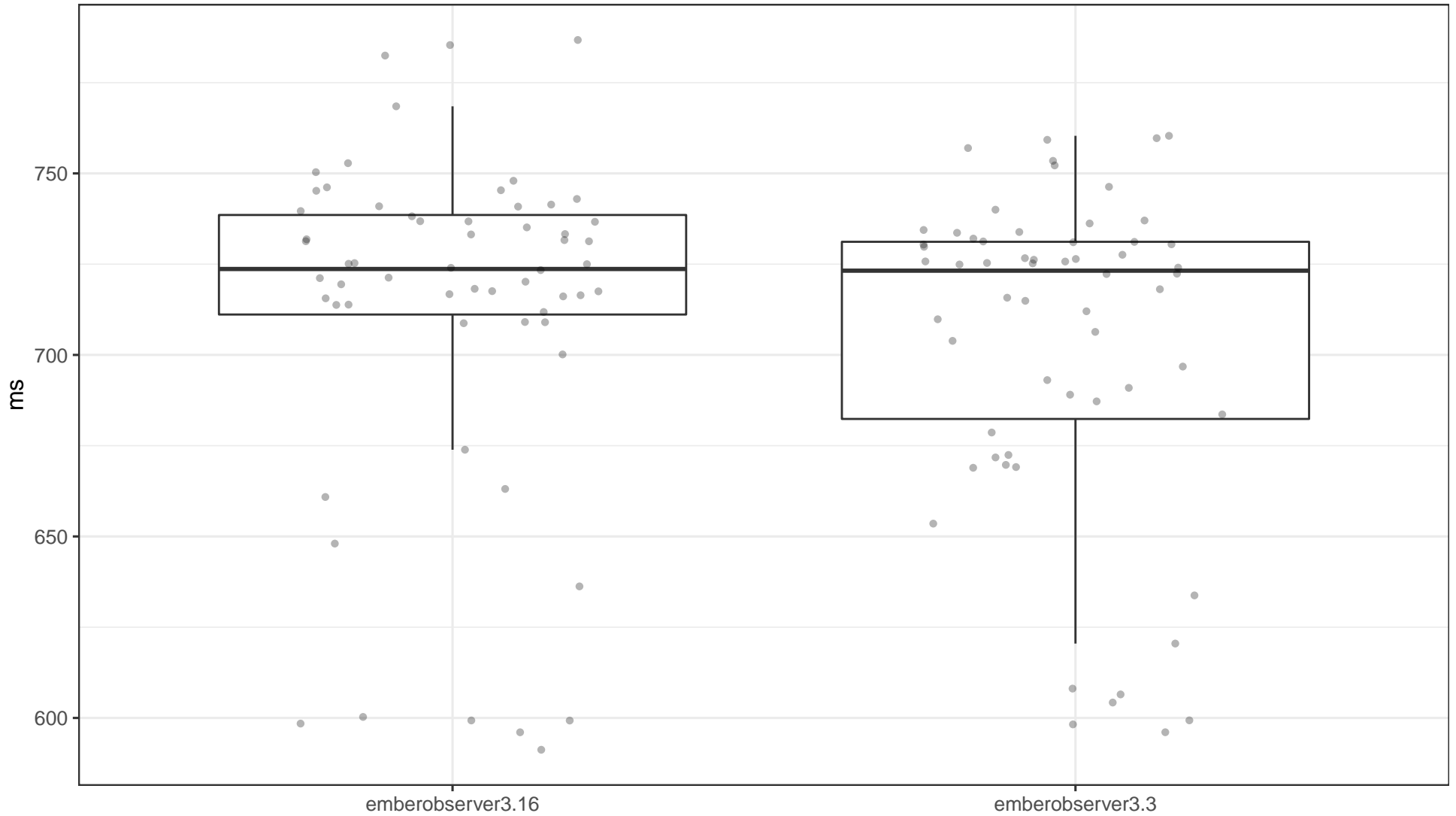


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %3.33 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +11.20ms, with a %95 confidence it is between +1.17ms and +21.78ms.

Test emberobserver3.16 JS Samples Against emberobserver3.3 JS Samples

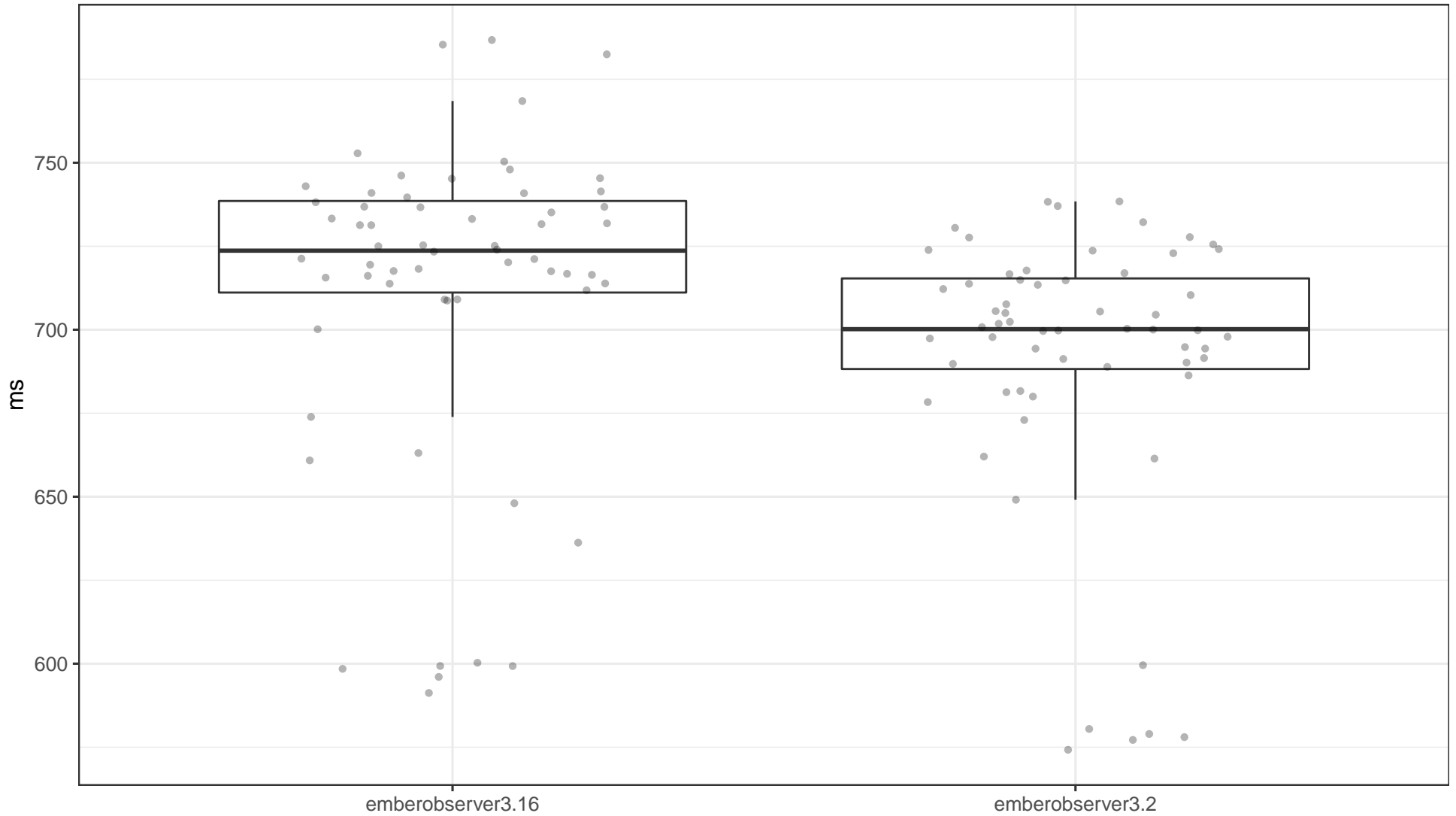


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %21.26 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +6.94ms, with a %95 confidence it is between -4.25ms and +18.72ms.

Test emberobserver3.16 JS Samples Against emberobserver3.2 JS Samples

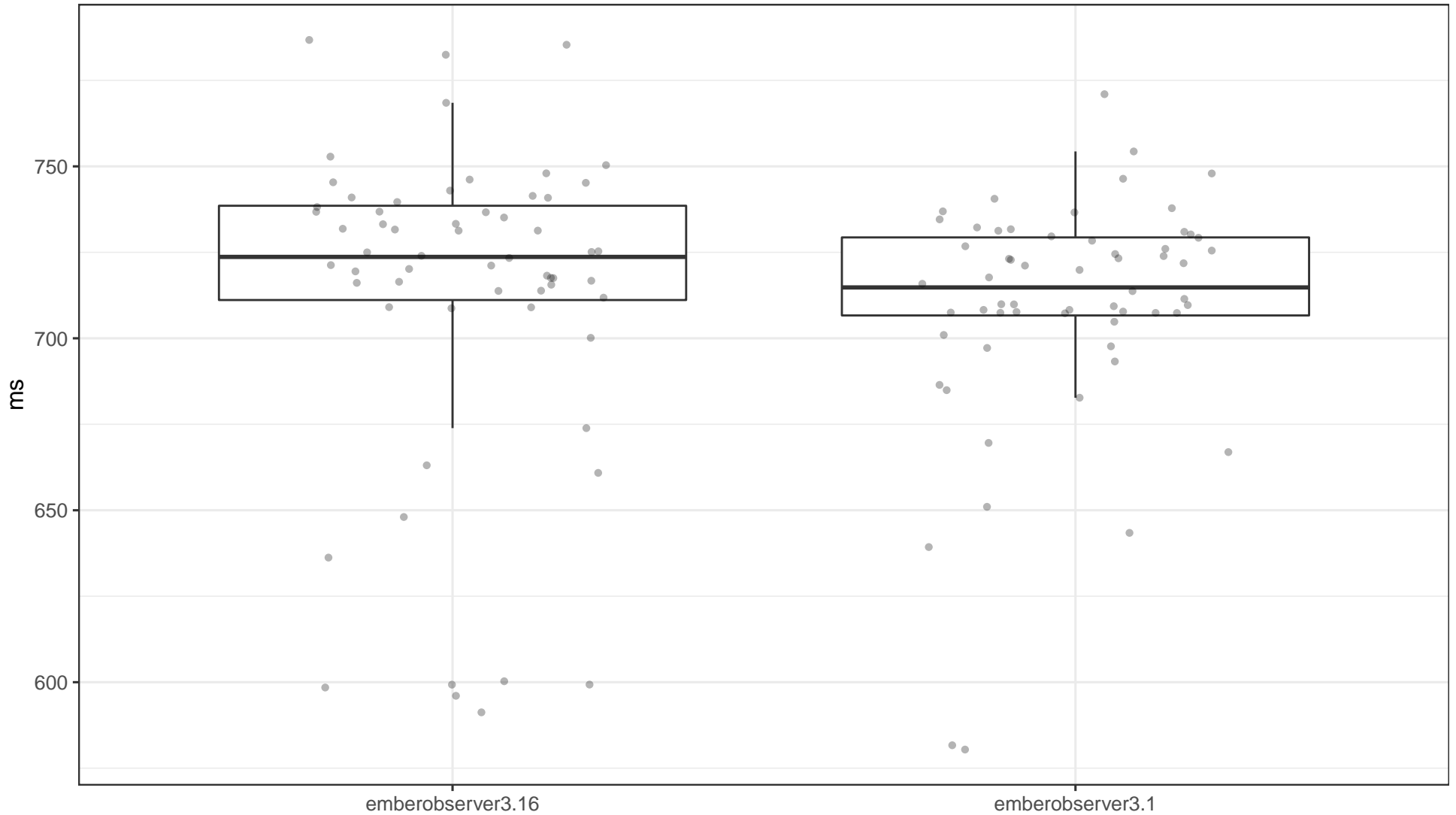


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +22.39ms, with a %95 confidence it is between +14.15ms and +31.68ms.

Test emberobserver3.16 JS Samples Against emberobserver3.1 JS Samples

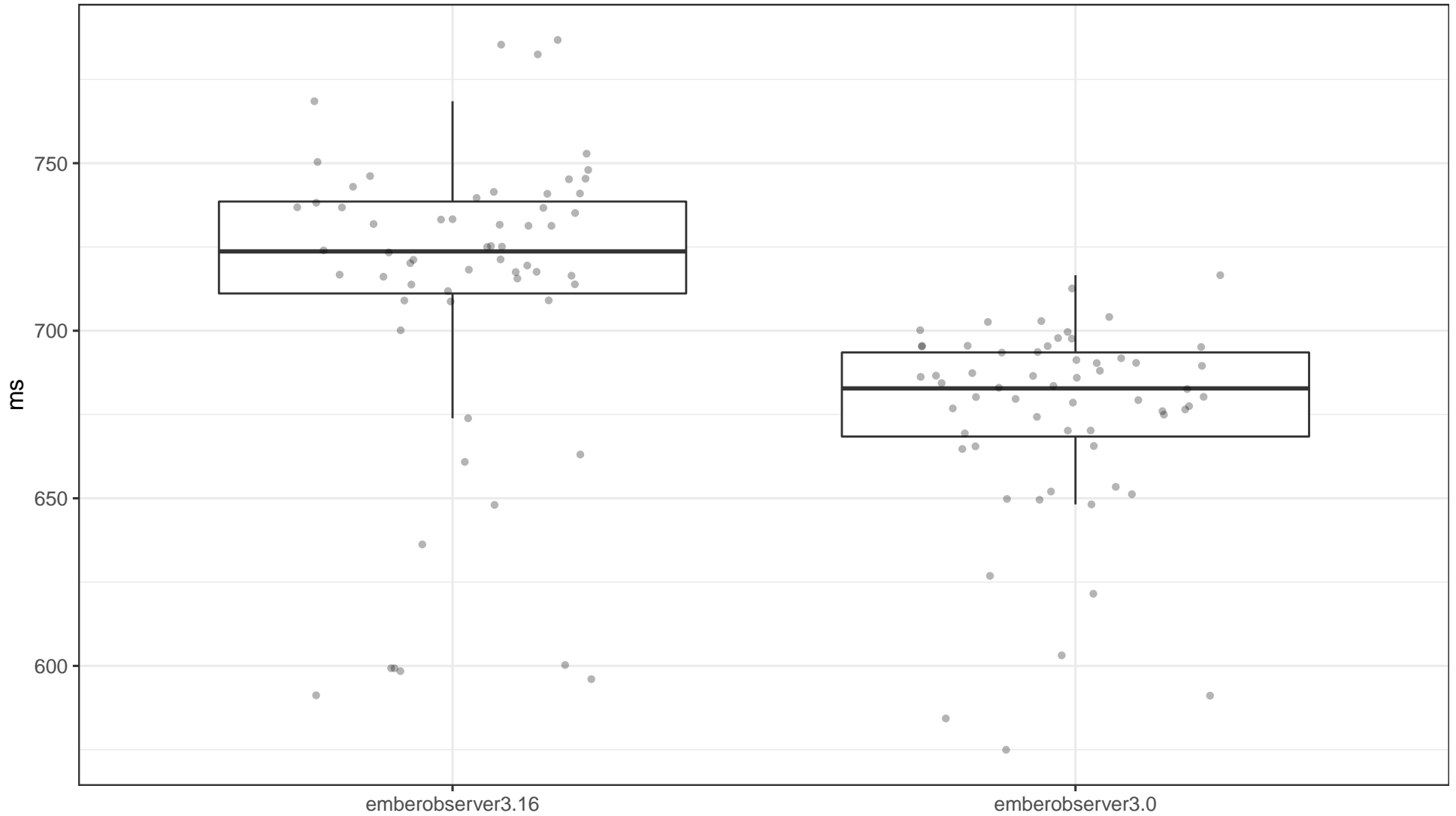


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %4.58 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +8.63ms, with a %95 confidence it is between +0.10ms and +16.32ms.

Test emberobserver3.16 JS Samples Against emberobserver3.0 JS Samples

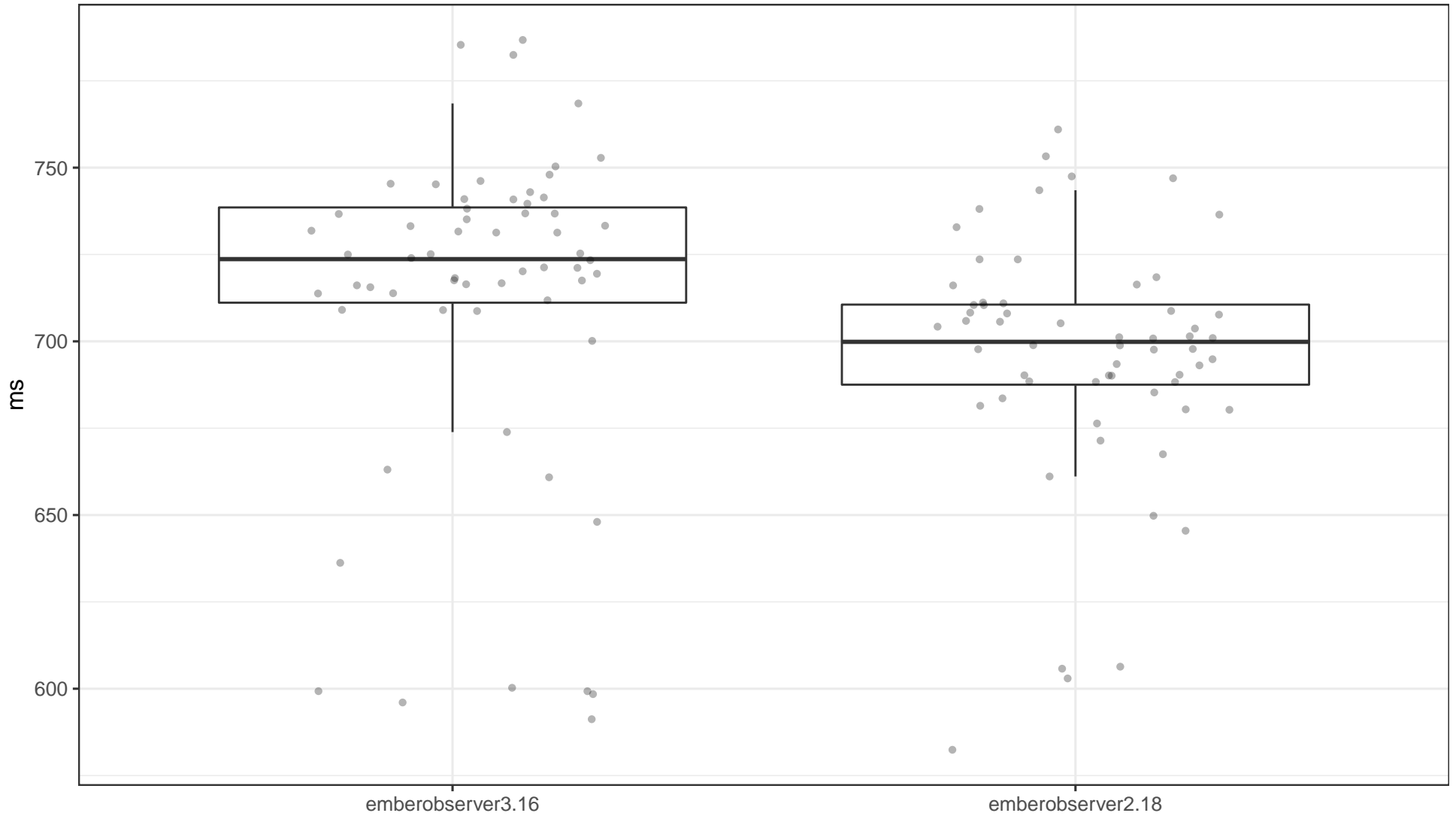


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +43.13ms, with a %95 confidence it is between +34.93ms and +51.09ms.

Test emberobserver3.16 JS Samples Against emberobserver2.18 JS Samples

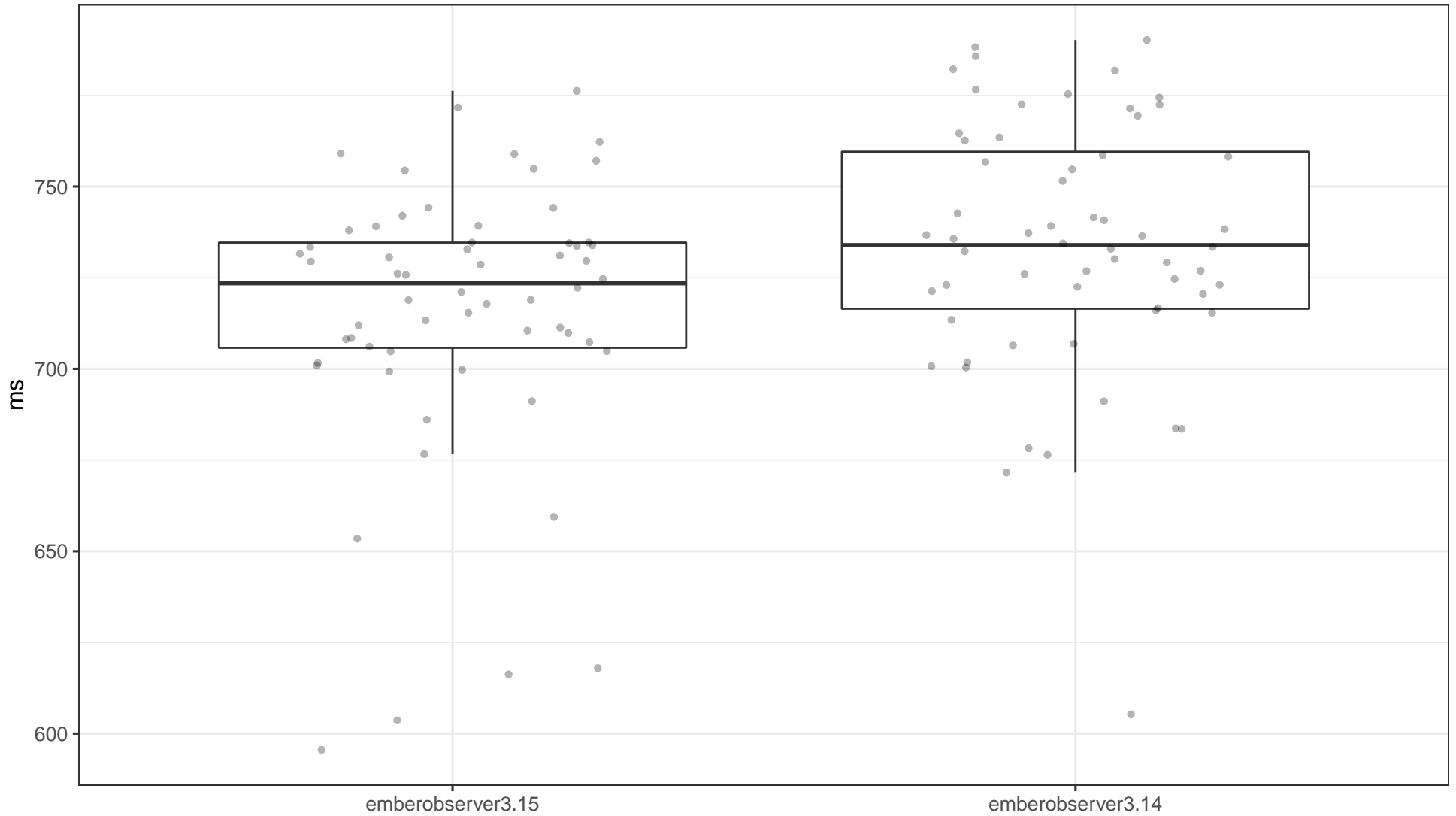


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +24.10ms, with a %95 confidence it is between +14.52ms and +32.84ms.

Test emberobserver3.15 JS Samples Against emberobserver3.14 JS Samples

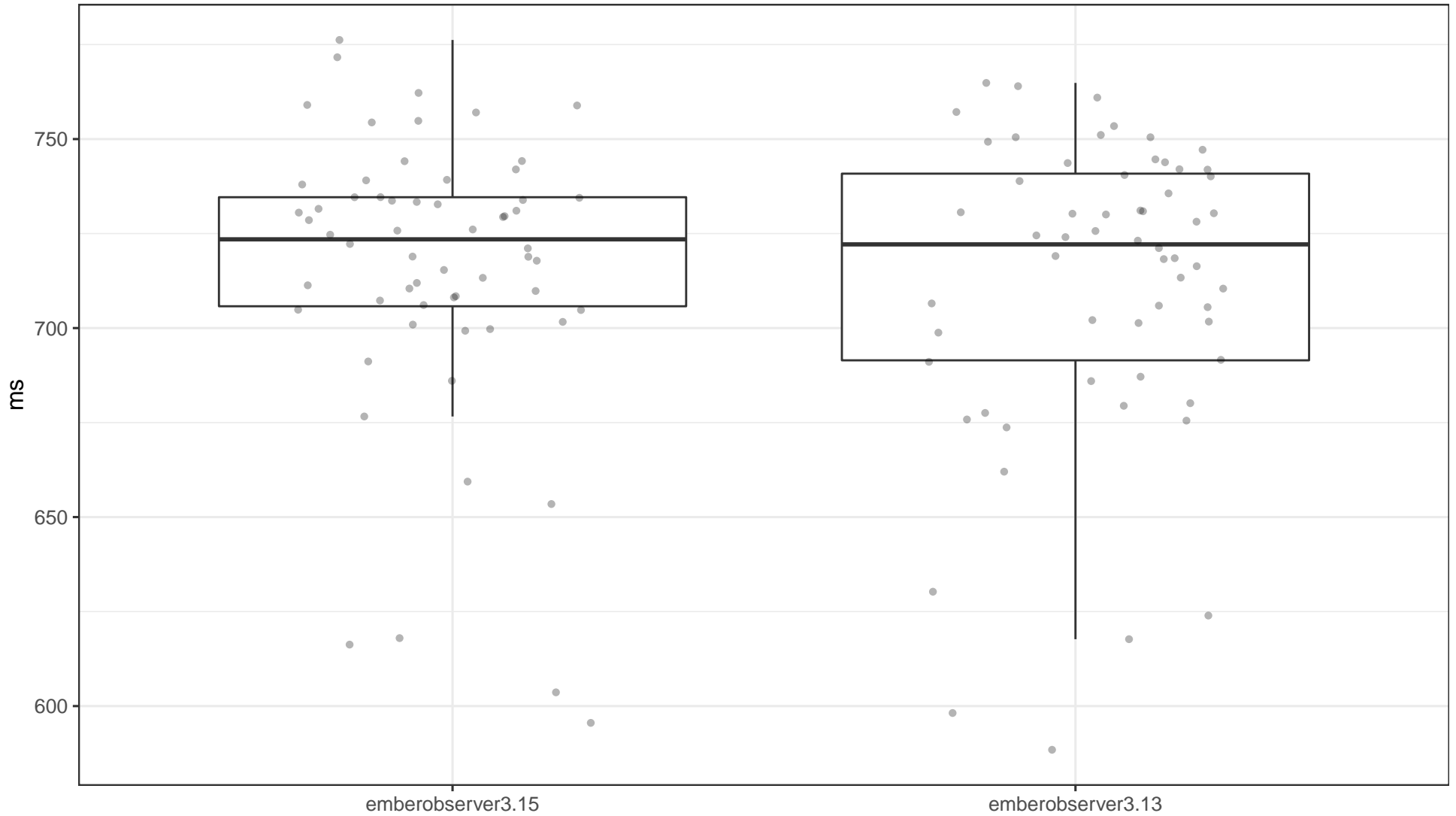


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.89 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -14.71ms , with a %95 confidence it is between -26.28ms and -3.58ms .

Test emberobserver3.15 JS Samples Against emberobserver3.13 JS Samples

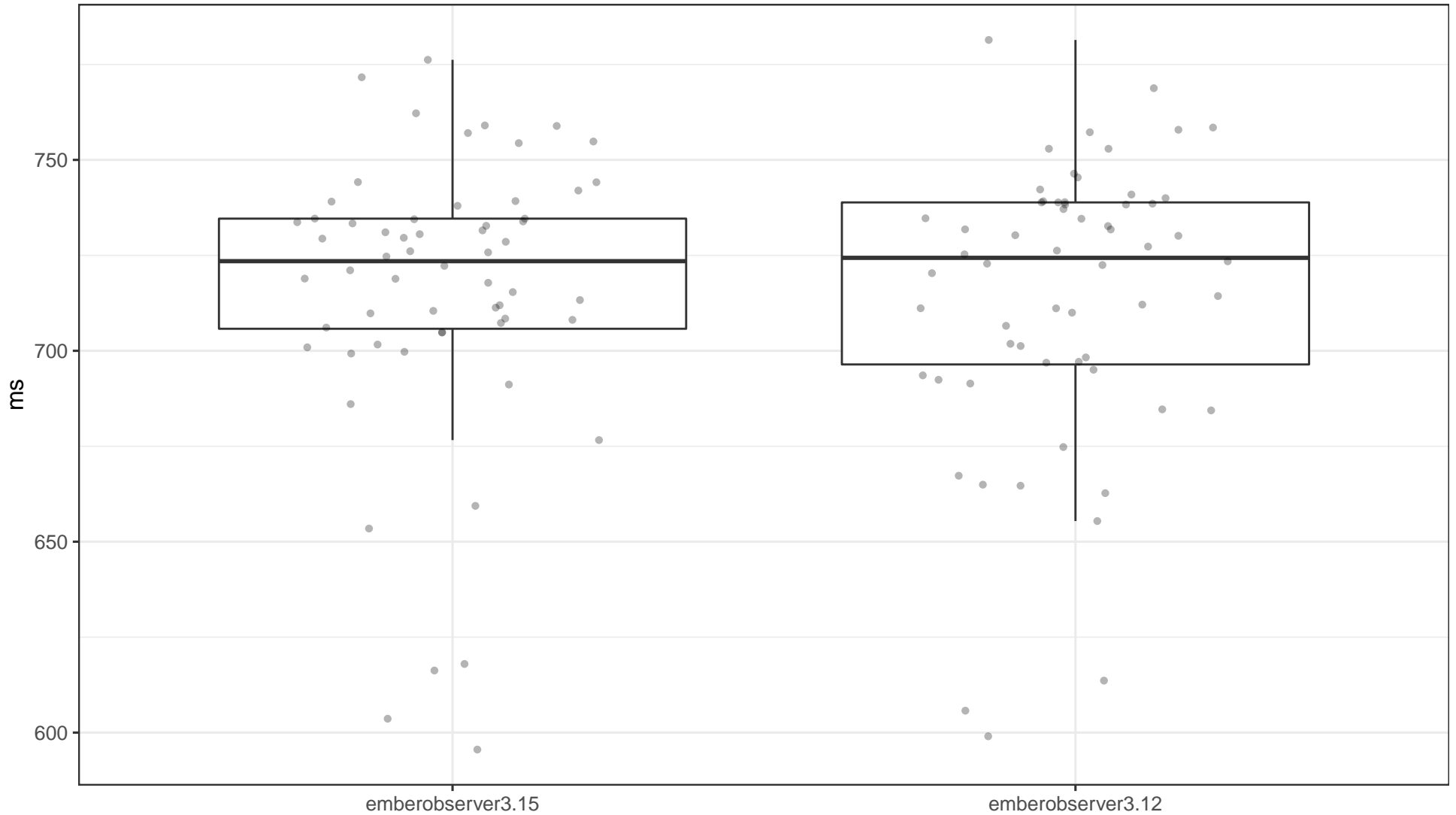


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %66.12 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +2.57ms, with a %95 confidence it is between -9.12ms and +13.71ms.

Test emberobserver3.15 JS Samples Against emberobserver3.12 JS Samples

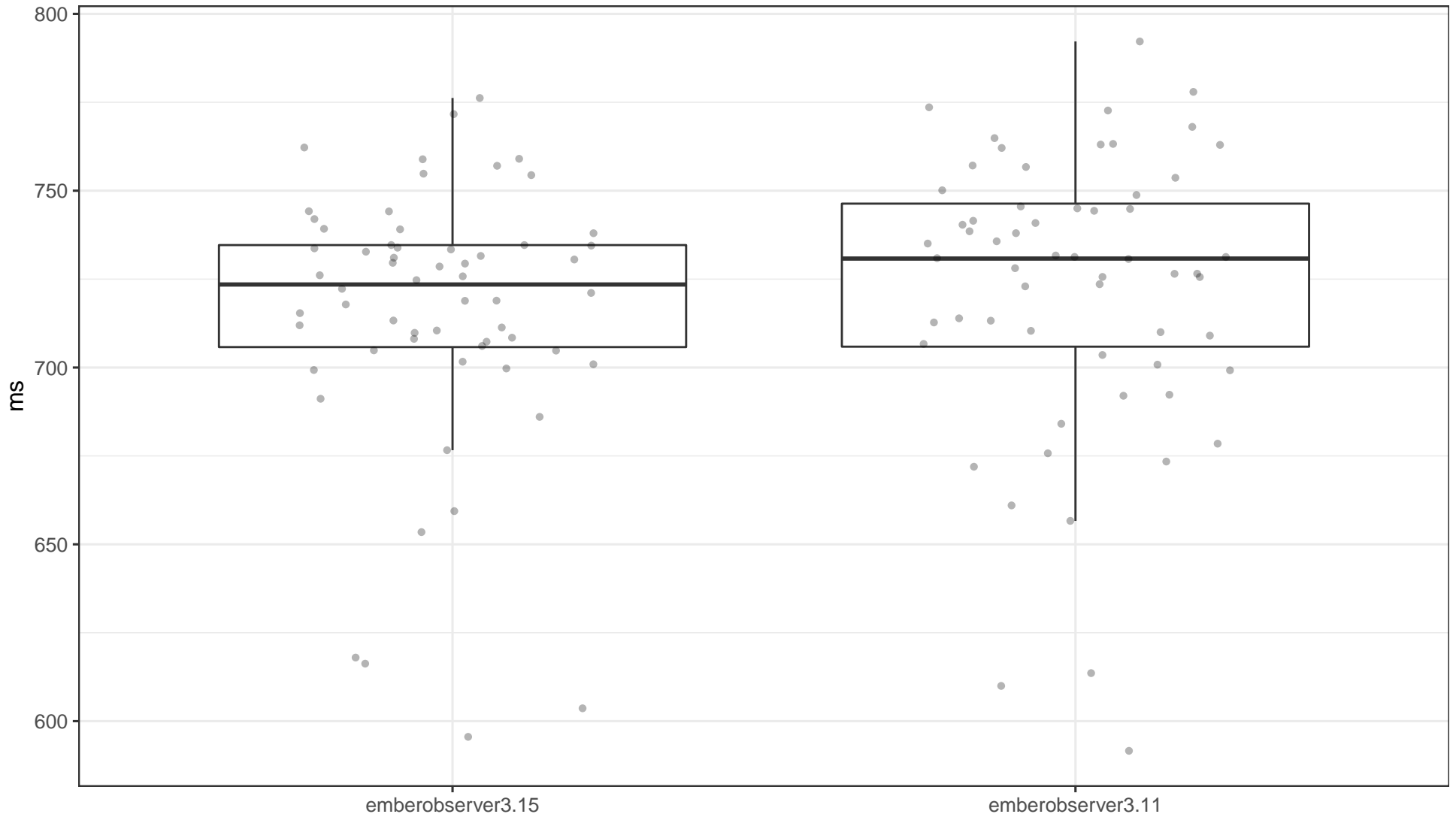


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %90.18 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +0.76ms, with a %95 confidence it is between -9.17ms and +12.03ms.

Test emberobserver3.15 JS Samples Against emberobserver3.11 JS Samples

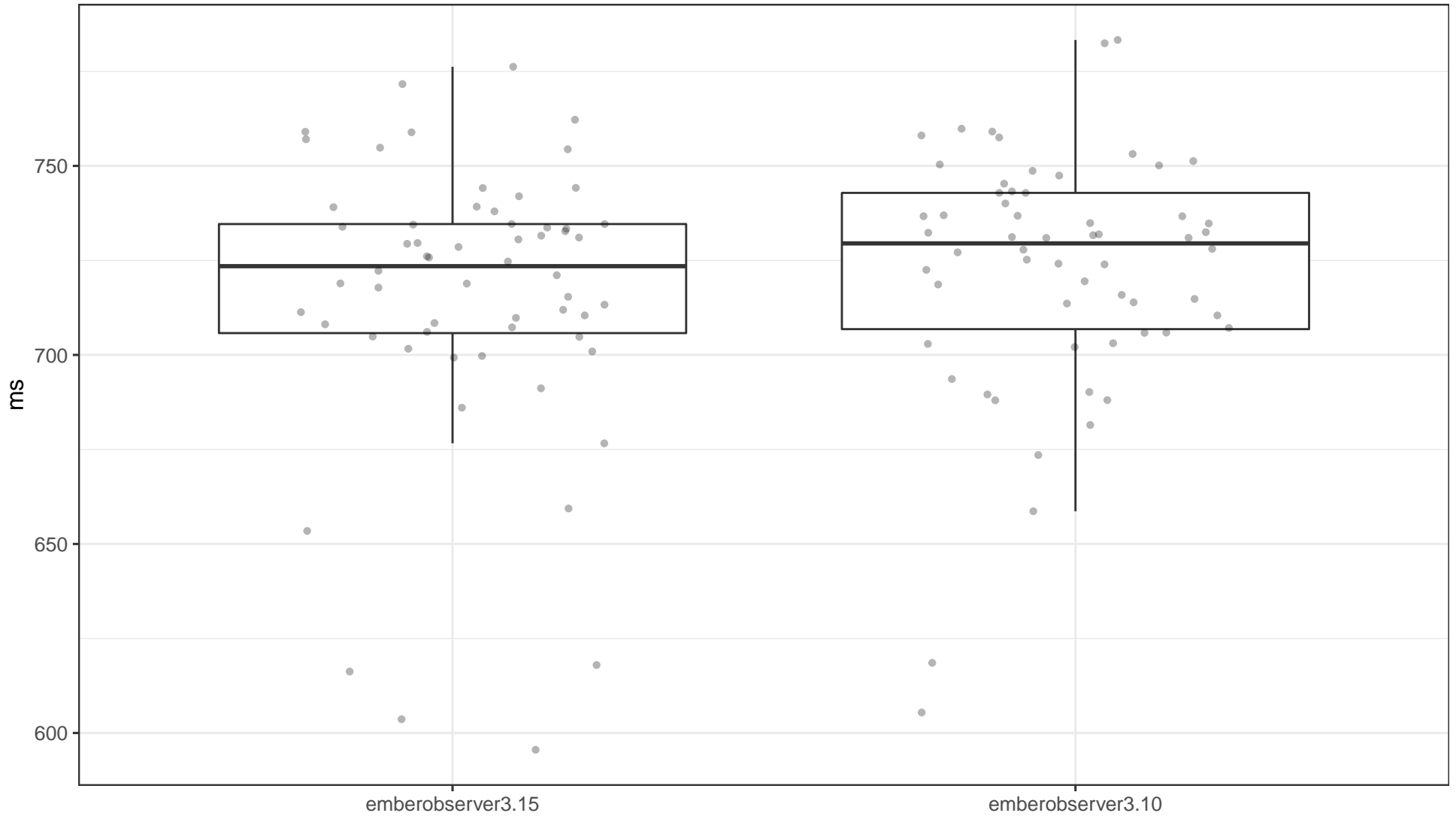


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %20.12 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -6.71ms , with a %95 confidence it is between -18.62ms and $+3.79\text{ms}$.

Test emberobserver3.15 JS Samples Against emberobserver3.10 JS Samples

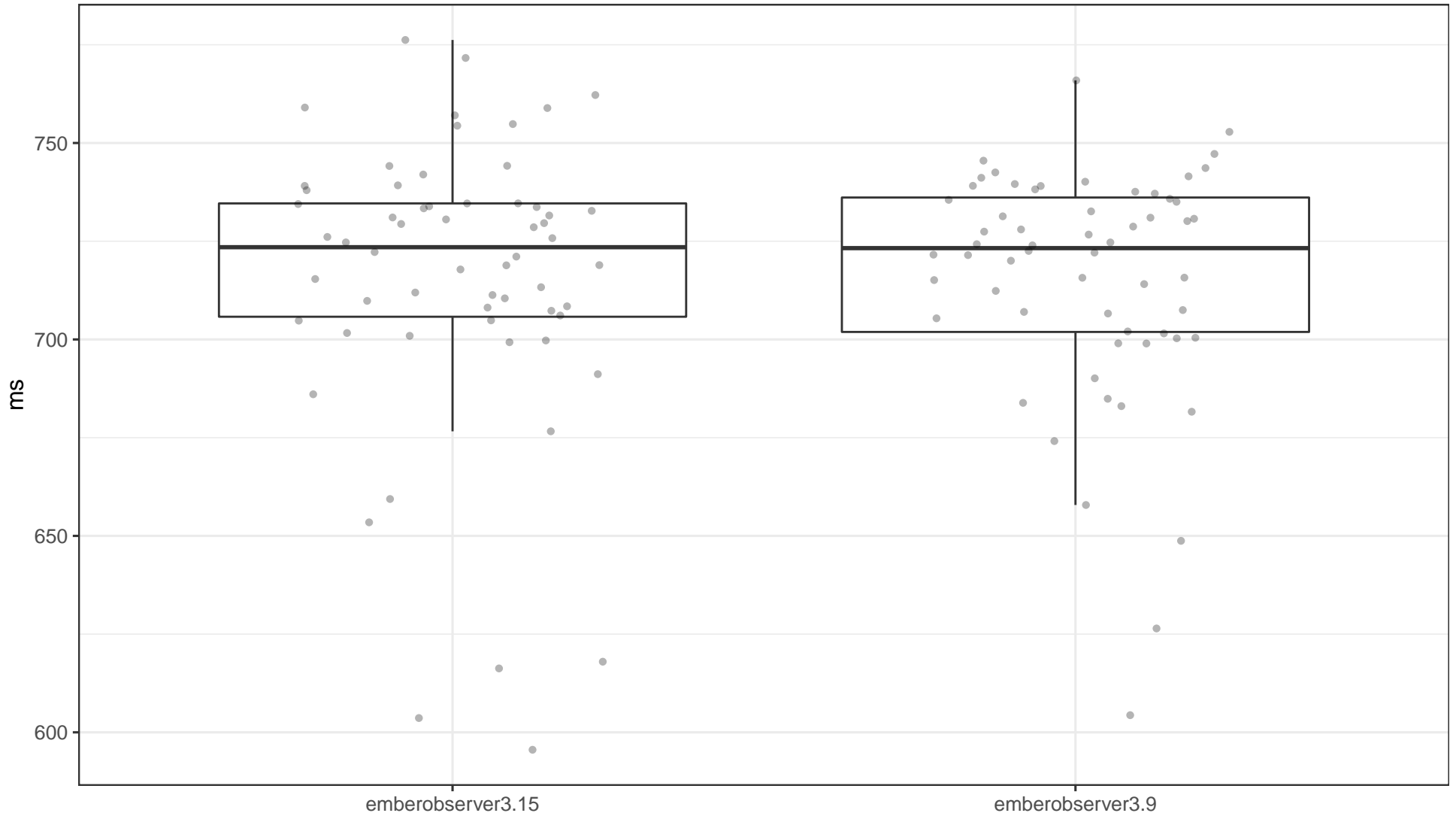


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %31.48 chance of observing these samples: the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -4.49ms , with a %95 confidence it is between -14.65ms and $+4.44\text{ms}$.

Test emberobserver3.15 JS Samples Against emberobserver3.9 JS Samples

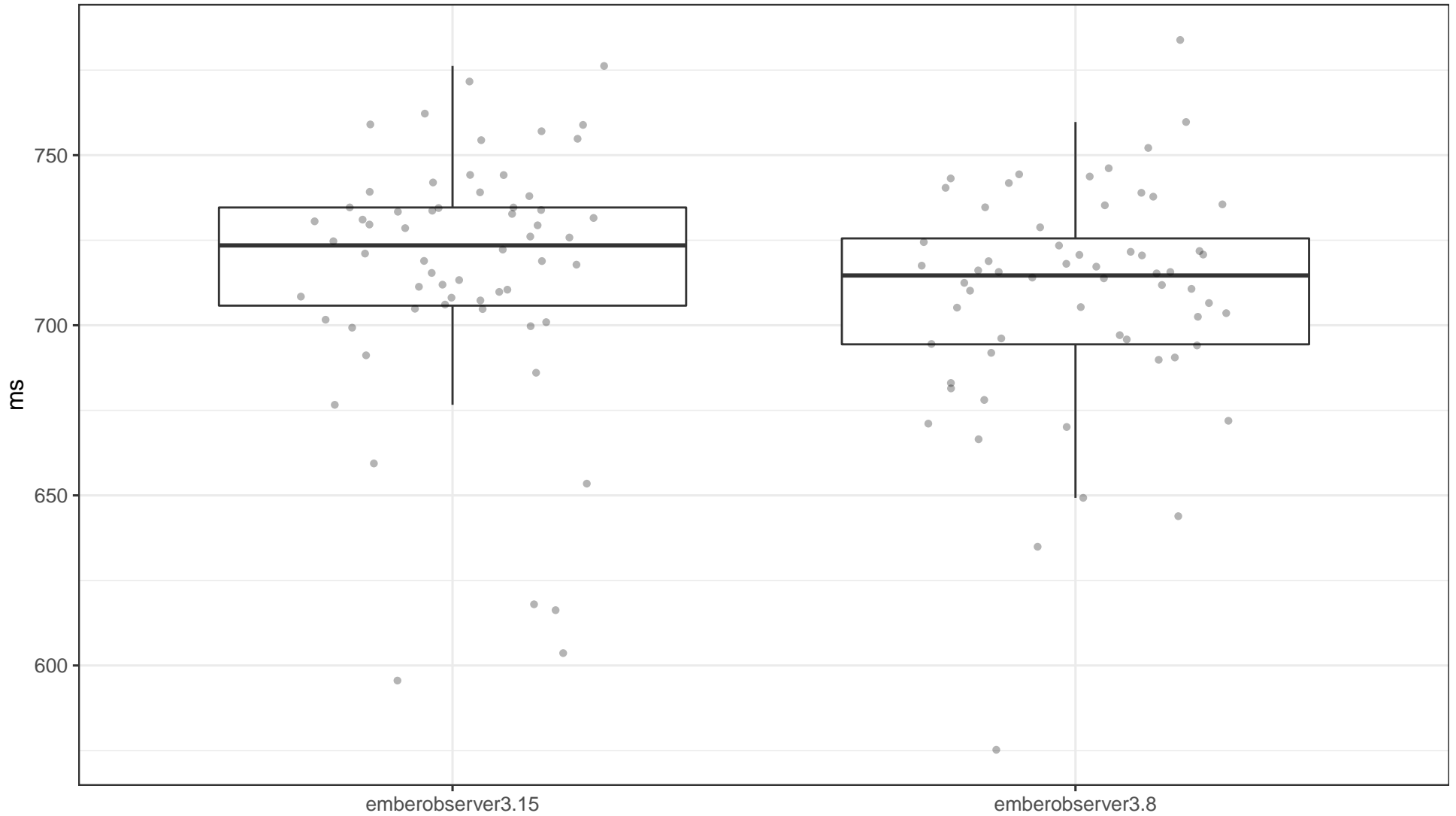


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %77.08 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +1.40ms, with a %95 confidence it is between -7.51ms and +10.52ms.

Test emberobserver3.15 JS Samples Against emberobserver3.8 JS Samples

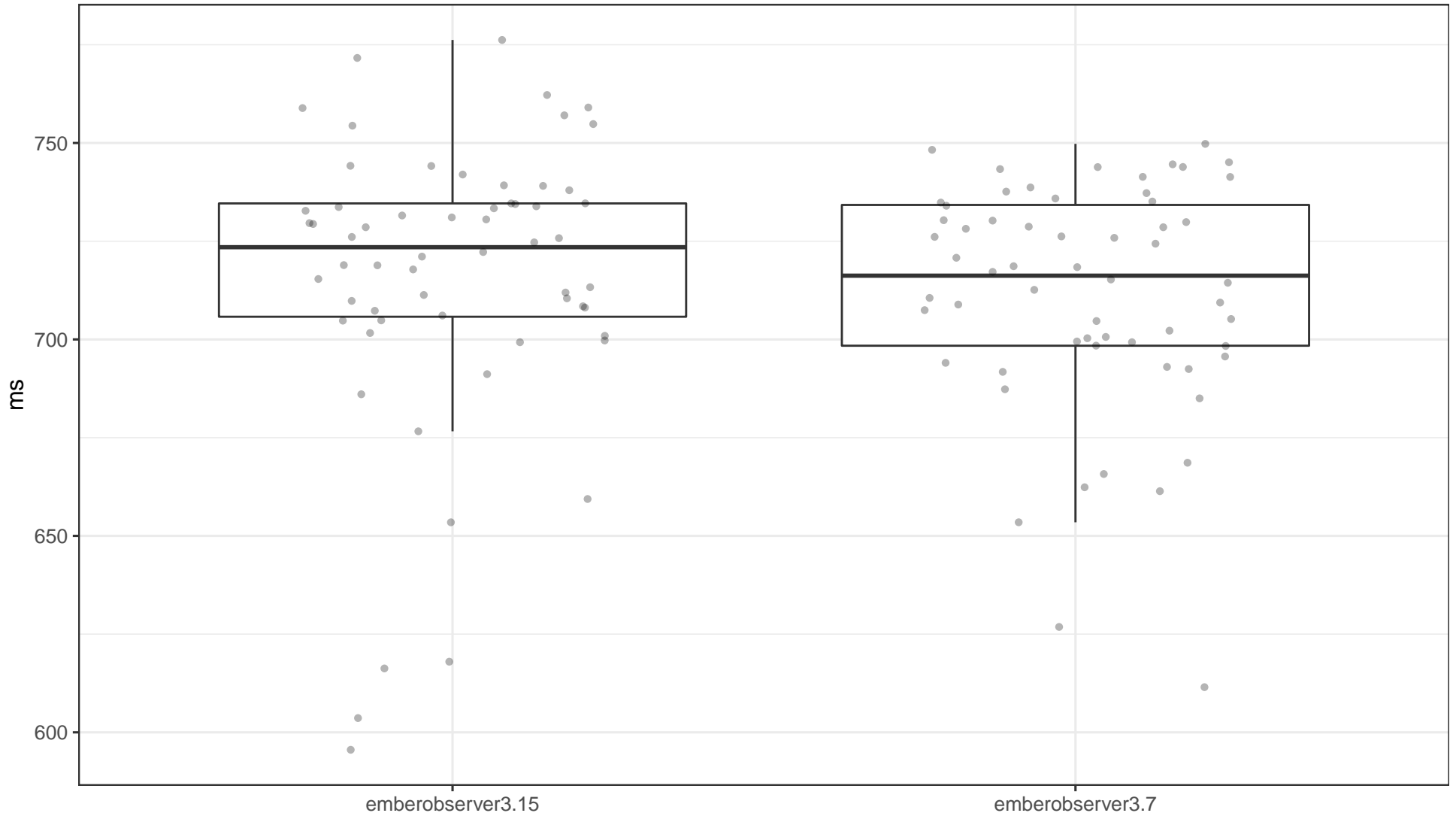


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %8.56 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +10.04ms, with a %95 confidence it is between -1.39ms and +18.69ms.

Test emberobserver3.15 JS Samples Against emberobserver3.7 JS Samples

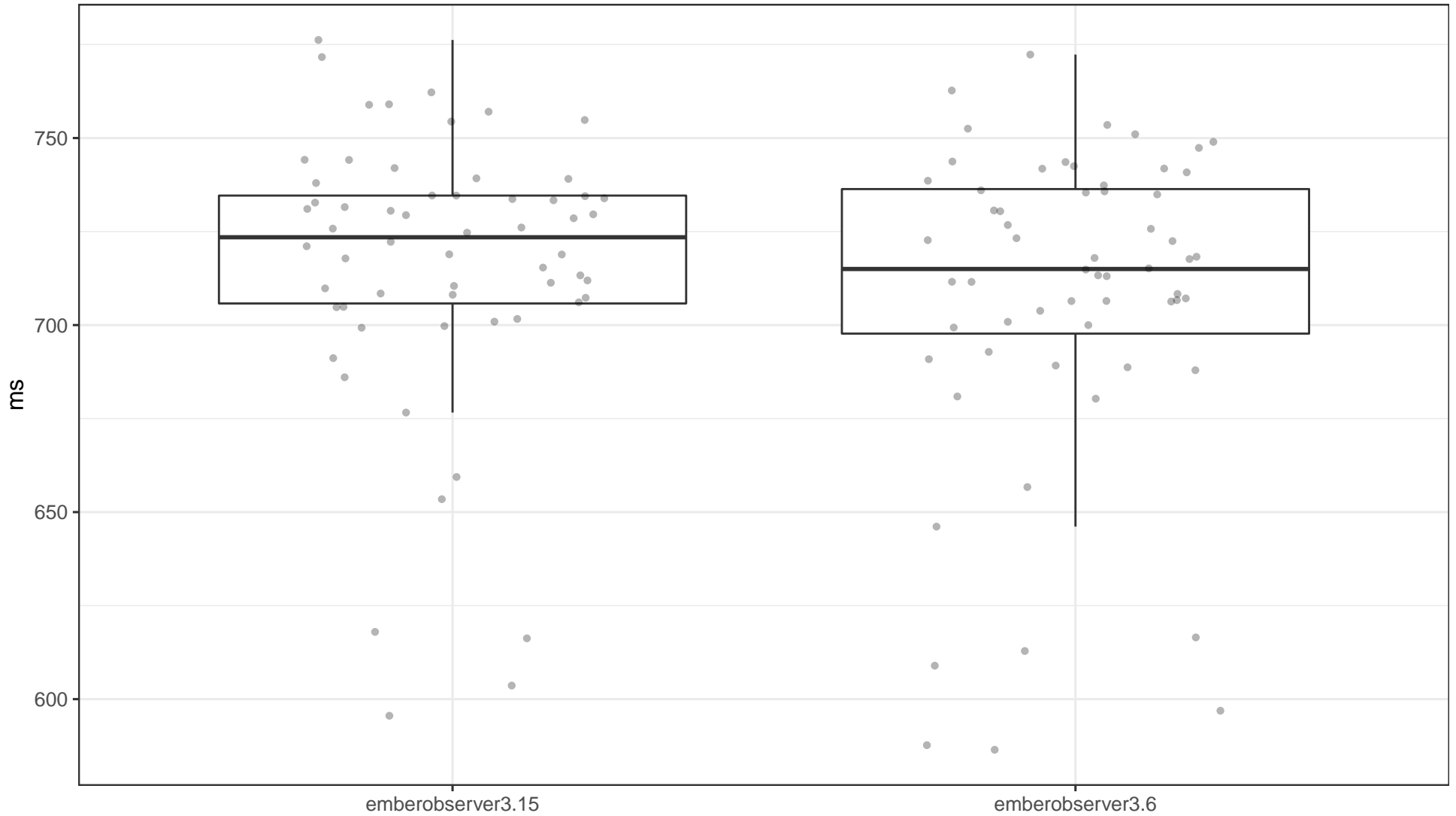


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %20.87 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +6.07ms, with a %95 confidence it is between -3.48ms and +15.76ms.

Test emberobserver3.15 JS Samples Against emberobserver3.6 JS Samples

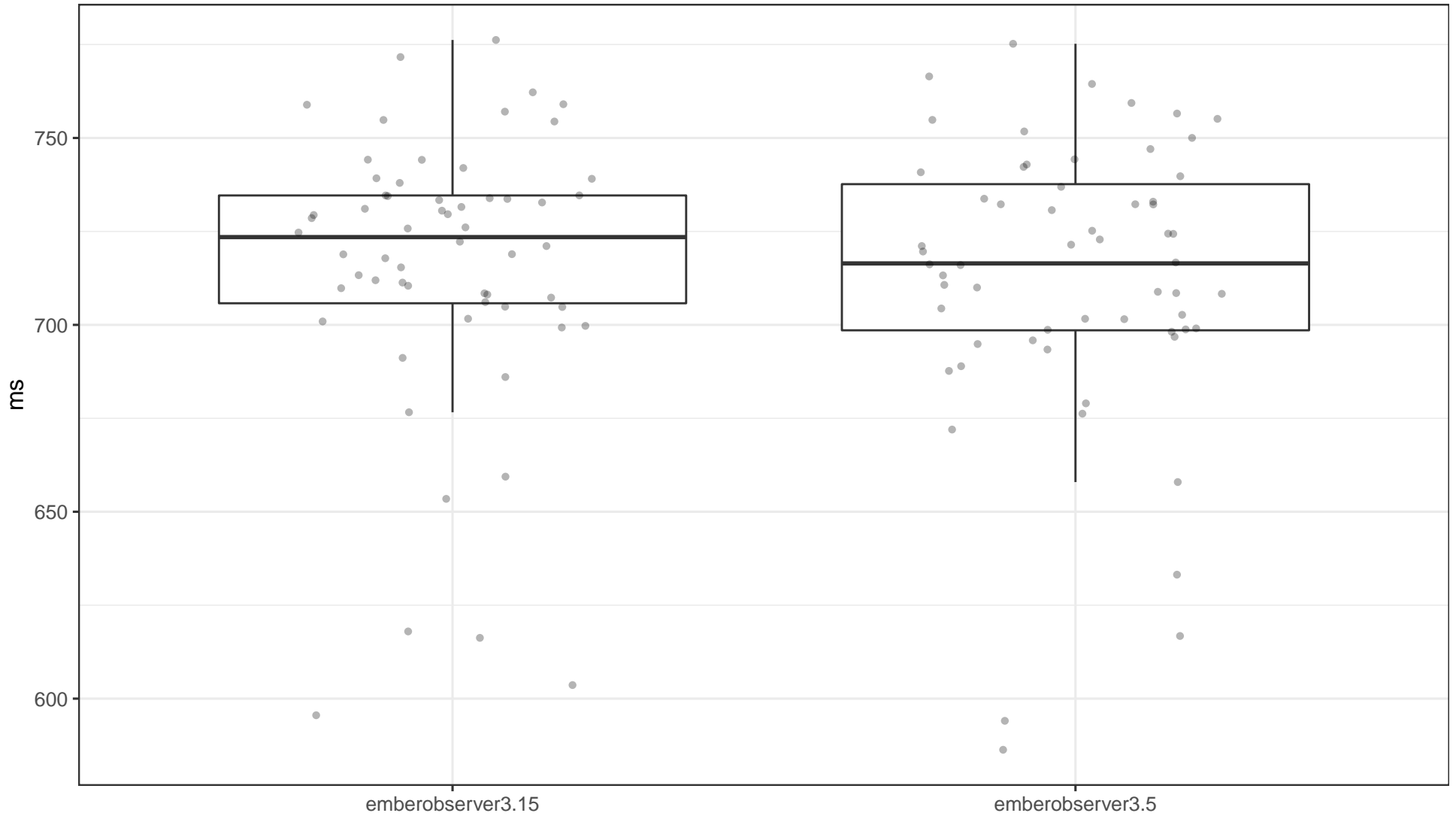


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %31.74 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +5.59ms, with a %95 confidence it is between -4.82ms and +16.85ms.

Test emberobserver3.15 JS Samples Against emberobserver3.5 JS Samples

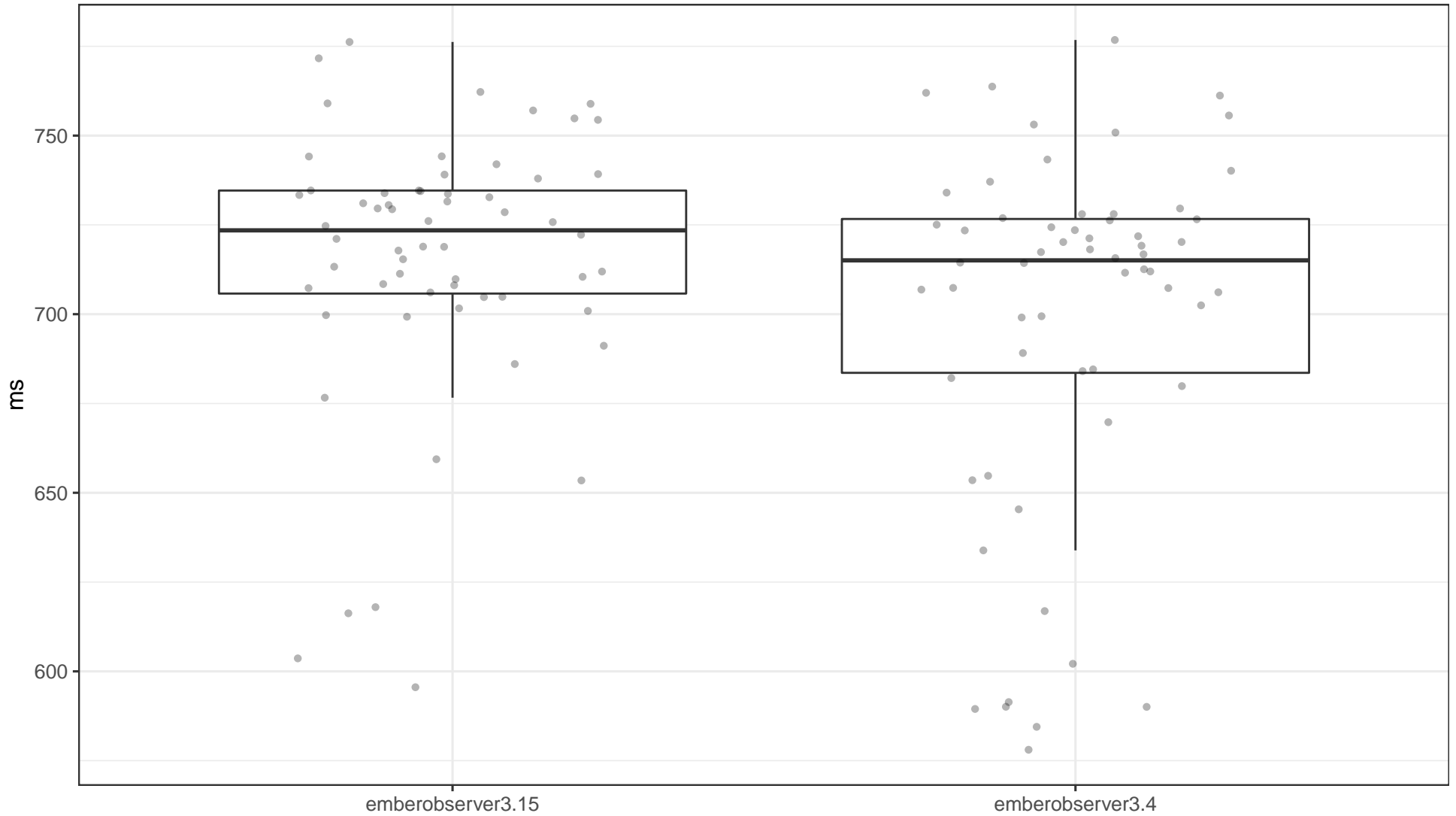


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %44.19 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +3.87ms, with a %95 confidence it is between -6.99ms and +14.14ms.

Test emberobserver3.15 JS Samples Against emberobserver3.4 JS Samples

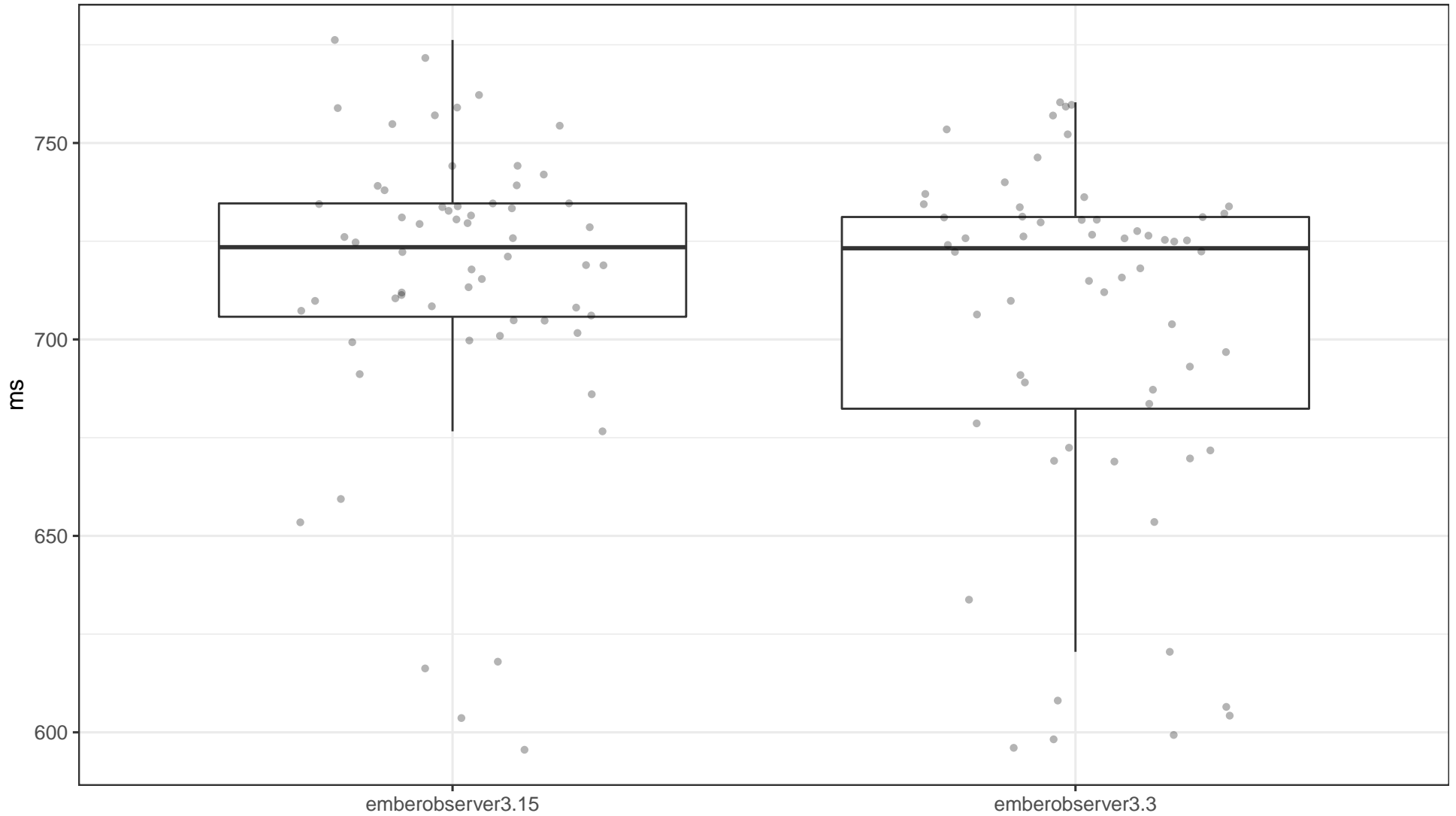


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %4.64 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +10.82ms, with a %95 confidence it is between +0.41ms and +21.89ms.

Test emberobserver3.15 JS Samples Against emberobserver3.3 JS Samples

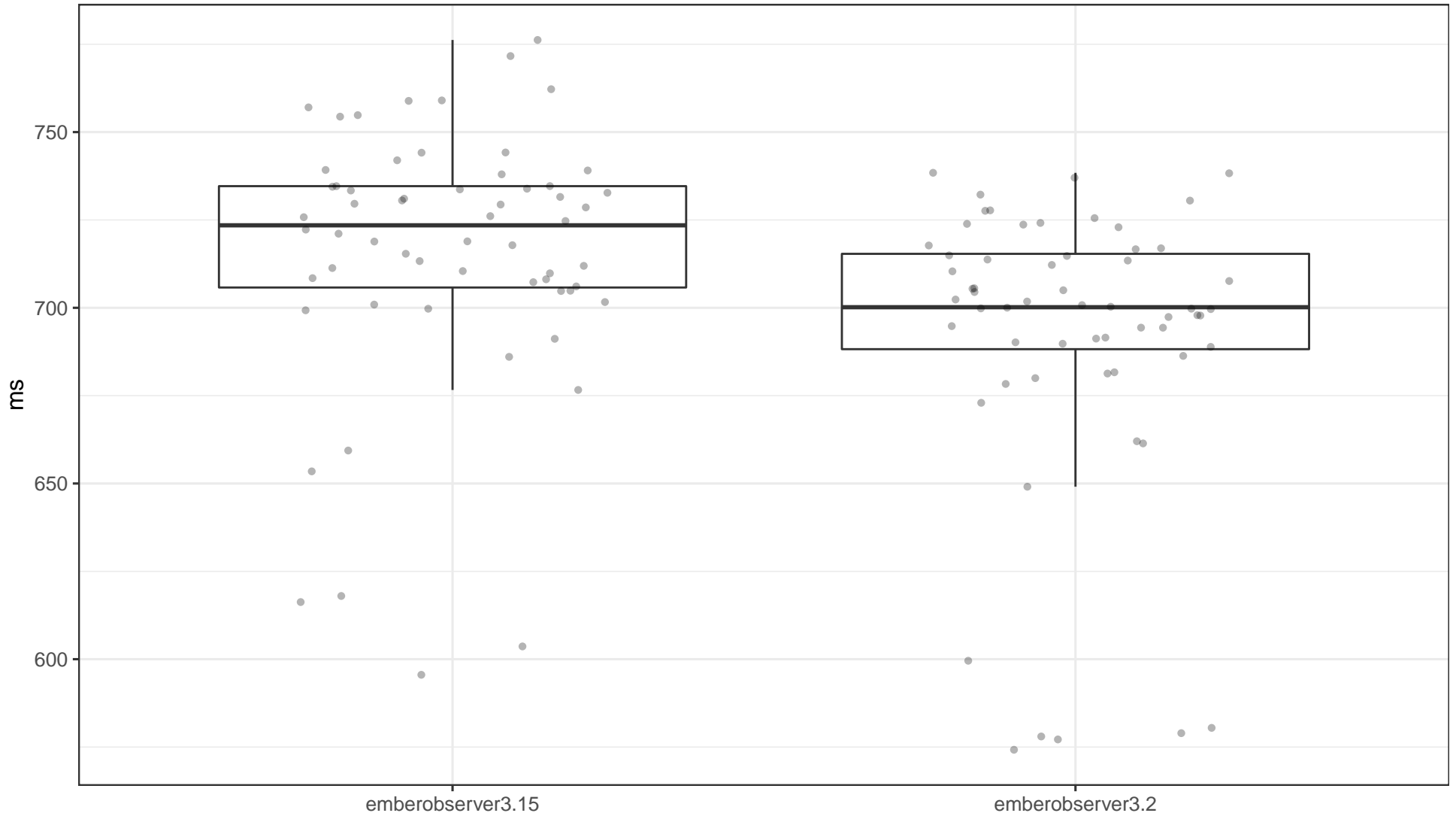


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %17.32 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +6.95ms, with a %95 confidence it is between -2.88ms and +18.88ms.

Test emberobserver3.15 JS Samples Against emberobserver3.2 JS Samples

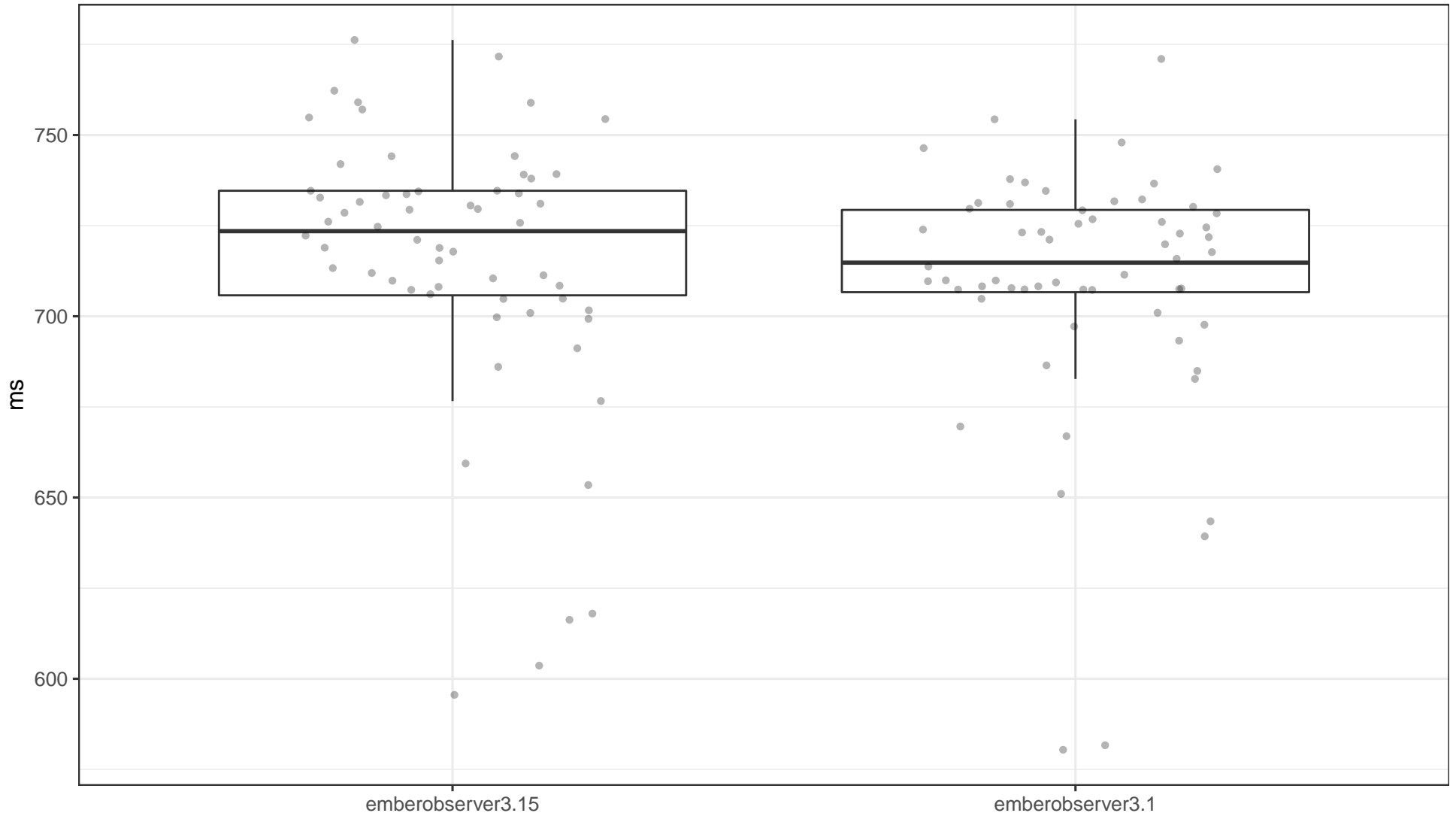


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +21.18ms, with a %95 confidence it is between +11.91ms and +31.21ms.

Test emberobserver3.15 JS Samples Against emberobserver3.1 JS Samples

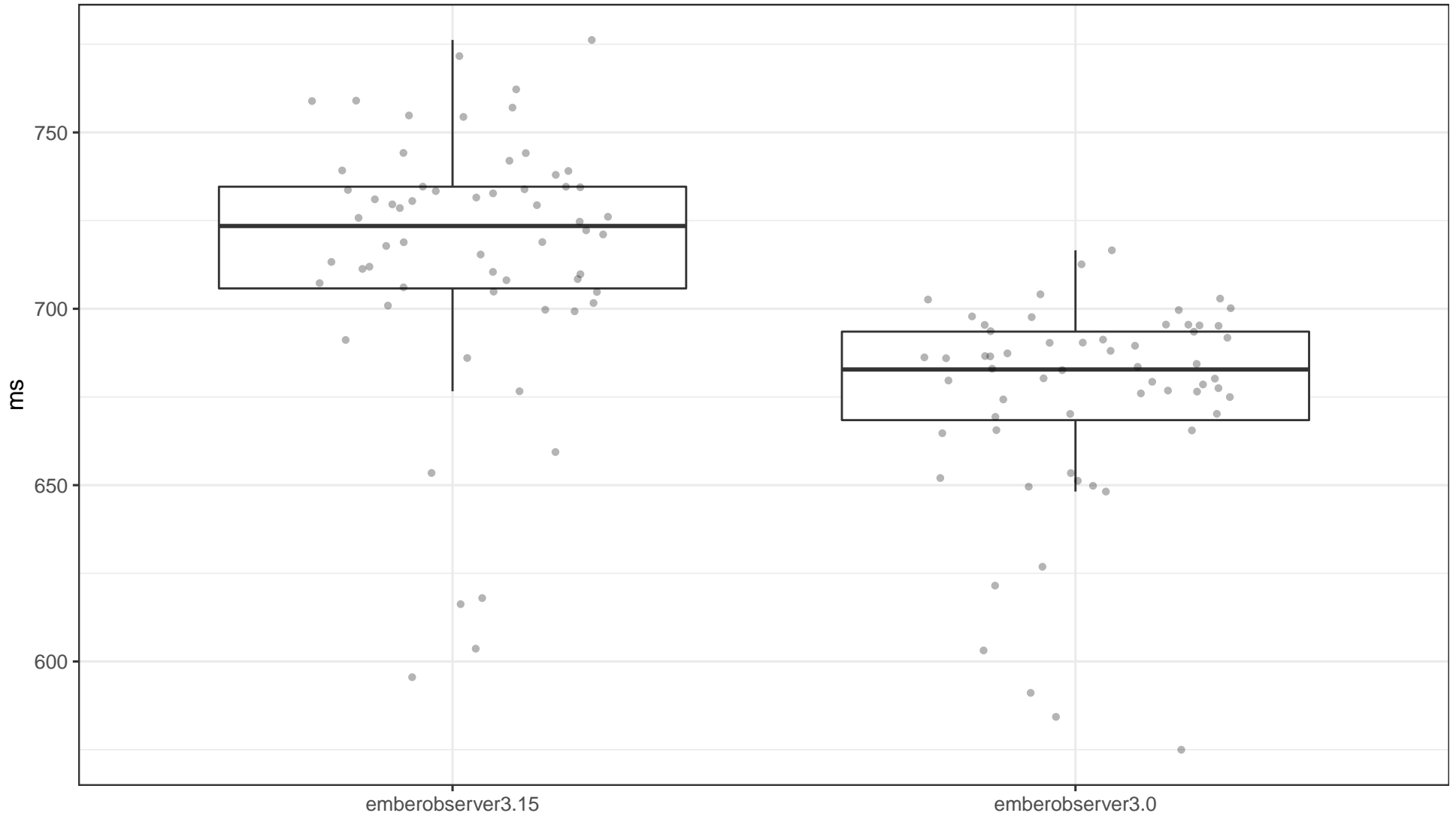


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %11.12 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +6.59ms, with a %95 confidence it is between -1.67ms and +16.10ms.

Test emberobserver3.15 JS Samples Against emberobserver3.0 JS Samples

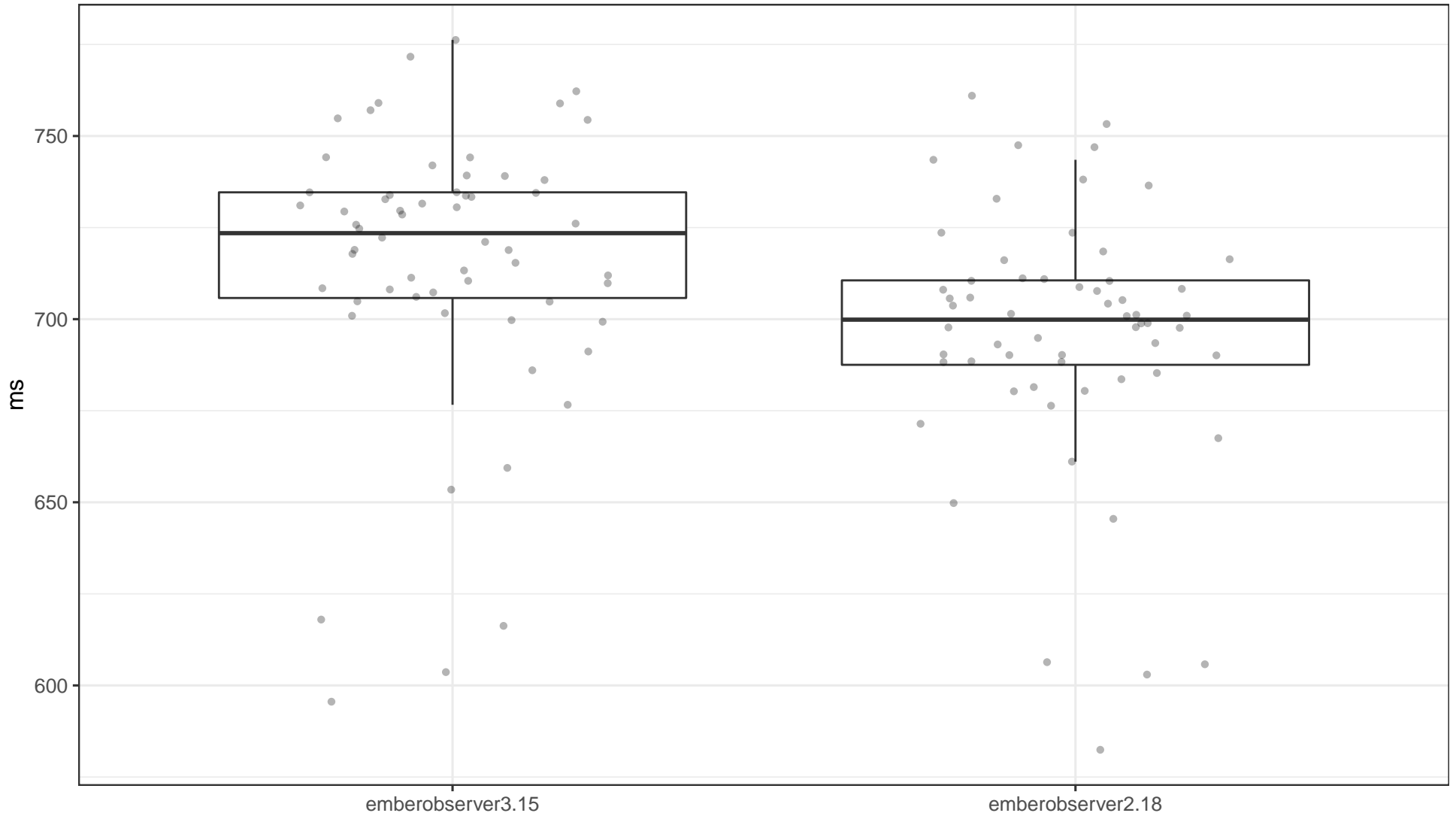


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +41.78ms, with a %95 confidence it is between +33.66ms and +50.71ms.

Test emberobserver3.15 JS Samples Against emberobserver2.18 JS Samples

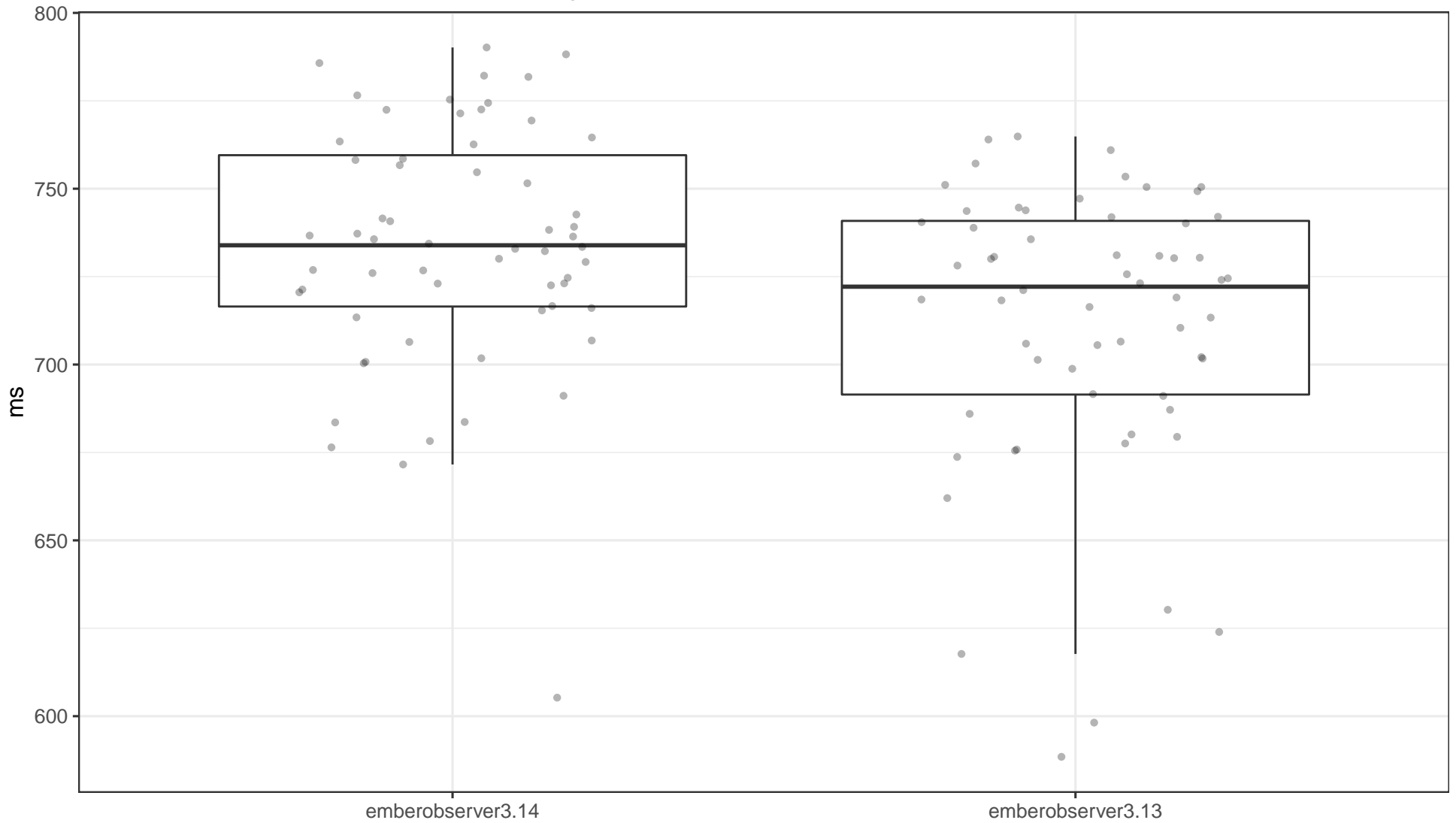


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +22.37ms, with a %95 confidence it is between +12.59ms and +31.23ms.

Test emberobserver3.14 JS Samples Against emberobserver3.13 JS Samples

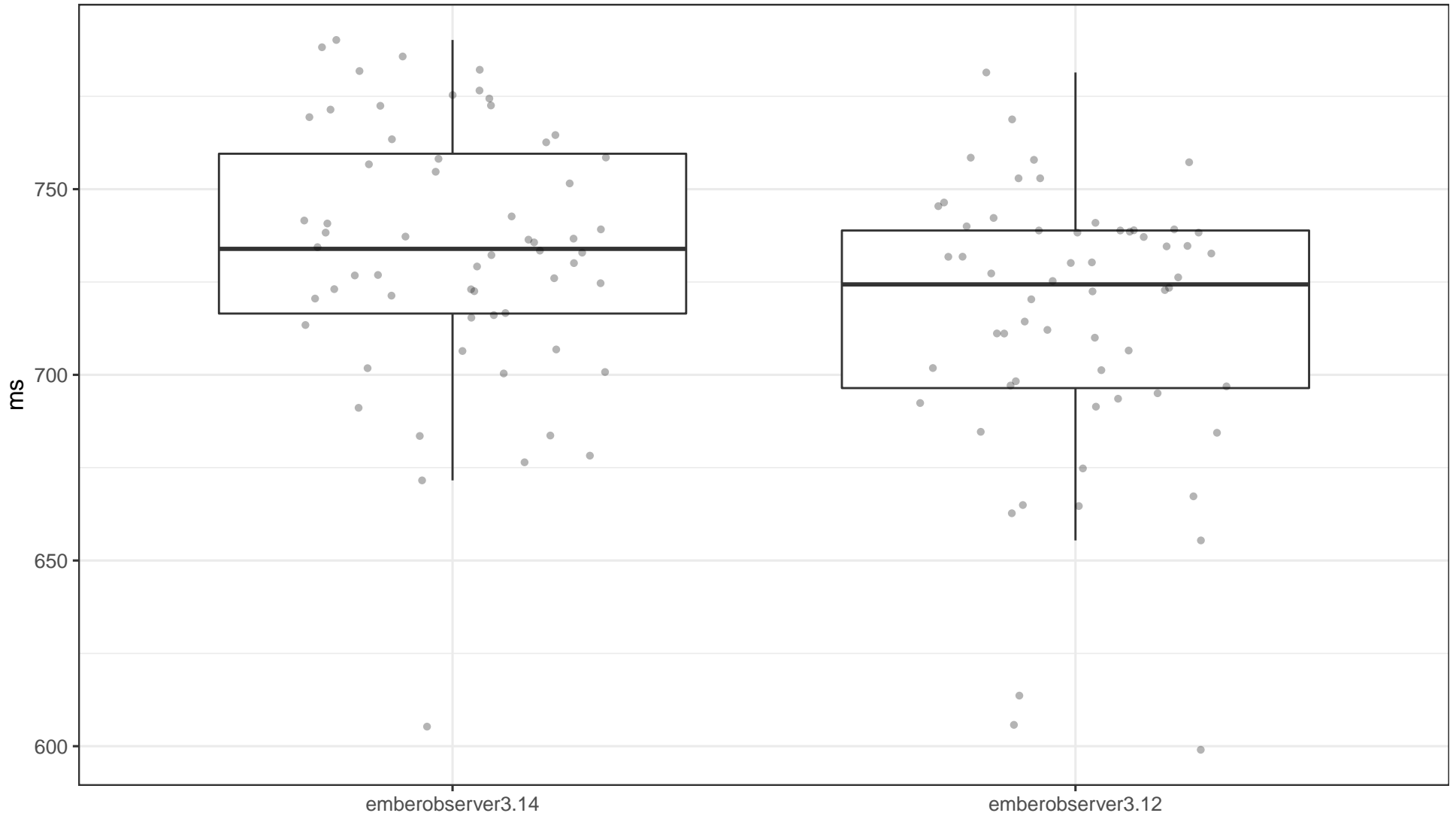


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.39 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +18.61ms, with a %95 confidence it is between +6.16ms and +31.56ms.

Test emberobserver3.14 JS Samples Against emberobserver3.12 JS Samples

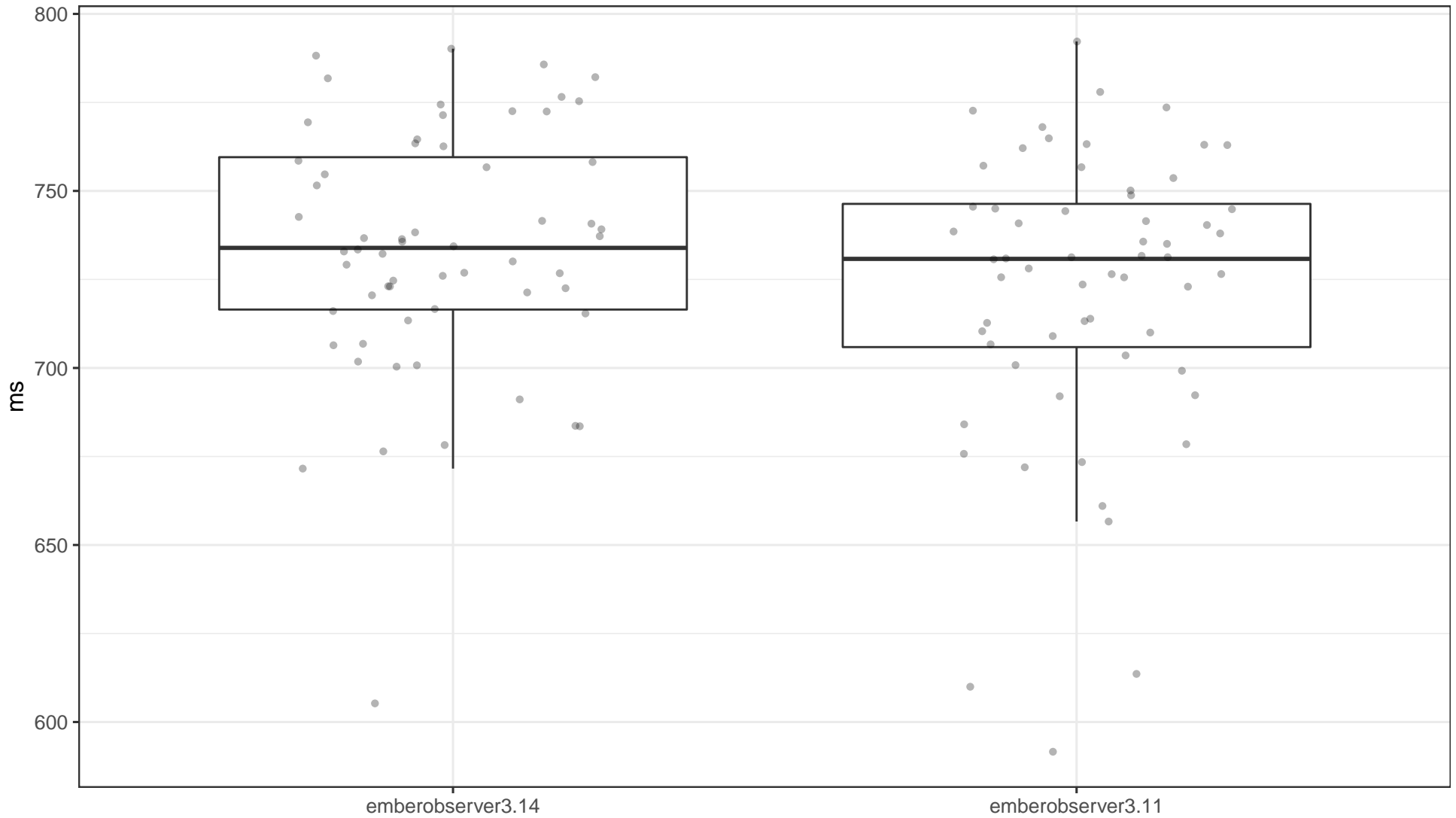


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.85 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +17.19ms, with a %95 confidence it is between +3.93ms and +30.32ms.

Test emberobserver3.14 JS Samples Against emberobserver3.11 JS Samples

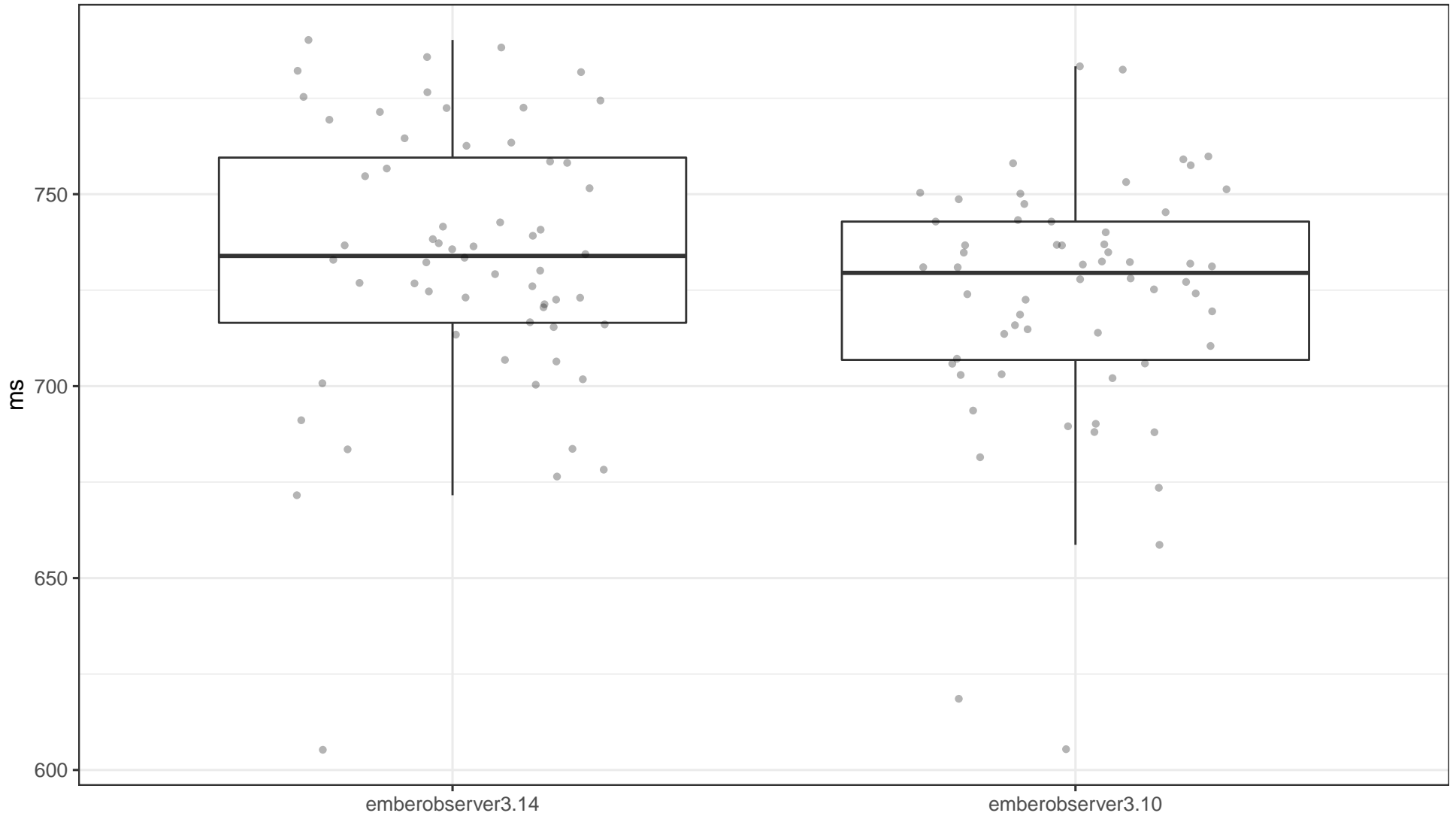


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %18.33 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +8.53ms, with a %95 confidence it is between -3.70ms and +21.95ms.

Test emberobserver3.14 JS Samples Against emberobserver3.10 JS Samples

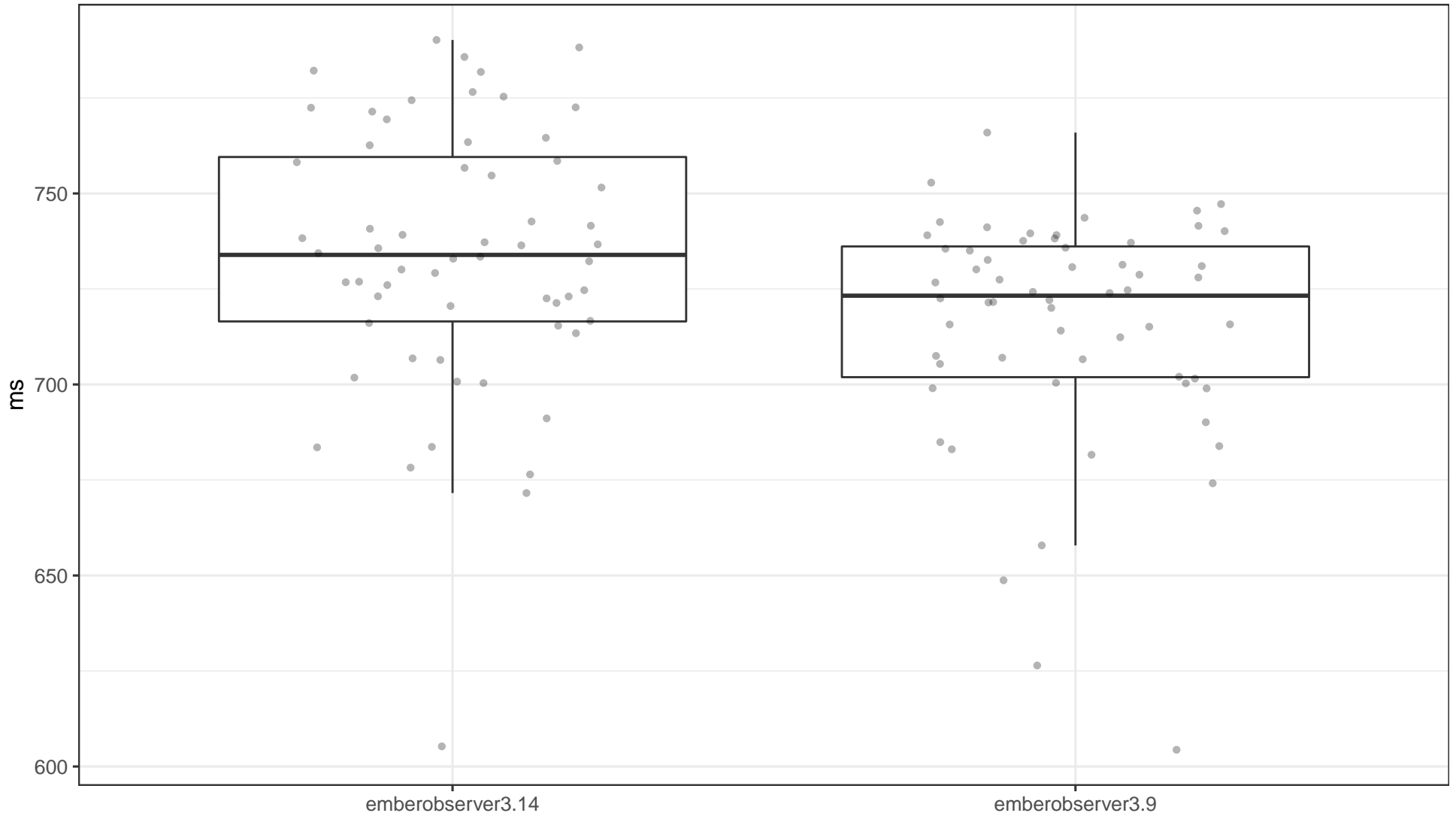


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %8.66 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +9.74ms, with a %95 confidence it is between -1.17ms and +21.97ms.

Test emberobserver3.14 JS Samples Against emberobserver3.9 JS Samples

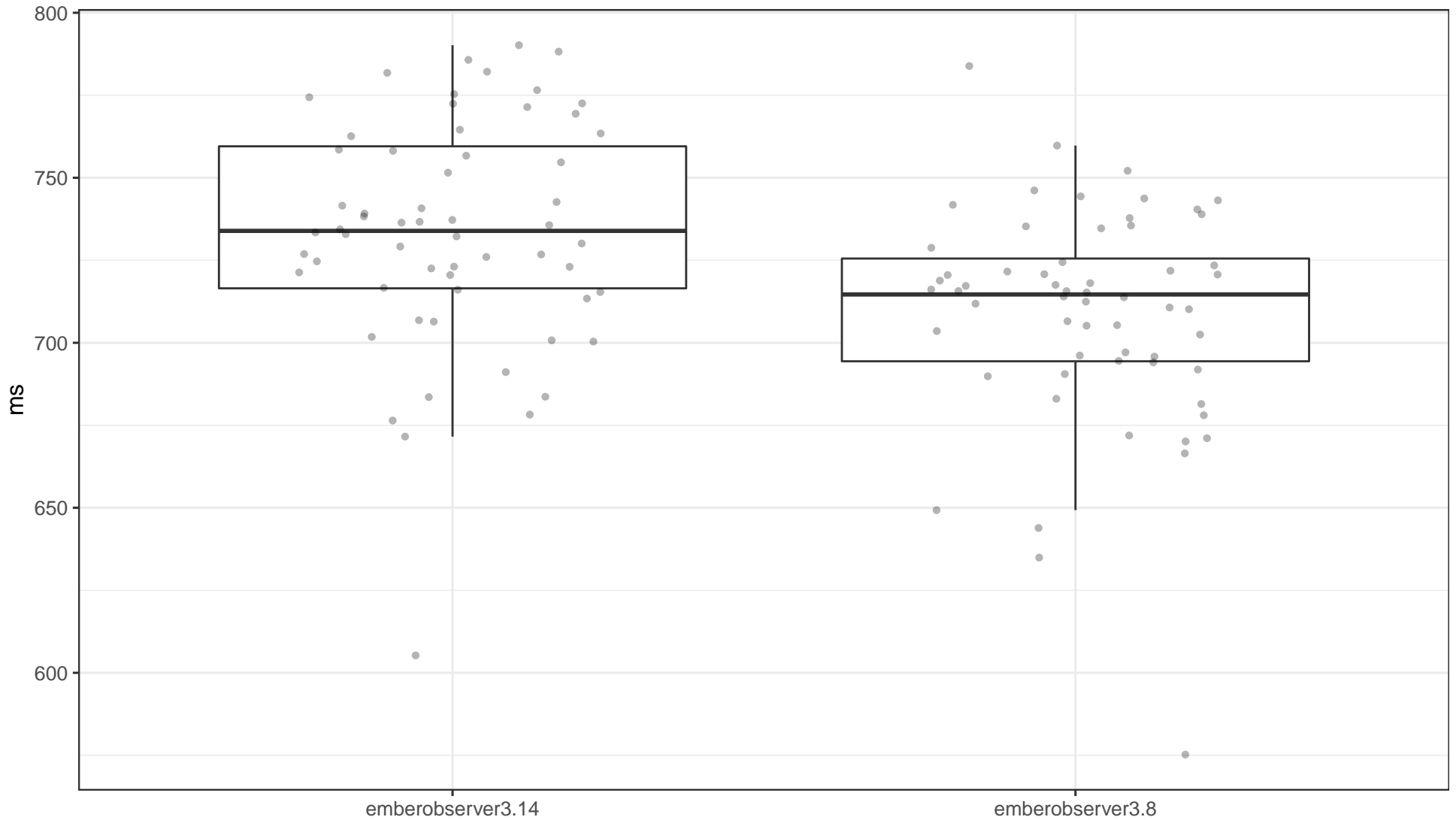


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.36 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +16.64ms, with a %95 confidence it is between +5.06ms and +28.58ms.

Test emberobserver3.14 JS Samples Against emberobserver3.8 JS Samples

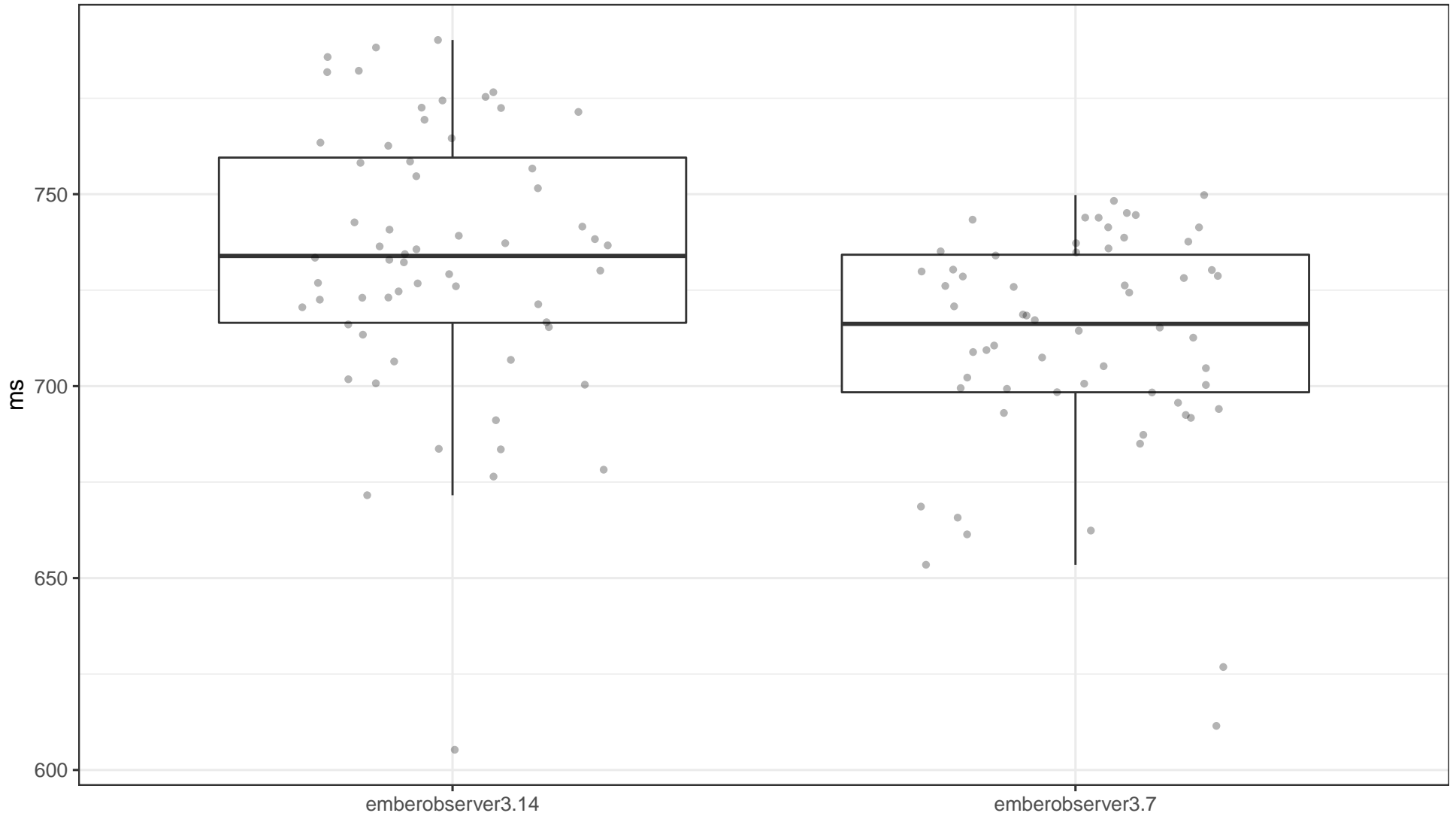


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +23.51ms, with a %95 confidence it is between +12.96ms and +35.89ms.

Test emberobserver3.14 JS Samples Against emberobserver3.7 JS Samples

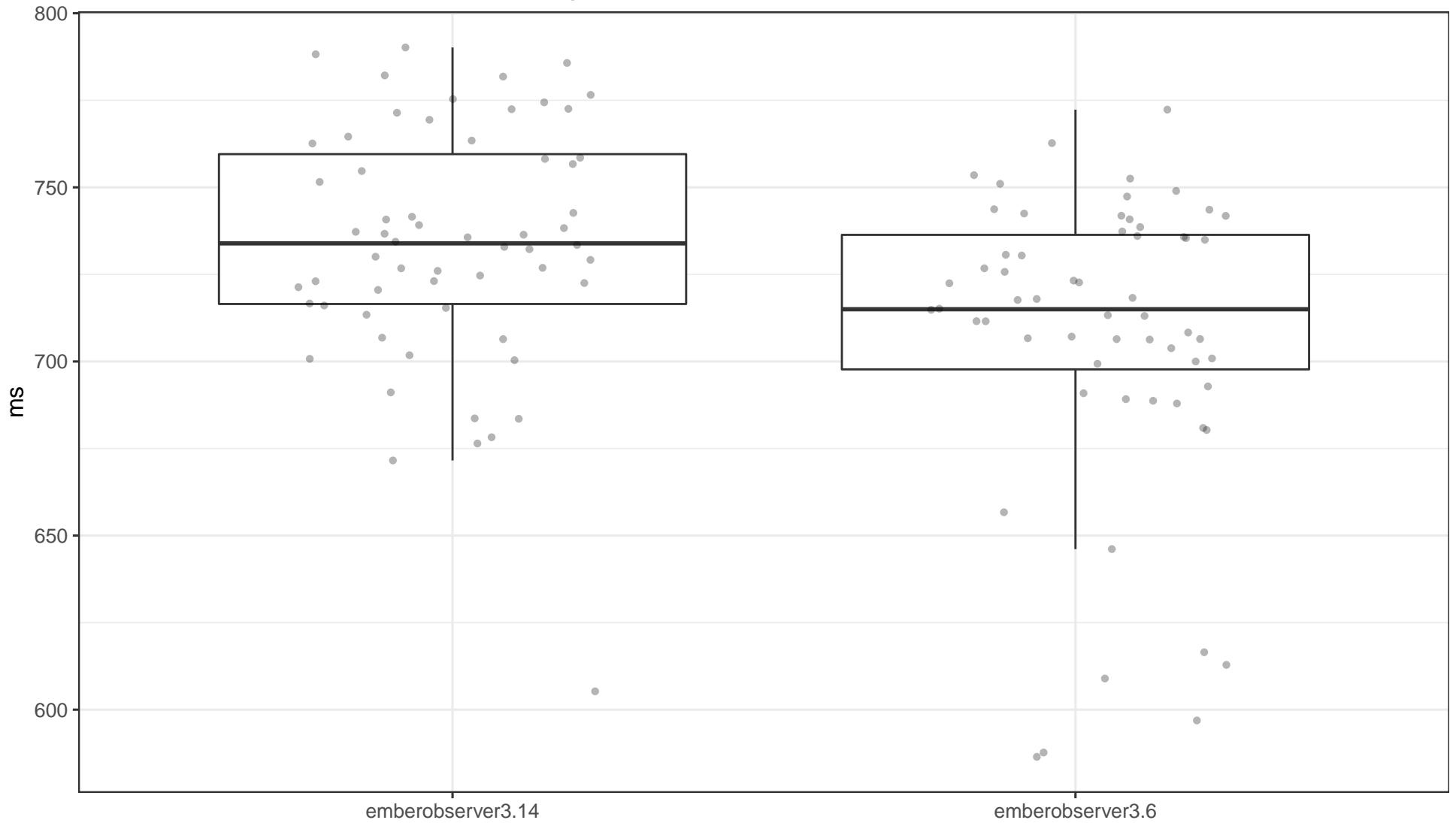


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.03 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +22.21ms, with a %95 confidence it is between +10.40ms and +32.95ms.

Test emberobserver3.14 JS Samples Against emberobserver3.6 JS Samples

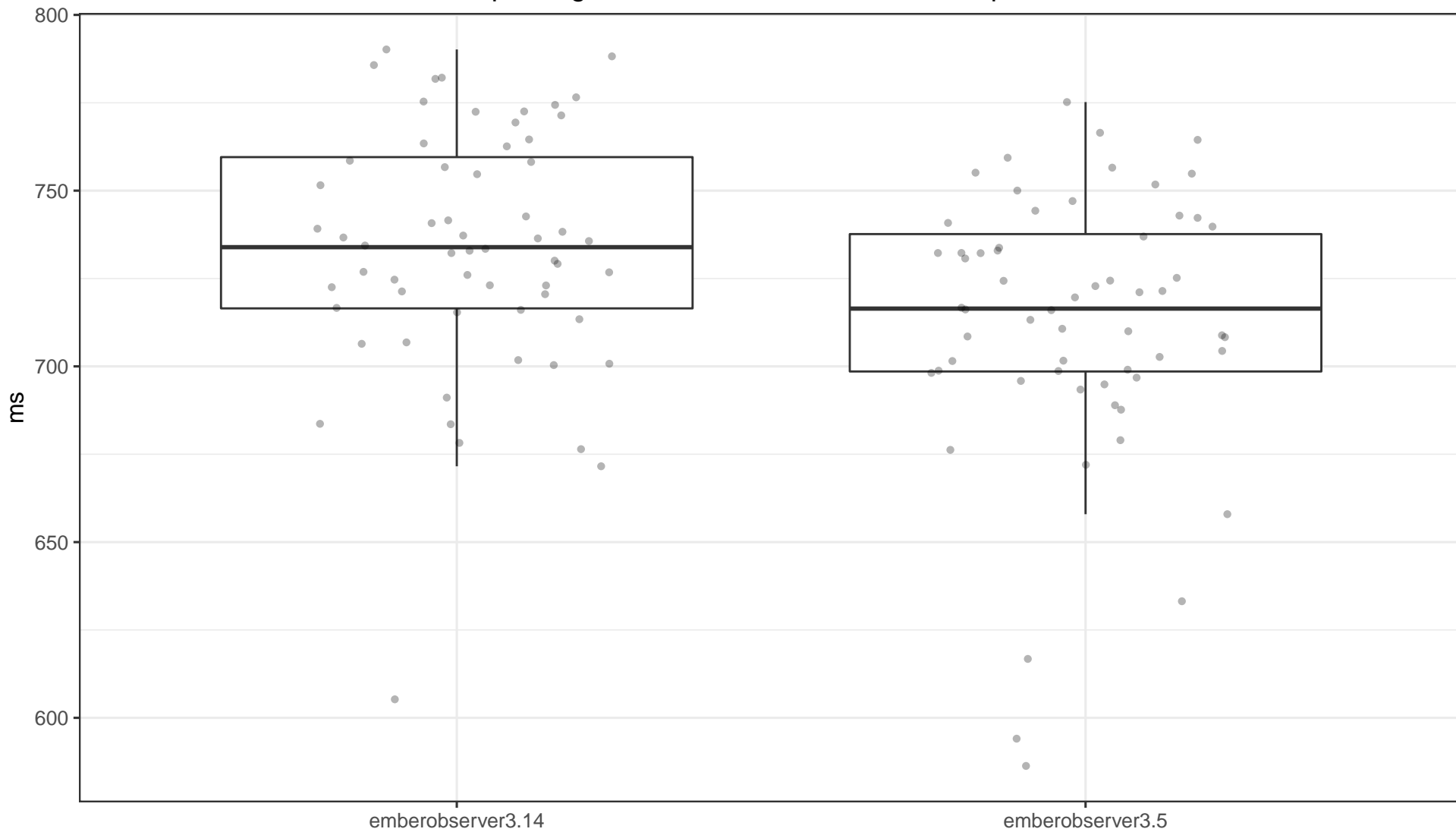


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.07 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +21.32ms, with a %95 confidence it is between +9.75ms and +33.35ms.

Test emberobserver3.14 JS Samples Against emberobserver3.5 JS Samples

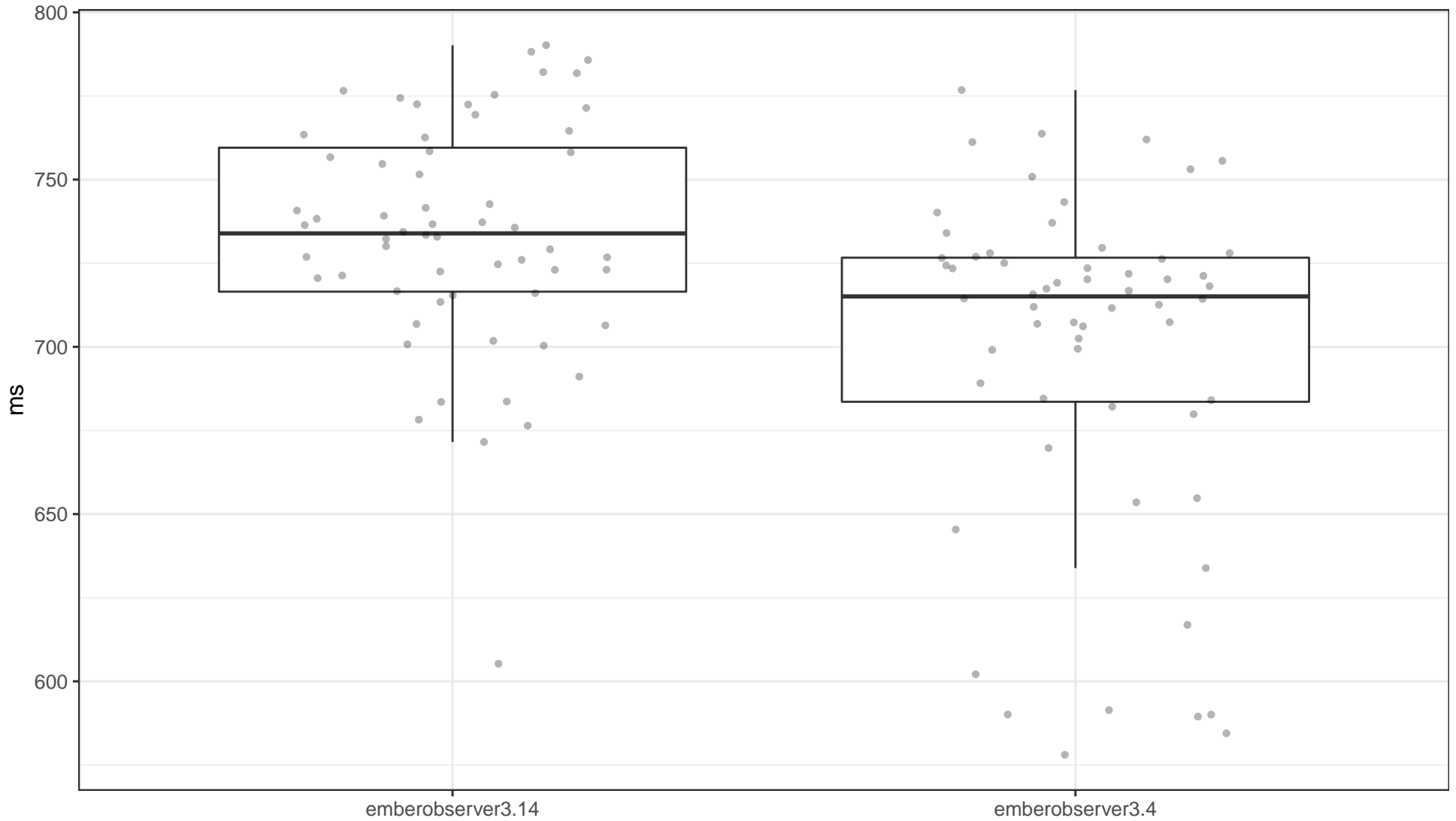


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.18 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +19.15ms, with a %95 confidence it is between +7.24ms and +30.50ms.

Test emberobserver3.14 JS Samples Against emberobserver3.4 JS Samples

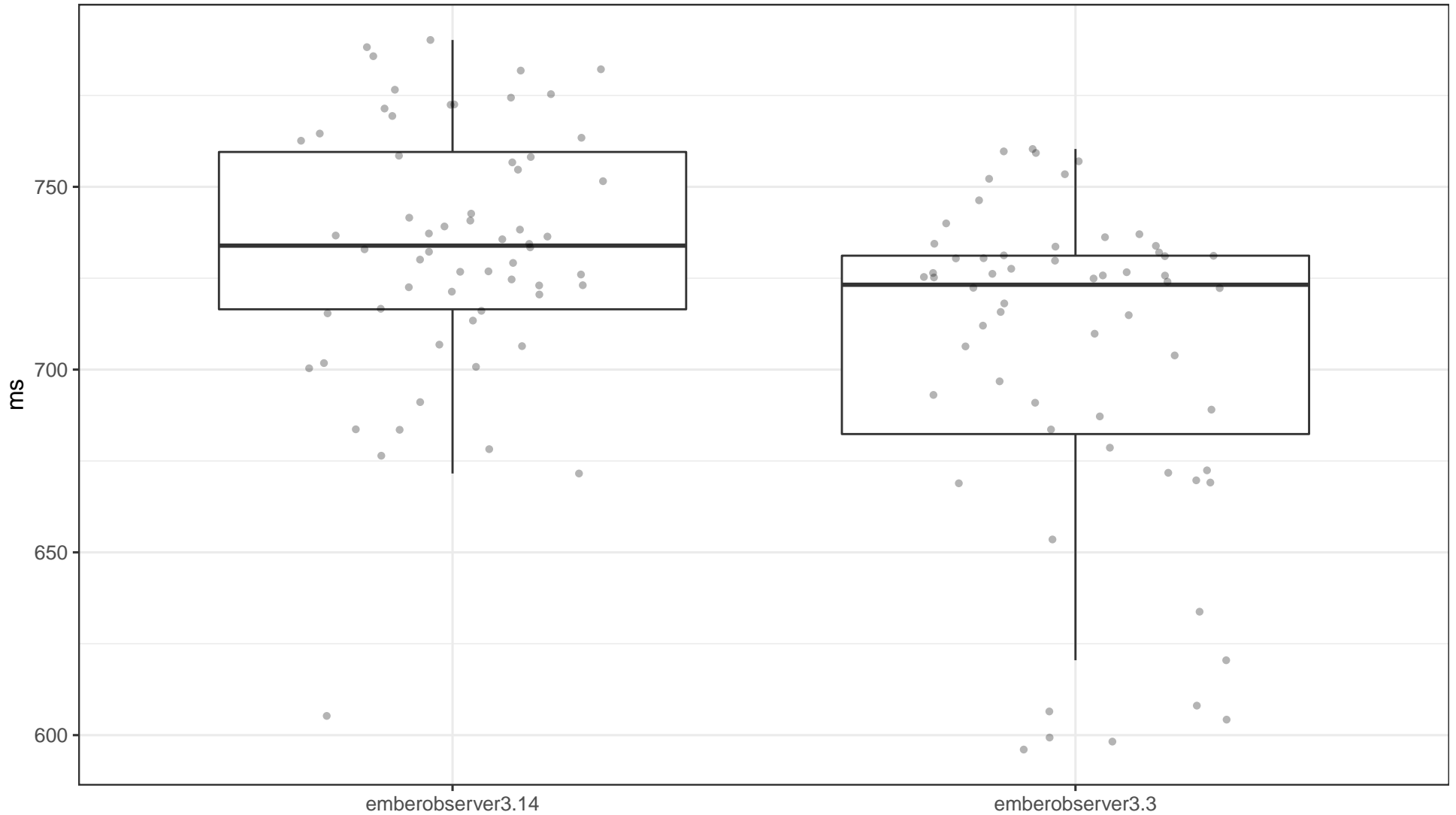


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +26.08ms, with a %95 confidence it is between +13.70ms and +42.21ms.

Test emberobserver3.14 JS Samples Against emberobserver3.3 JS Samples

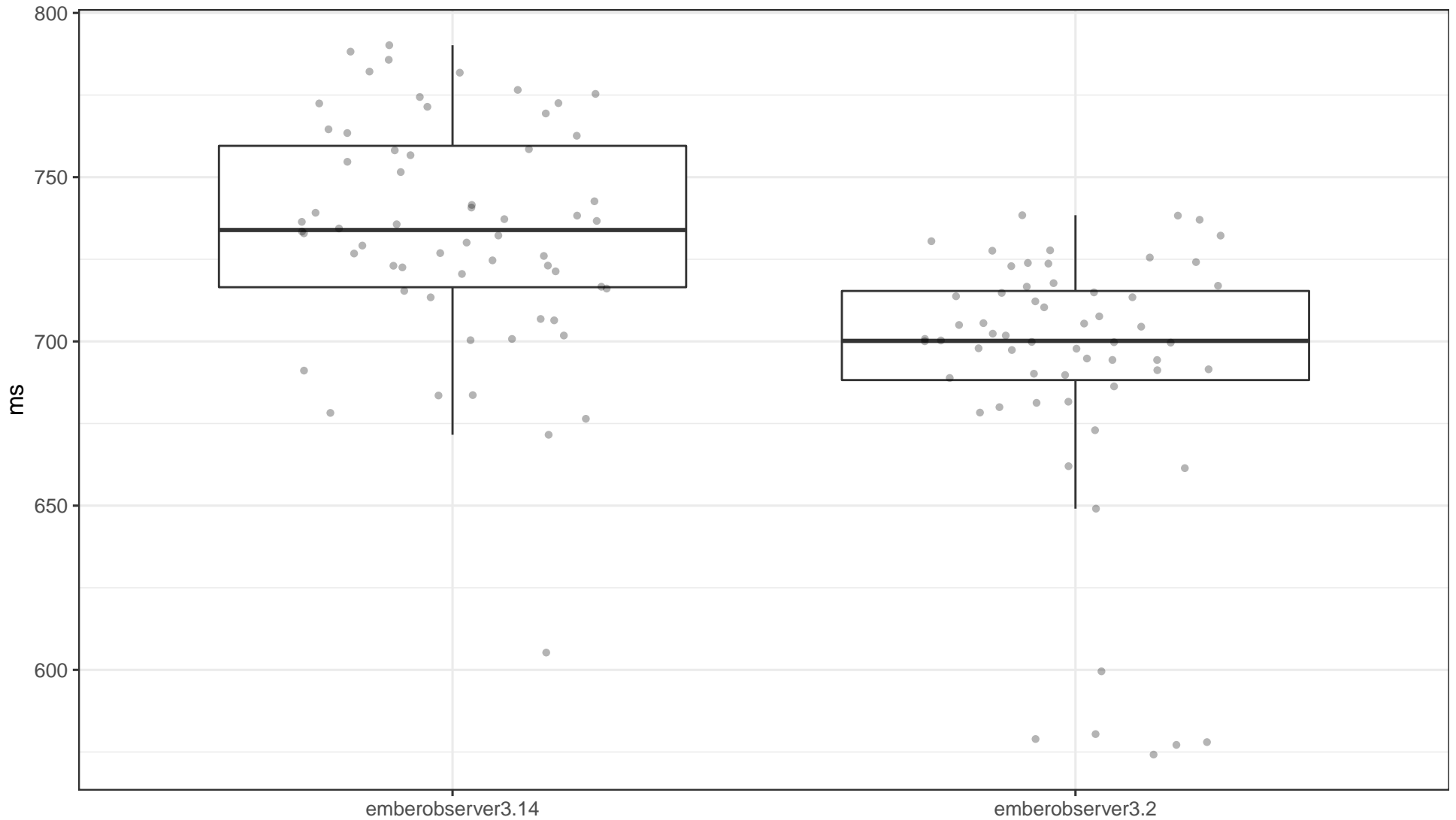


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.02 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +24.56ms, with a %95 confidence it is between +10.04ms and +39.15ms.

Test emberobserver3.14 JS Samples Against emberobserver3.2 JS Samples

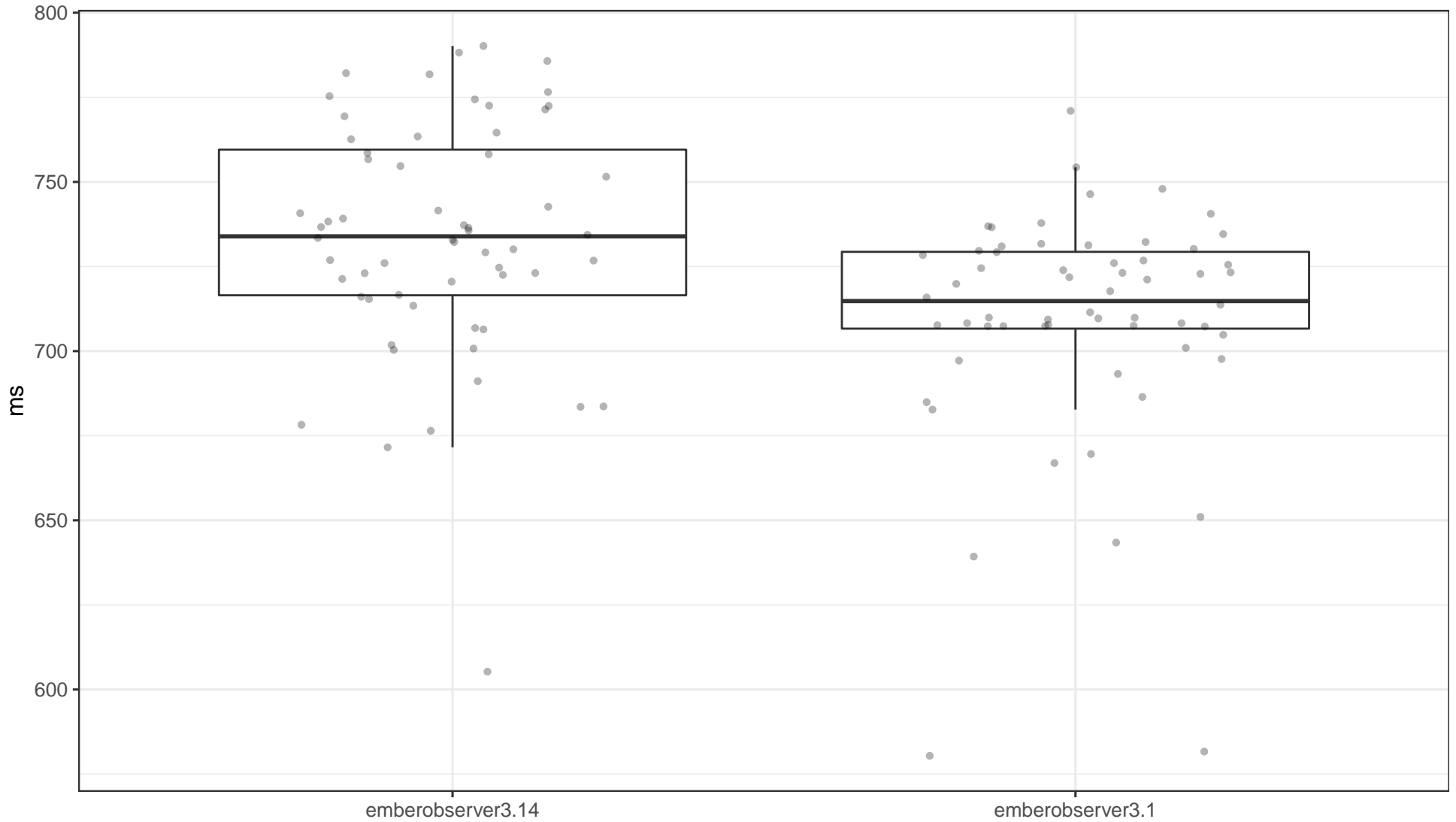


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +36.22ms, with a %95 confidence it is between +25.82ms and +47.68ms.

Test emberobserver3.14 JS Samples Against emberobserver3.1 JS Samples

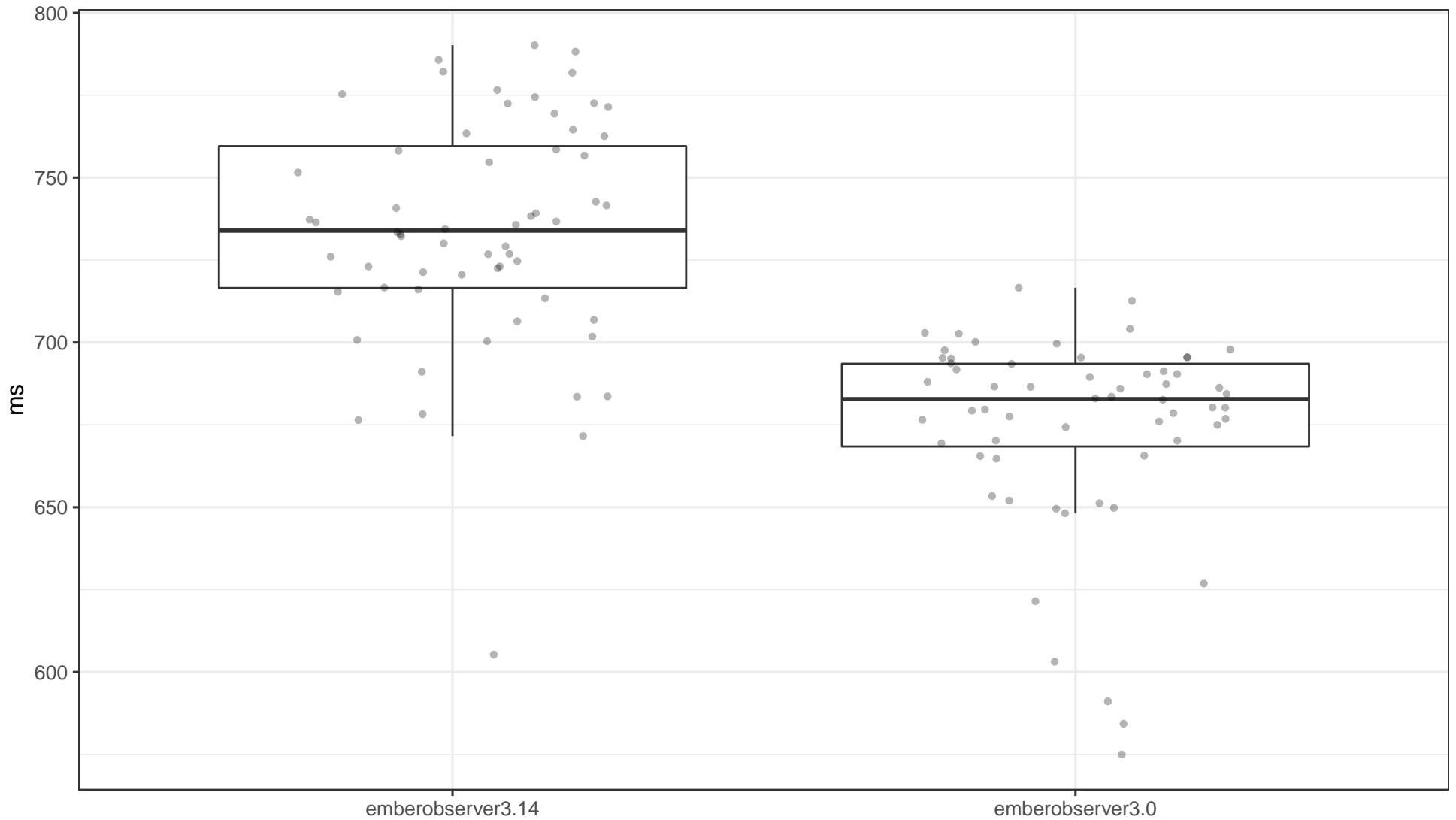


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.01 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +21.58ms, with a %95 confidence it is between +10.97ms and +32.50ms.

Test emberobserver3.14 JS Samples Against emberobserver3.0 JS Samples

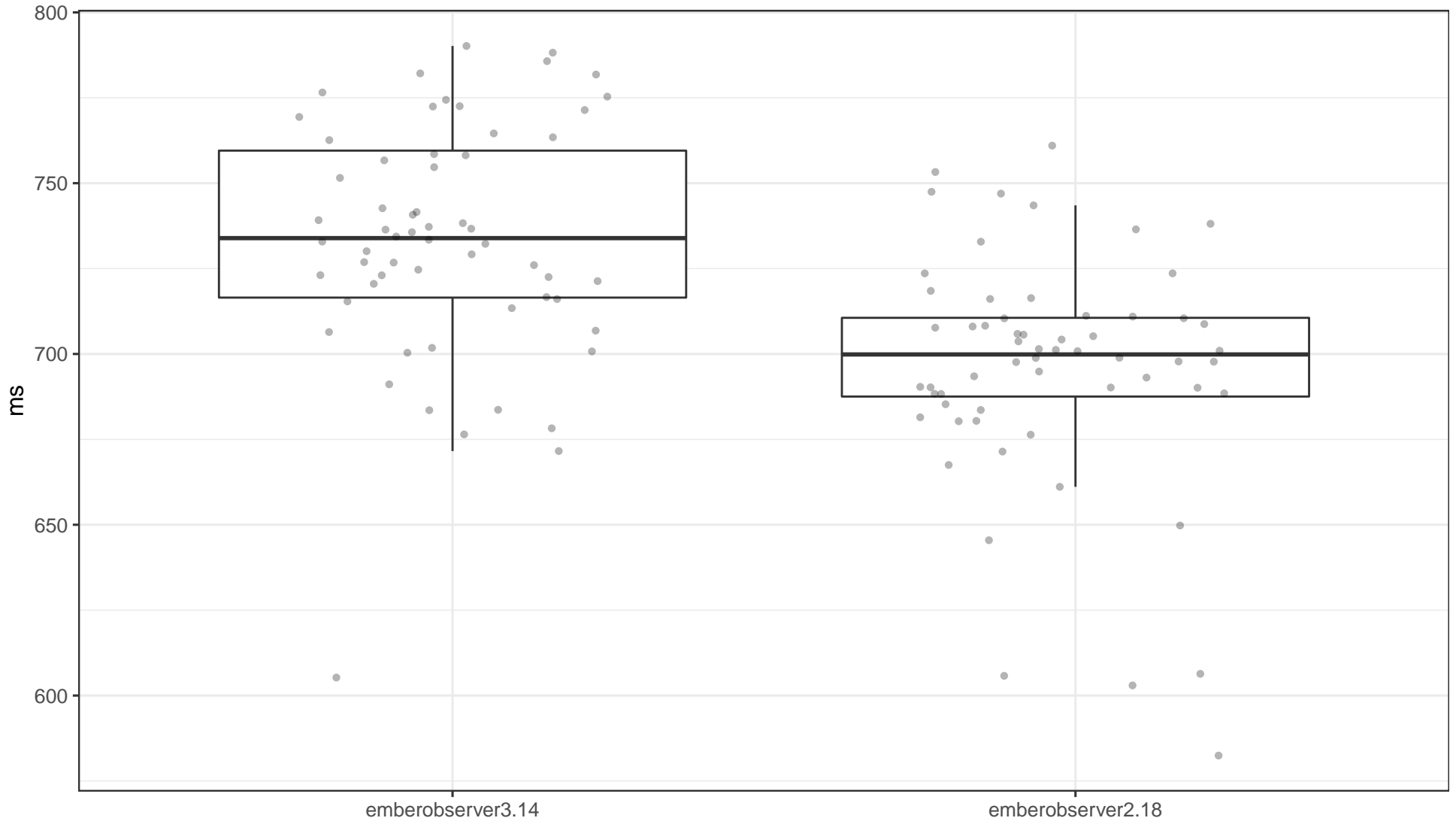


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +56.39ms, with a %95 confidence it is between +46.07ms and +68.72ms.

Test emberobserver3.14 JS Samples Against emberobserver2.18 JS Samples

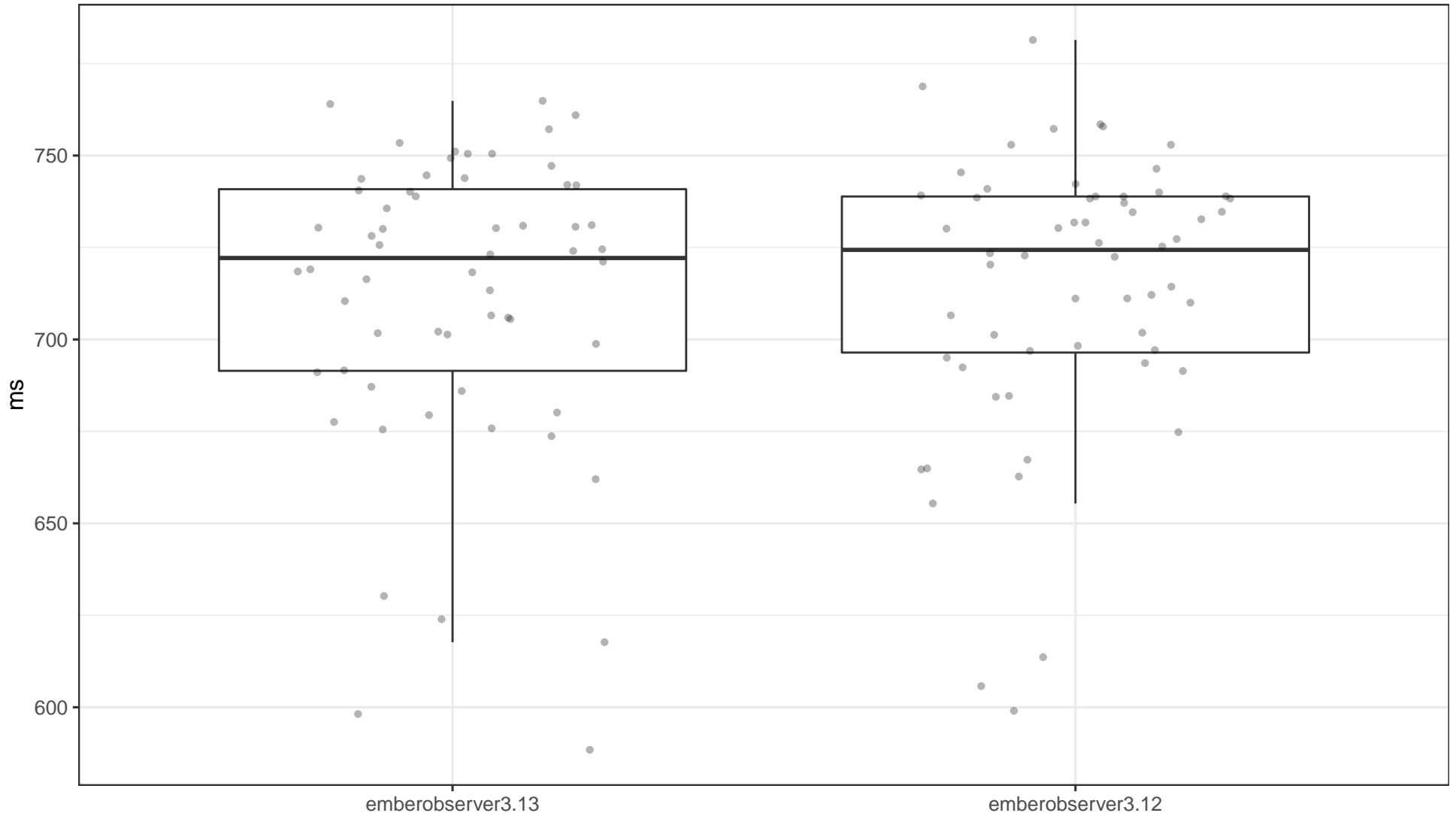


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +35.54ms, with a %95 confidence it is between +25.80ms and +47.33ms.

Test emberobserver3.13 JS Samples Against emberobserver3.12 JS Samples

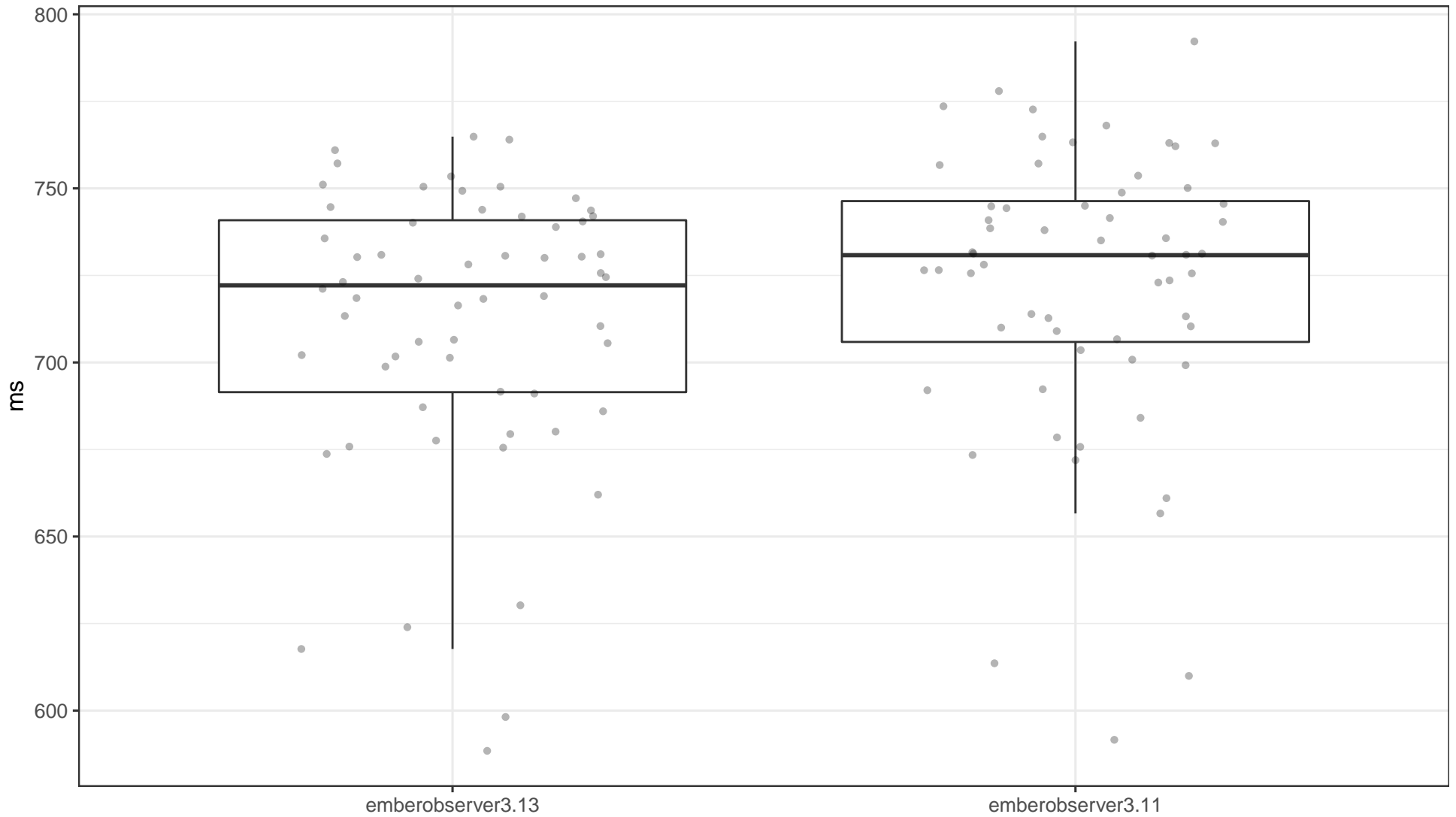


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %88.11 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -0.96ms , with a %95 confidence it is between -12.72ms and $+10.24\text{ms}$.

Test emberobserver3.13 JS Samples Against emberobserver3.11 JS Samples

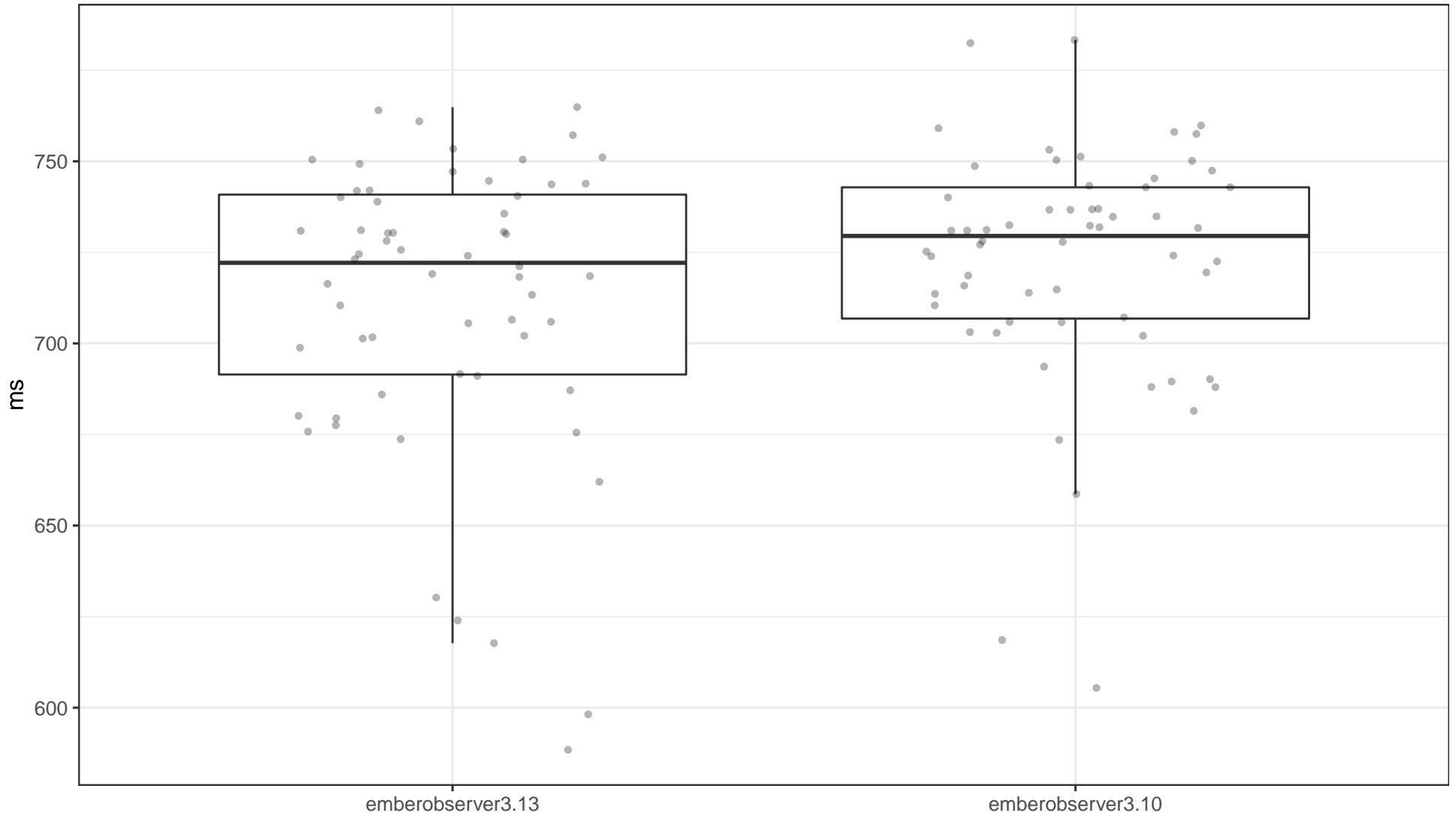


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %11.35 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -9.61ms , with a %95 confidence it is between -21.97ms and $+2.39\text{ms}$.

Test emberobserver3.13 JS Samples Against emberobserver3.10 JS Samples

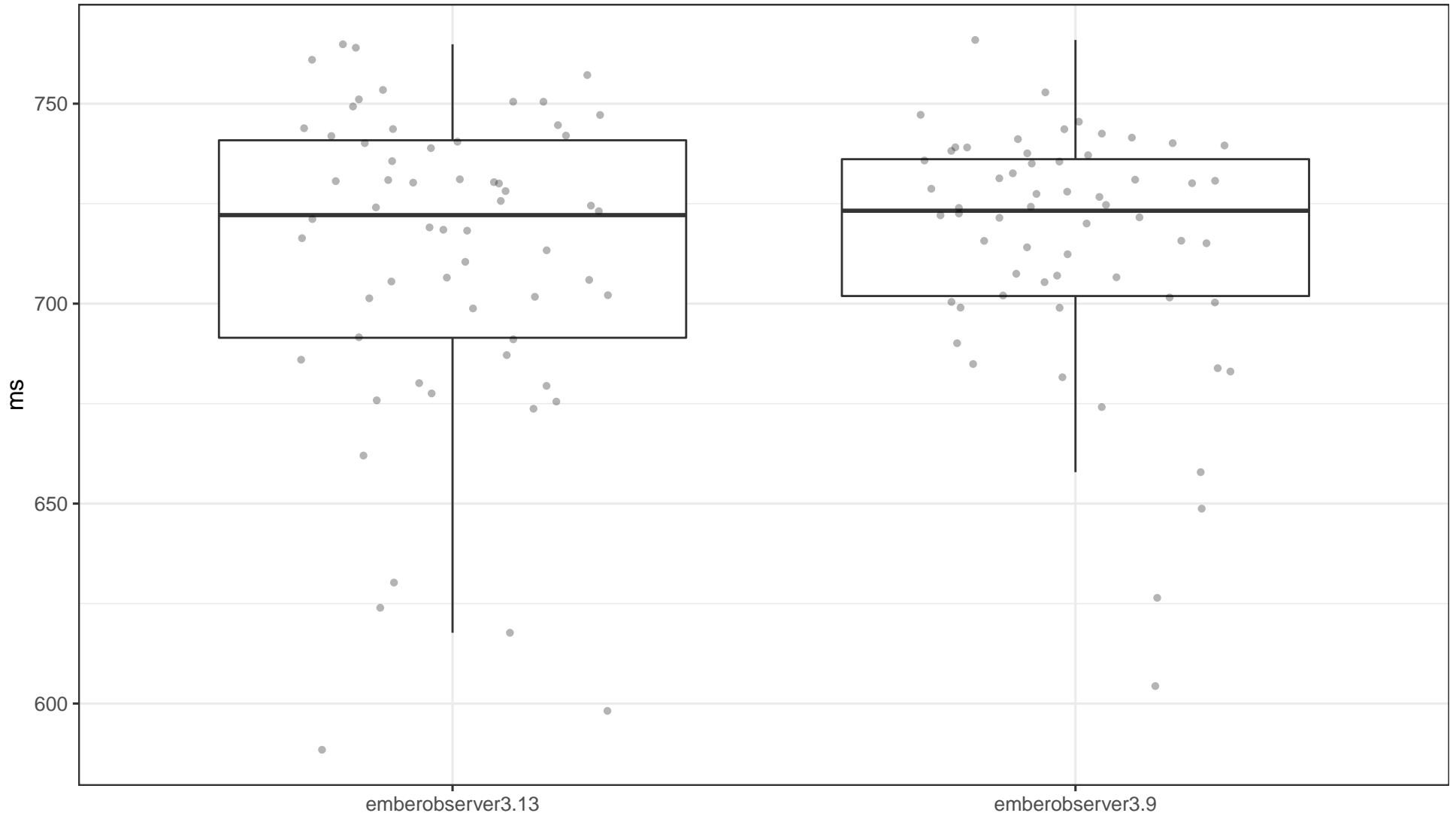


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %16.35 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -6.89ms , with a %95 confidence it is between -18.19ms and $+3.44\text{ms}$.

Test emberobserver3.13 JS Samples Against emberobserver3.9 JS Samples

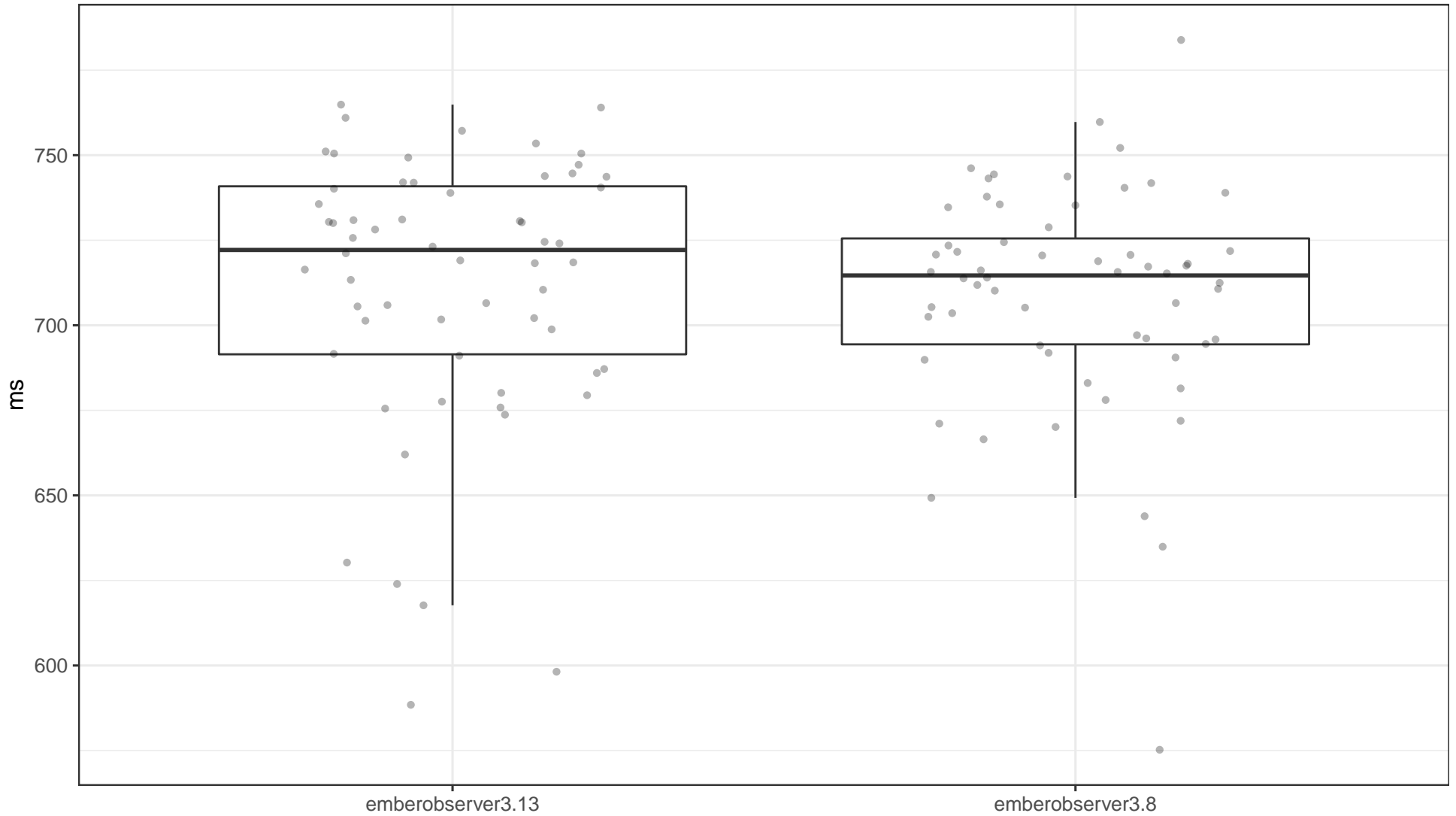


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %98.12 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -0.08ms , with a %95 confidence it is between -10.81ms and $+9.43\text{ms}$.

Test emberobserver3.13 JS Samples Against emberobserver3.8 JS Samples

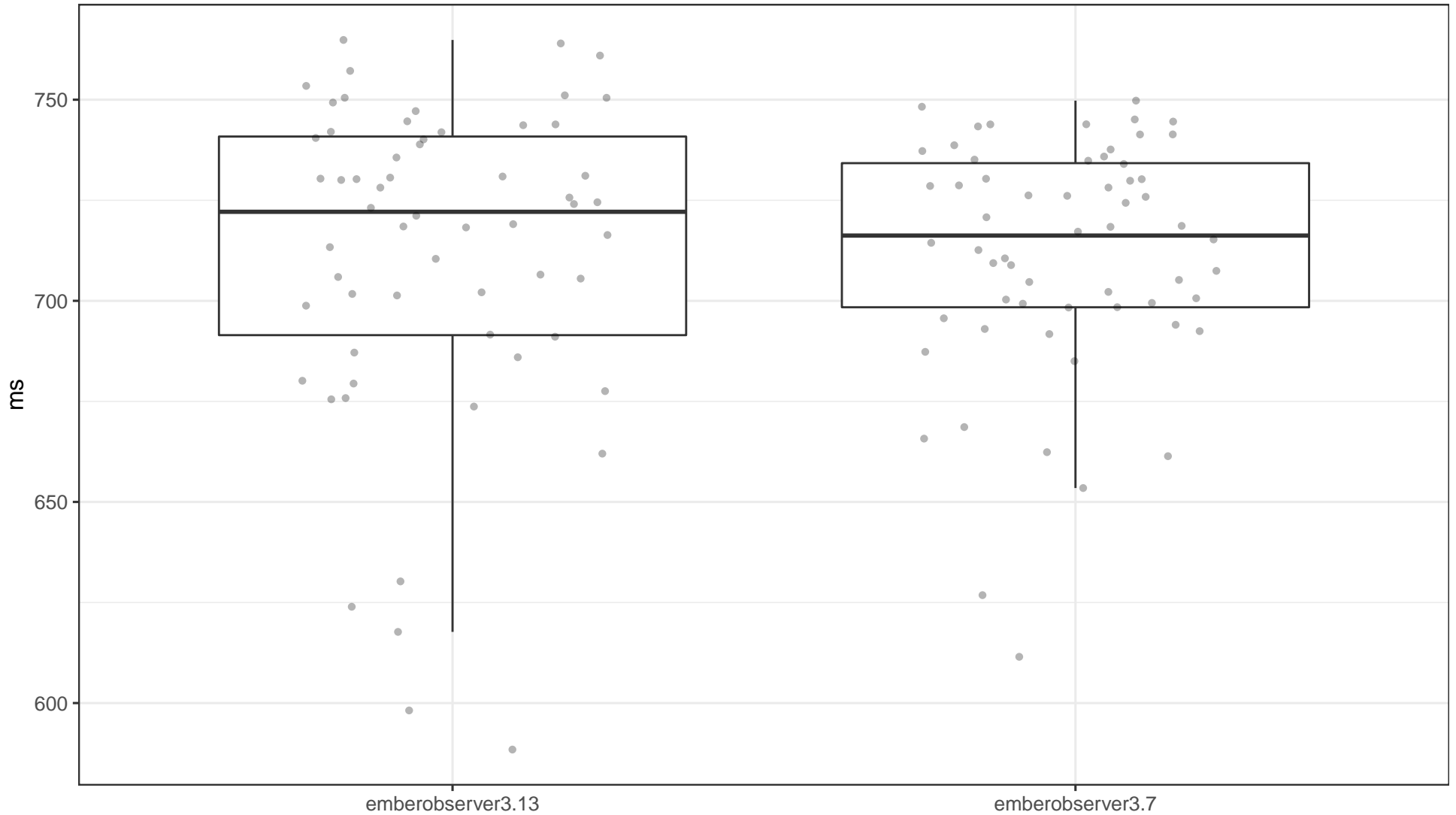


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %20.68 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +6.99ms, with a %95 confidence it is between -4.63ms and +17.79ms.

Test emberobserver3.13 JS Samples Against emberobserver3.7 JS Samples

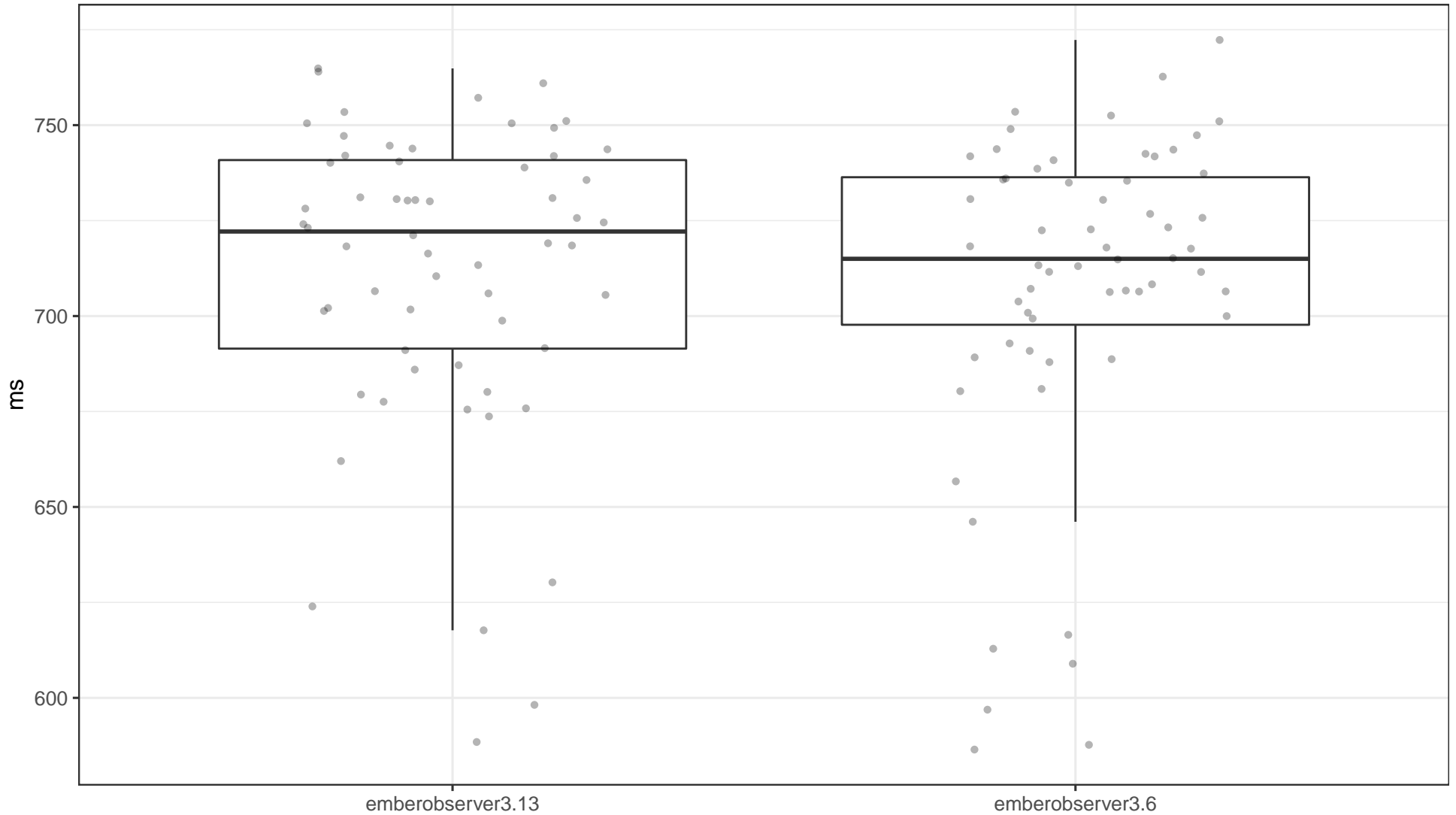


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %43.88 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +4.06ms, with a %95 confidence it is between -7.01ms and +14.24ms.

Test emberobserver3.13 JS Samples Against emberobserver3.6 JS Samples

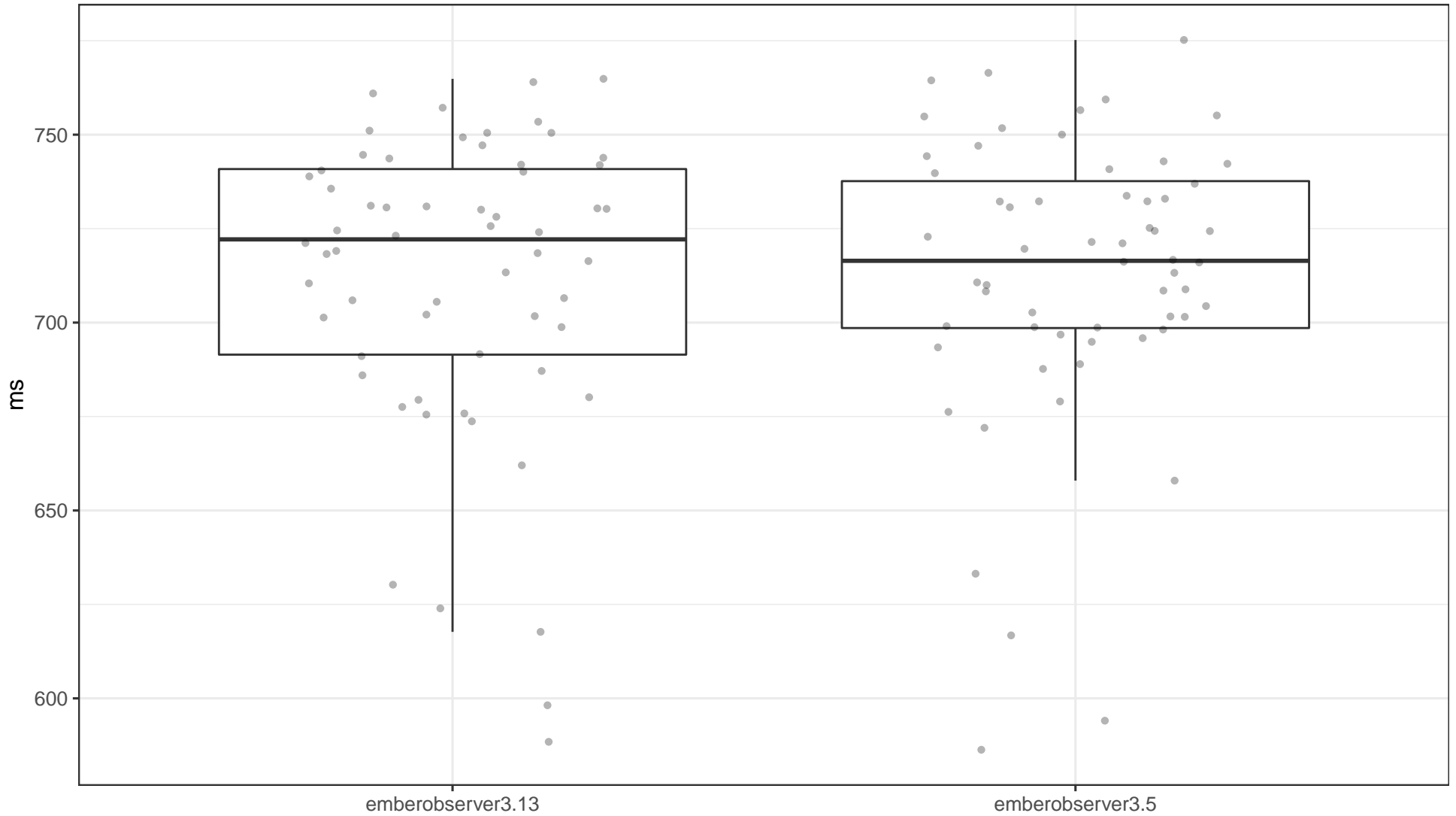


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %57.26 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +3.29ms, with a %95 confidence it is between -8.47ms and +14.90ms.

Test emberobserver3.13 JS Samples Against emberobserver3.5 JS Samples

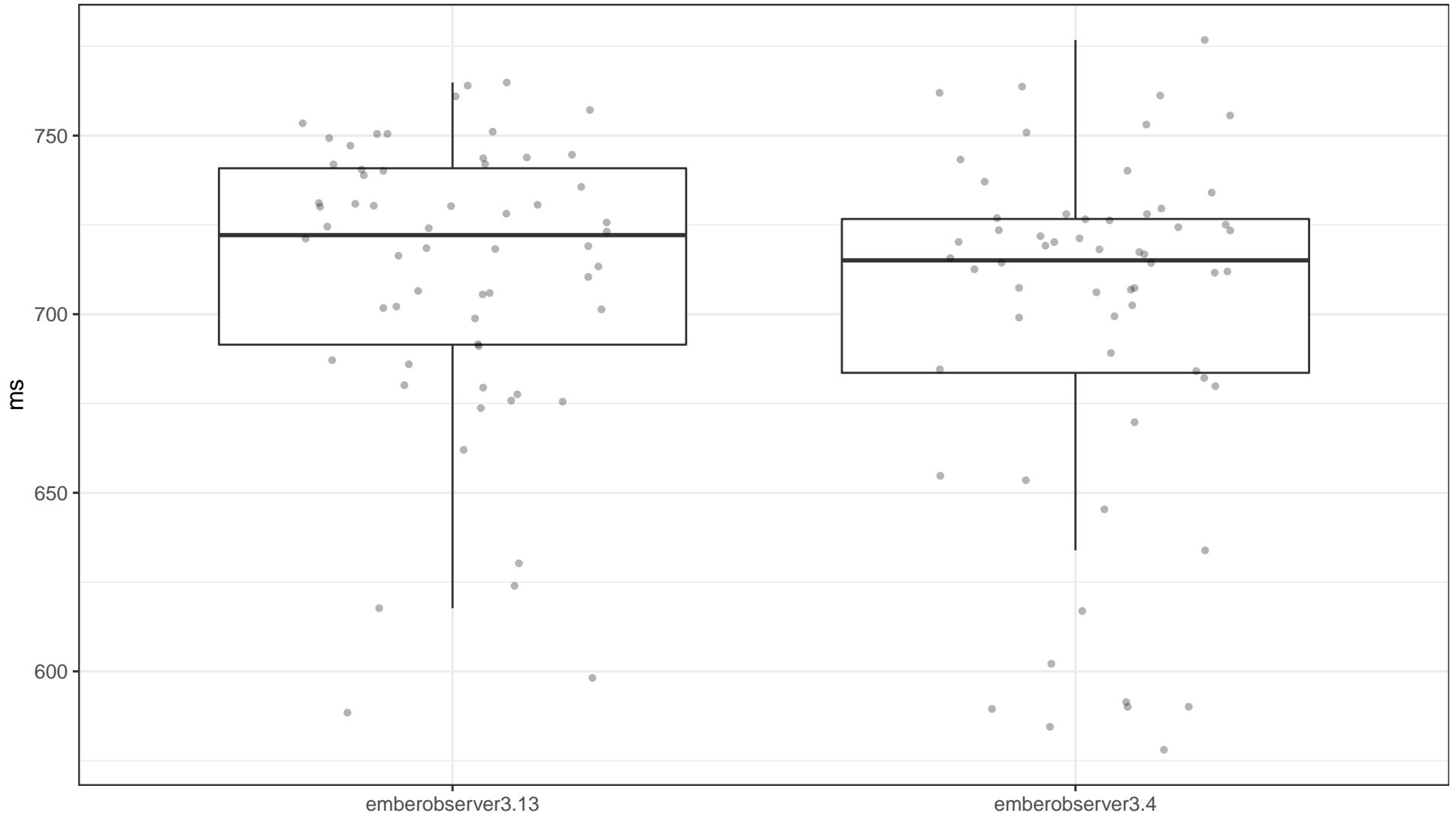


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %91.85 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +0.46ms, with a %95 confidence it is between -11.39ms and +12.32ms.

Test emberobserver3.13 JS Samples Against emberobserver3.4 JS Samples

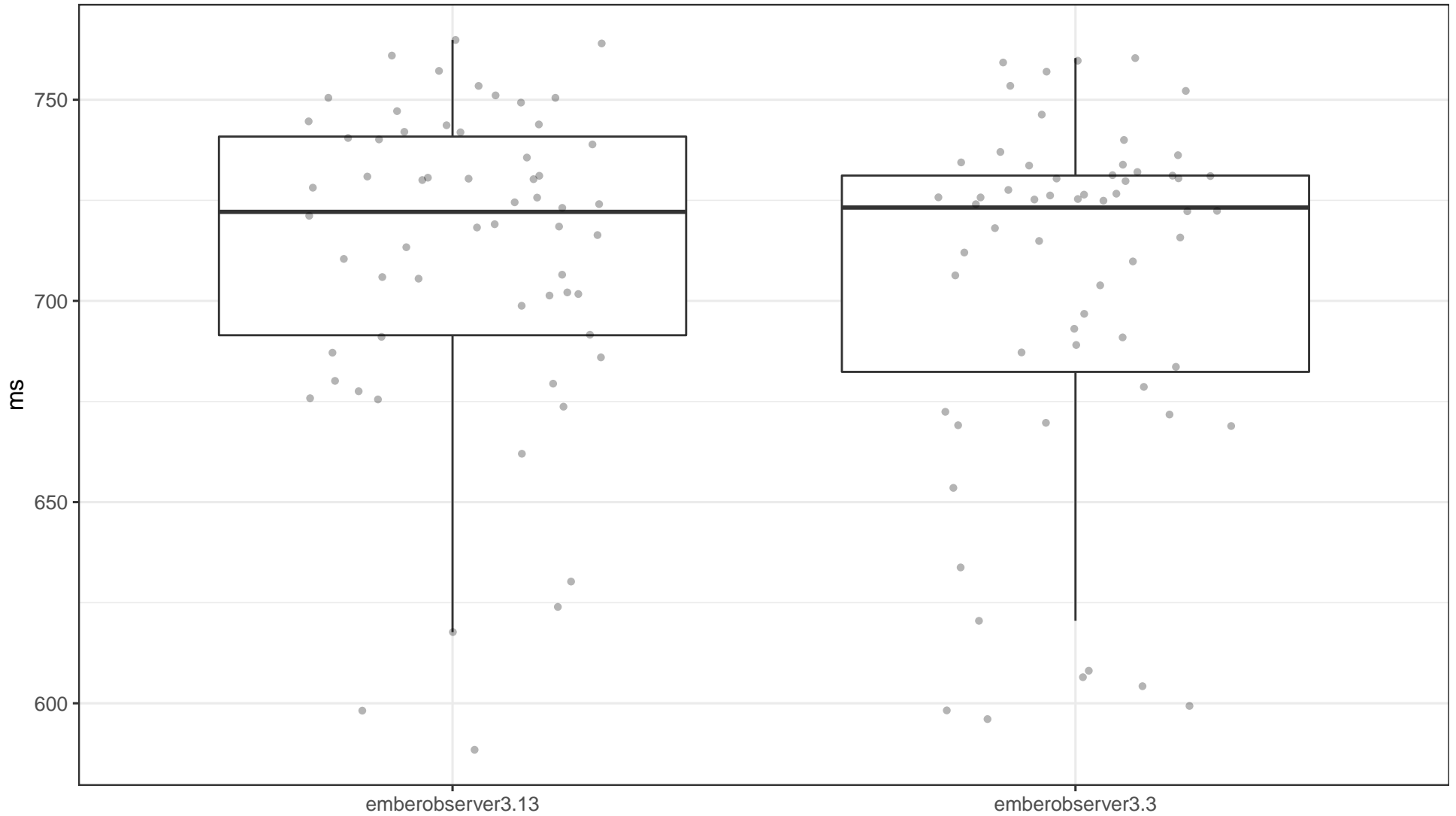


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %13.81 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +9.29ms, with a %95 confidence it is between -3.16ms and +21.85ms.

Test emberobserver3.13 JS Samples Against emberobserver3.3 JS Samples

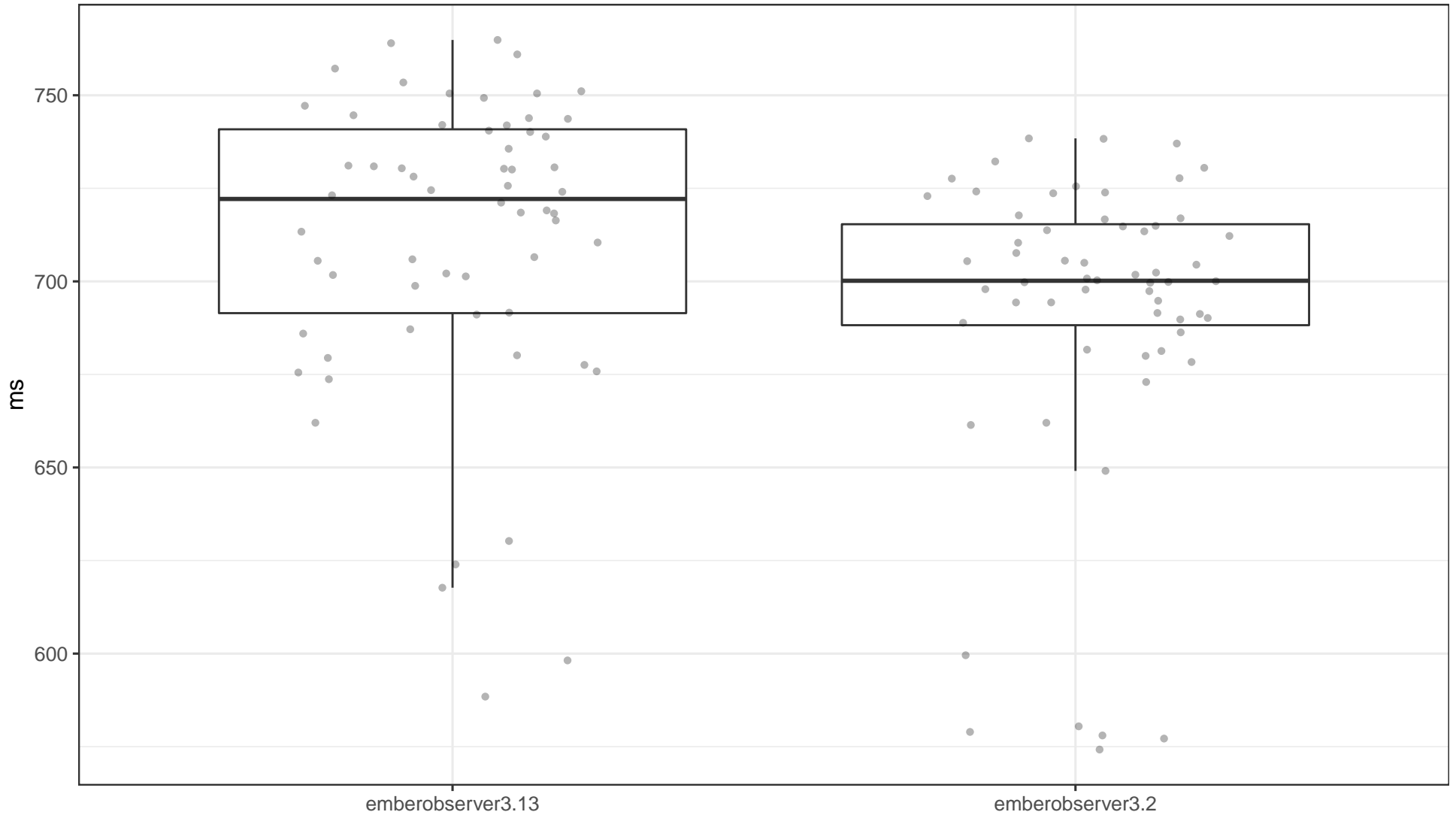


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %34.88 chance of observing these samples: the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +5.59ms, with a %95 confidence it is between -5.96ms and +17.47ms.

Test emberobserver3.13 JS Samples Against emberobserver3.2 JS Samples

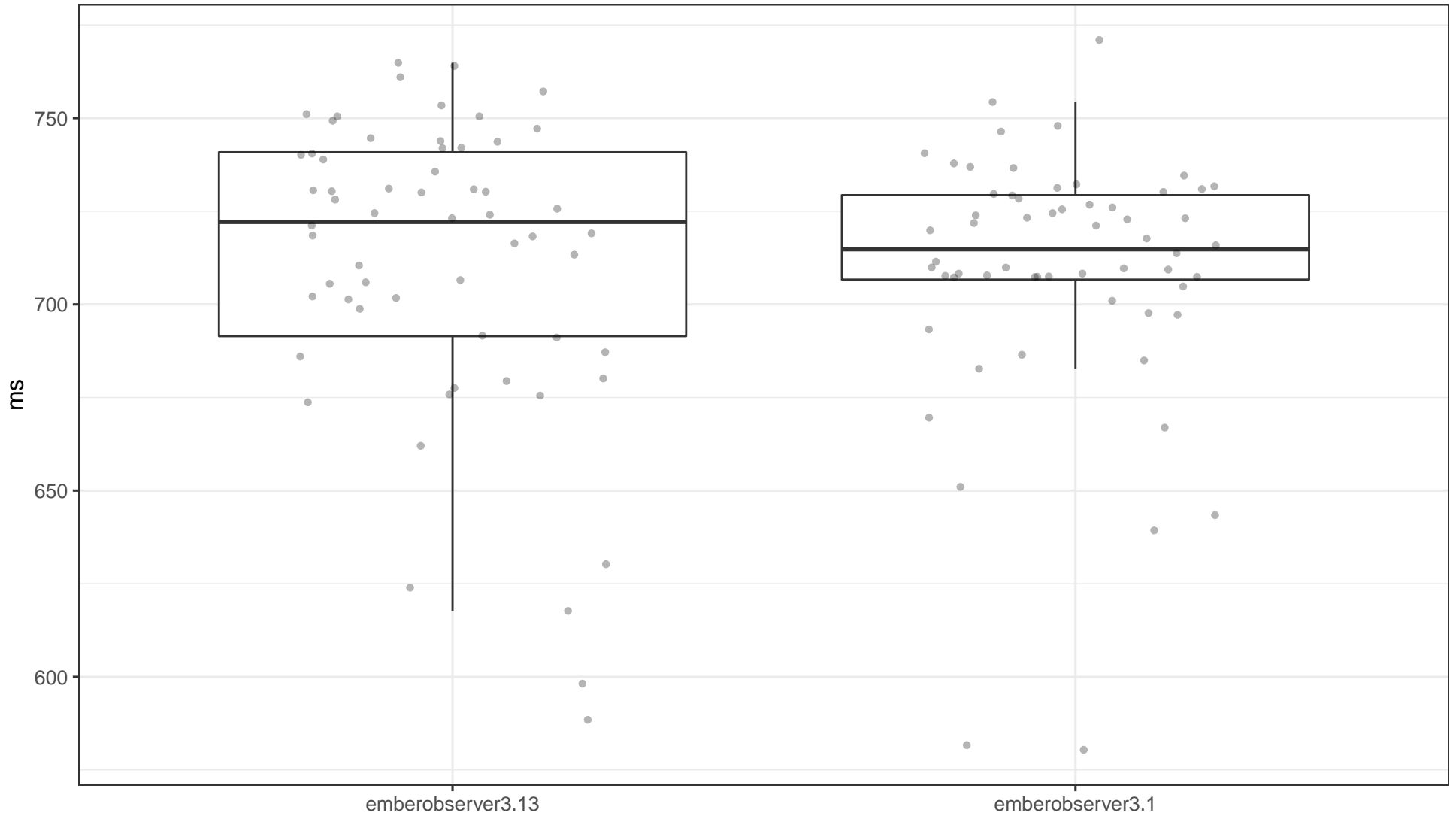


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.06 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +19.69ms, with a %95 confidence it is between +8.62ms and +30.12ms.

Test emberobserver3.13 JS Samples Against emberobserver3.1 JS Samples

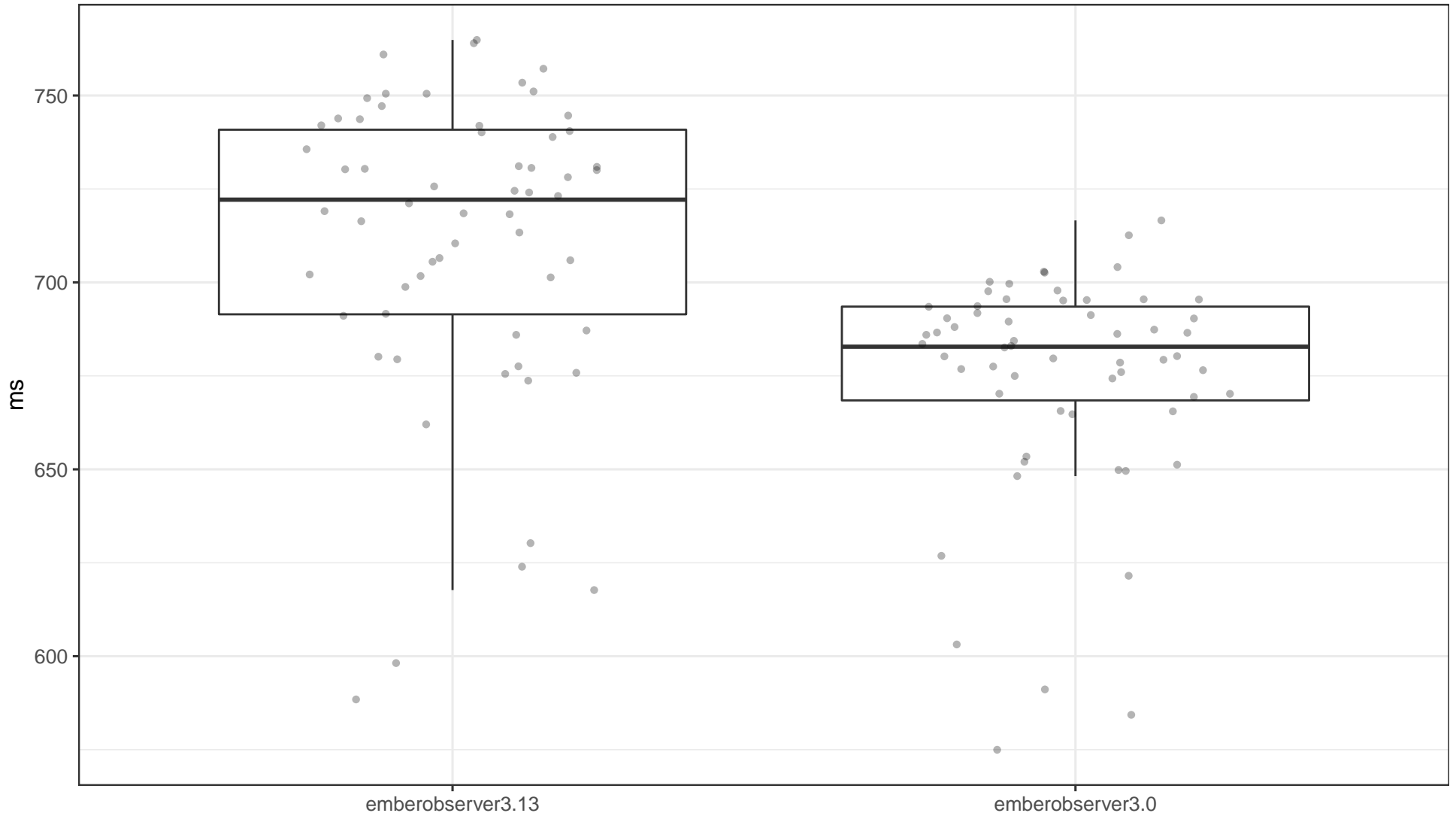


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %35.70 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +5.52ms, with a %95 confidence it is between -5.78ms and +15.80ms.

Test emberobserver3.13 JS Samples Against emberobserver3.0 JS Samples

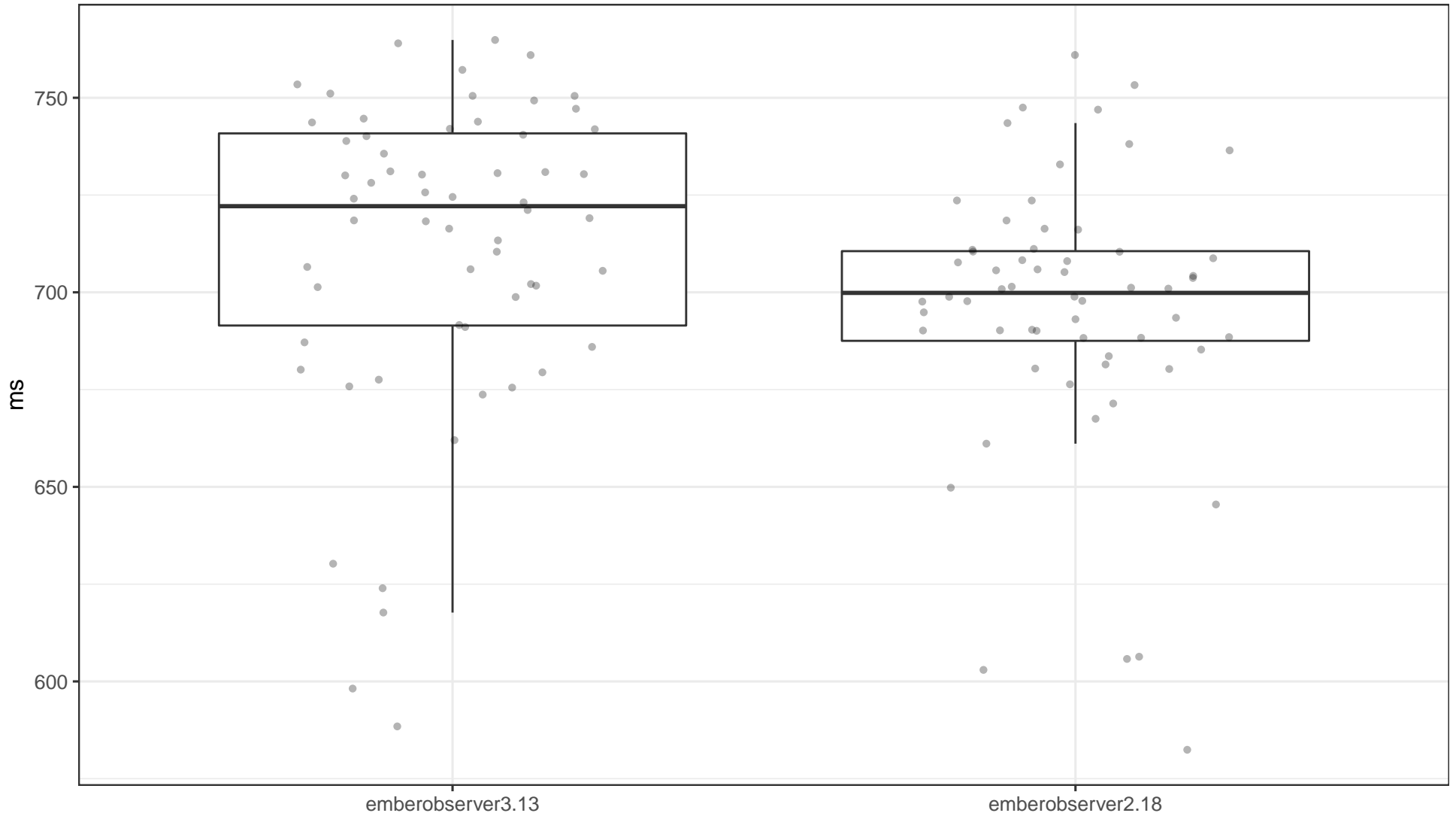


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +40.53ms, with a %95 confidence it is between +30.22ms and +50.60ms.

Test emberobserver3.13 JS Samples Against emberobserver2.18 JS Samples

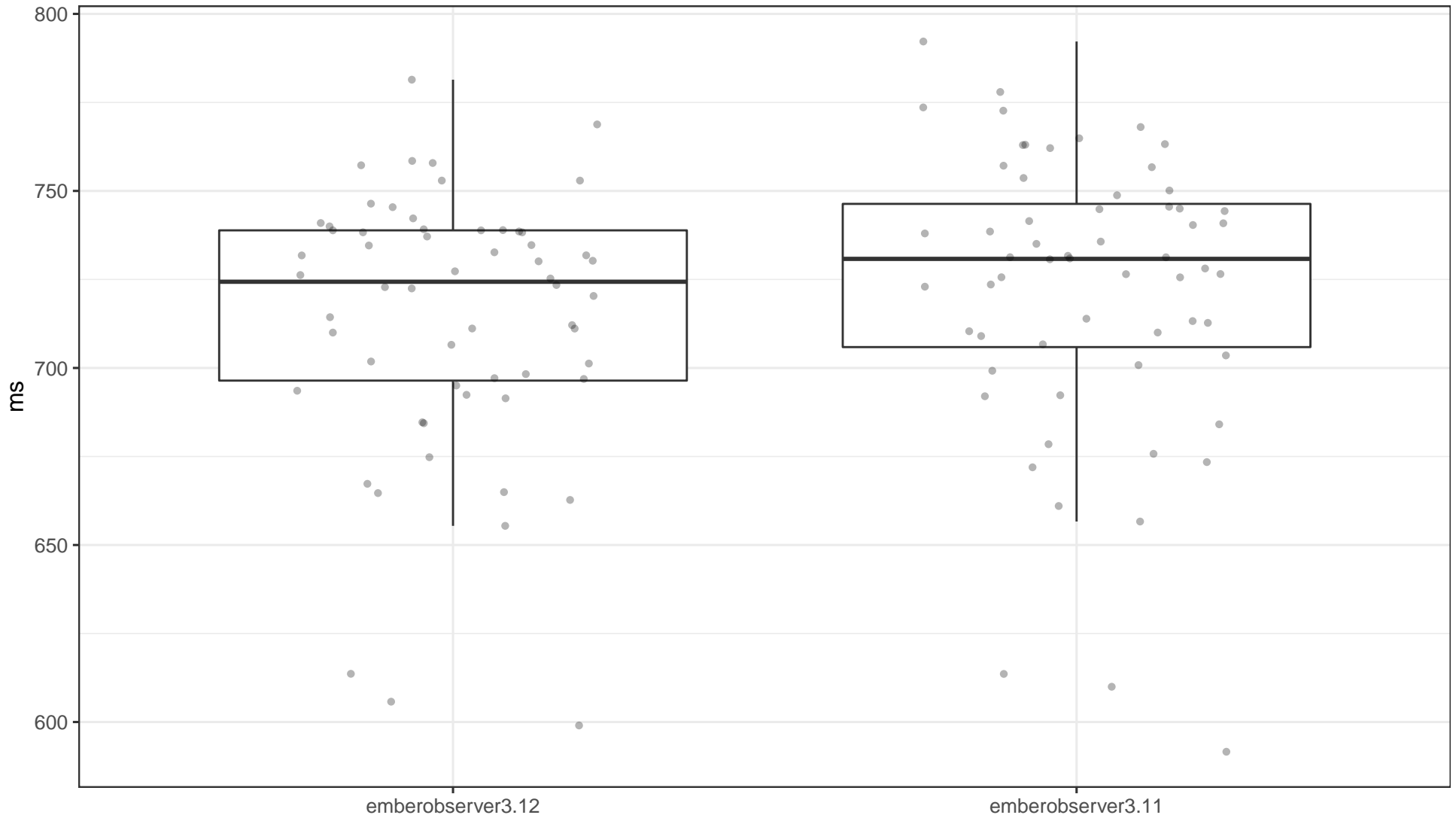


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.21 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +19.89ms, with a %95 confidence it is between +7.71ms and +30.79ms.

Test emberobserver3.12 JS Samples Against emberobserver3.11 JS Samples

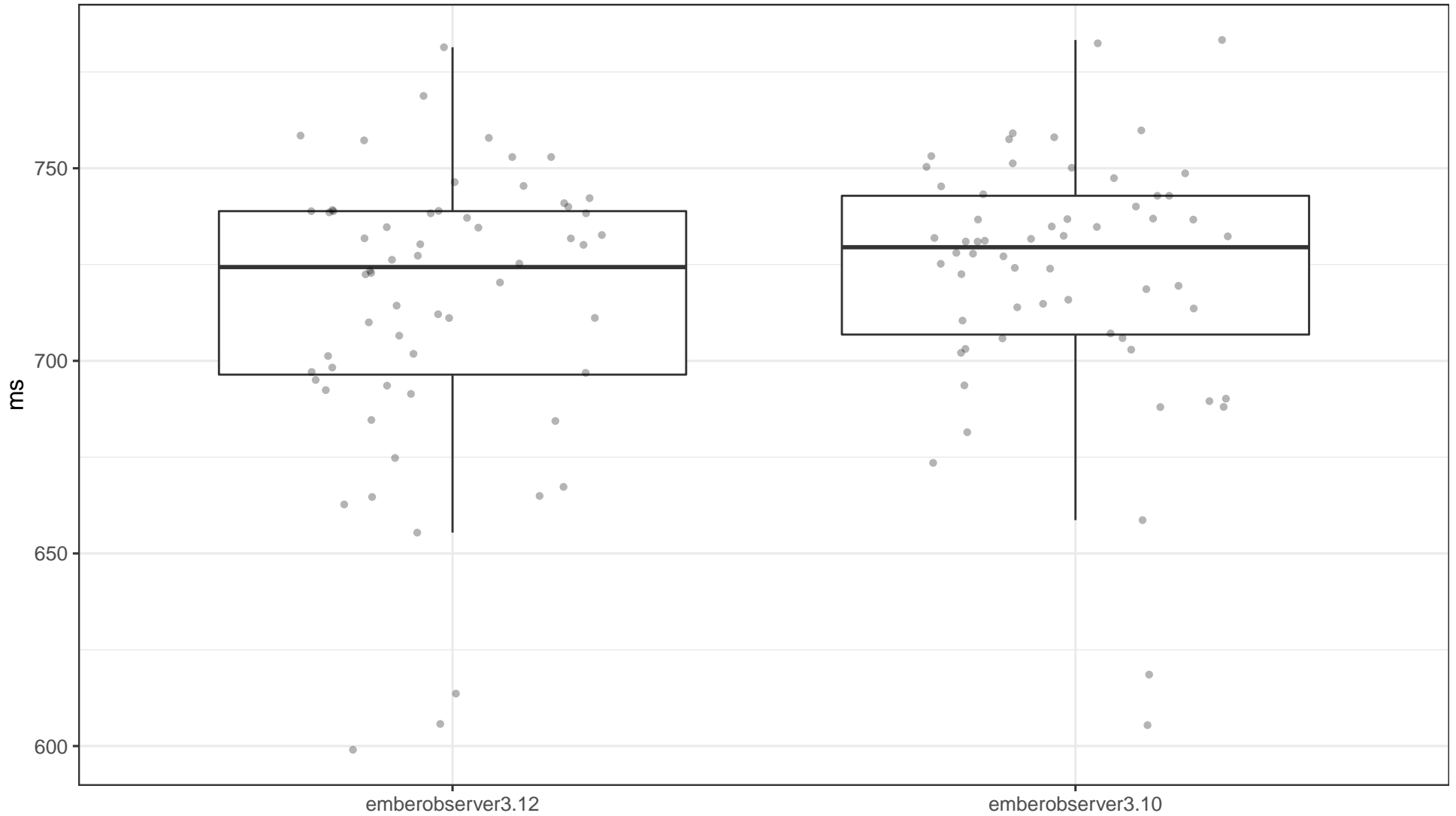


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %16.99 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -7.87ms , with a %95 confidence it is between -20.13ms and $+3.45\text{ms}$.

Test emberobserver3.12 JS Samples Against emberobserver3.10 JS Samples

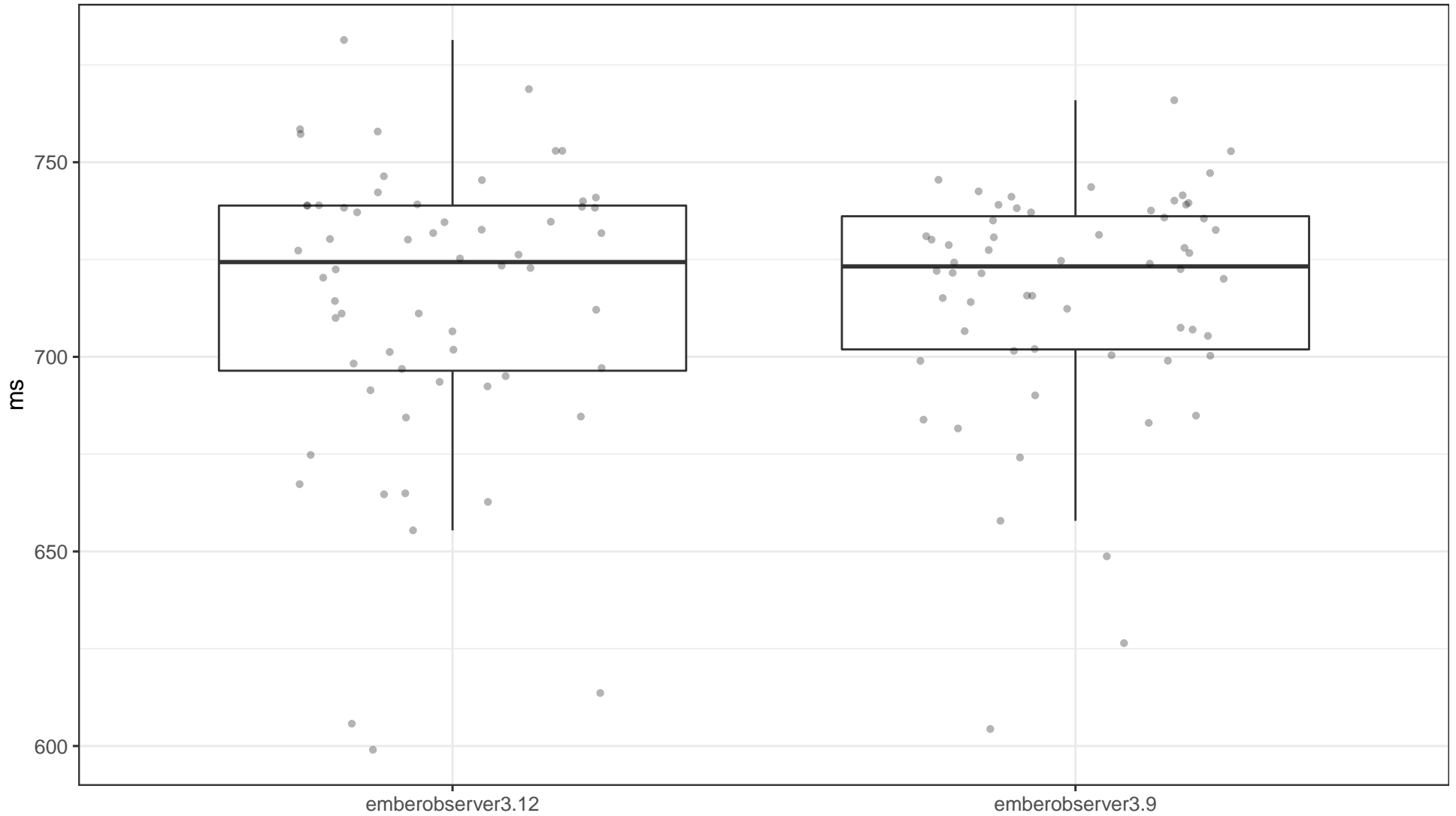


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %27.38 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -5.25ms , with a %95 confidence it is between -16.80ms and $+4.24\text{ms}$.

Test emberobserver3.12 JS Samples Against emberobserver3.9 JS Samples

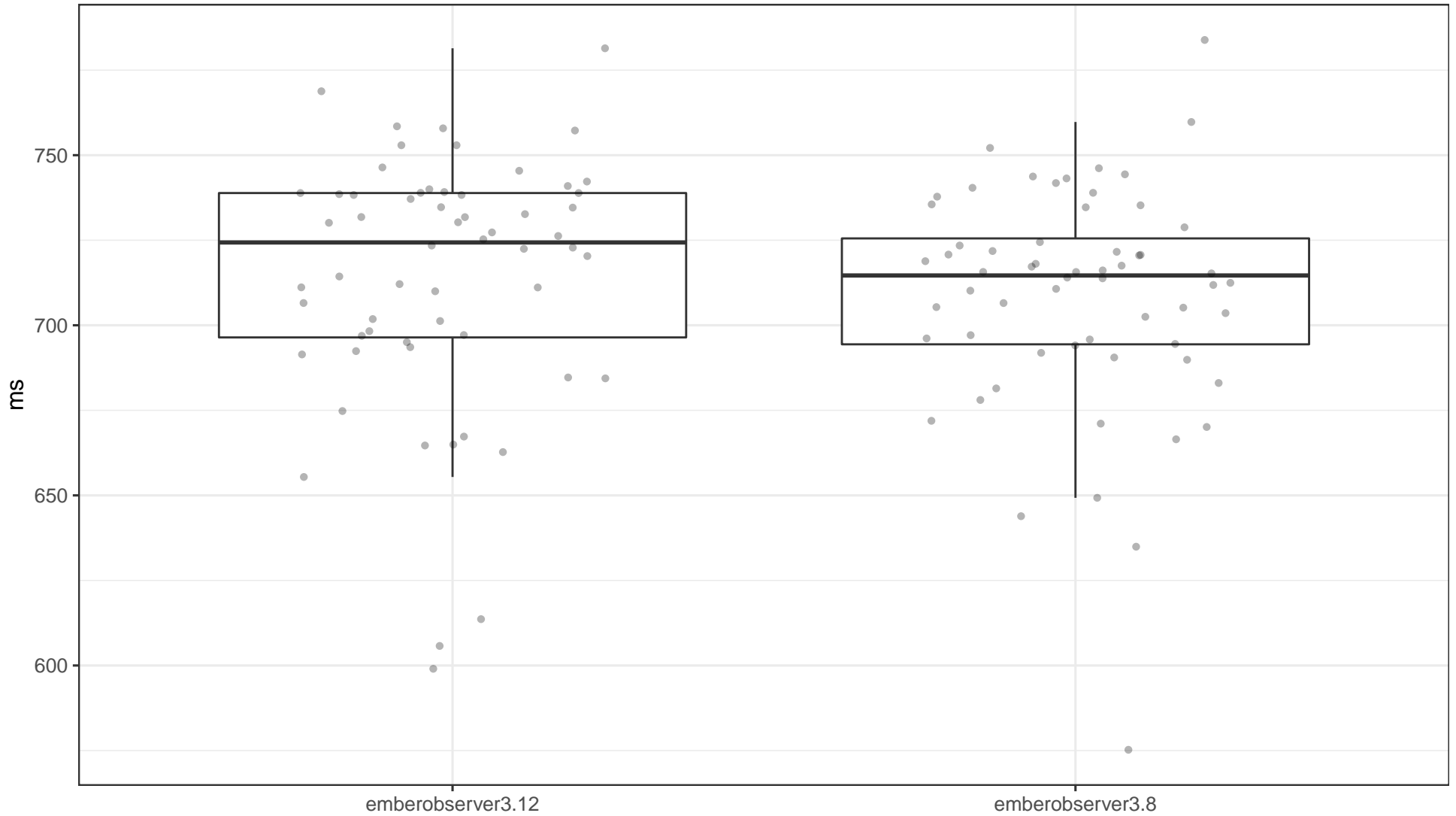


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %88.52 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +0.73ms, with a %95 confidence it is between -8.53ms and +10.24ms.

Test emberobserver3.12 JS Samples Against emberobserver3.8 JS Samples

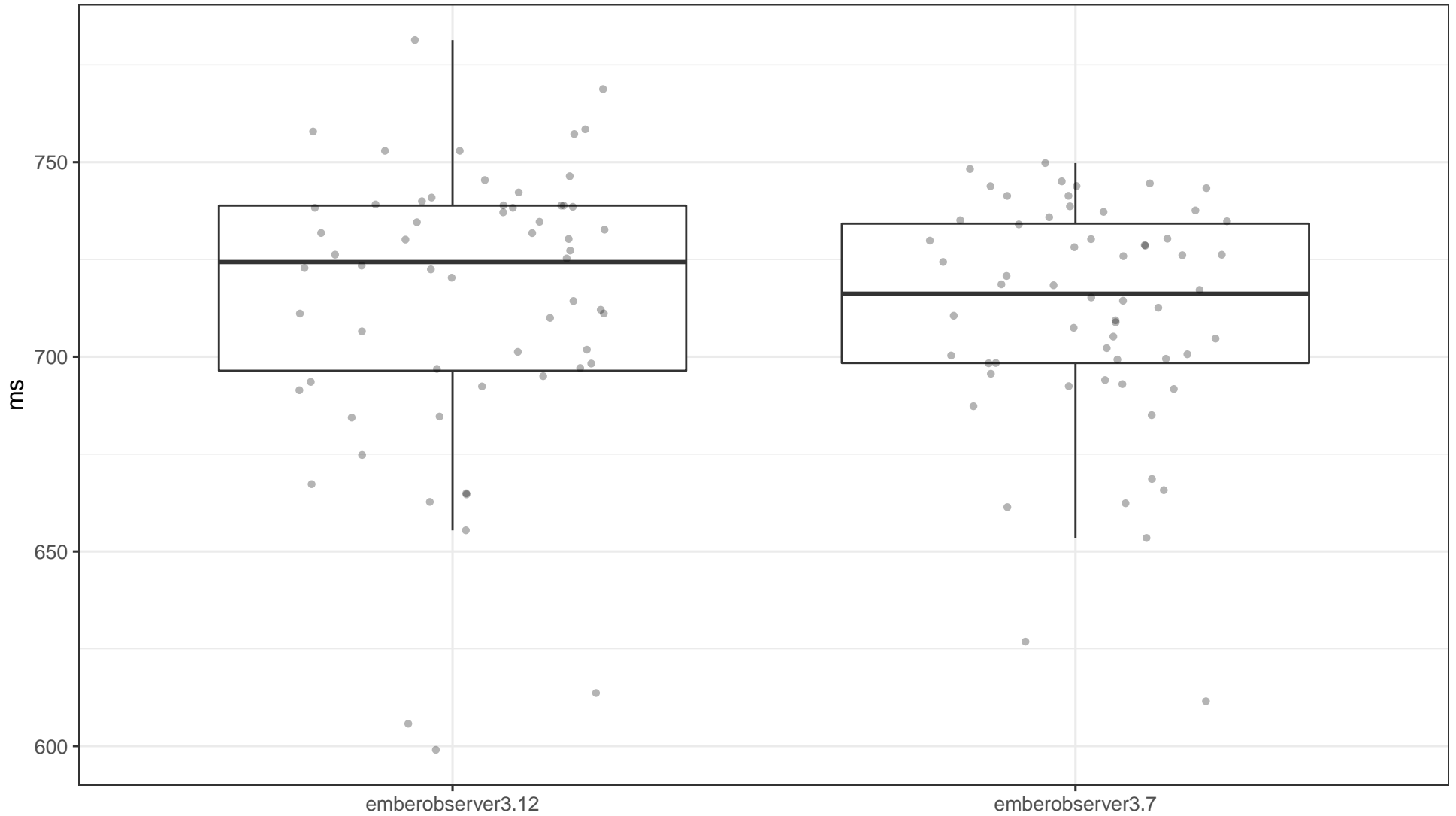


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %16.67 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +8.47ms, with a %95 confidence it is between -3.50ms and +18.81ms.

Test emberobserver3.12 JS Samples Against emberobserver3.7 JS Samples

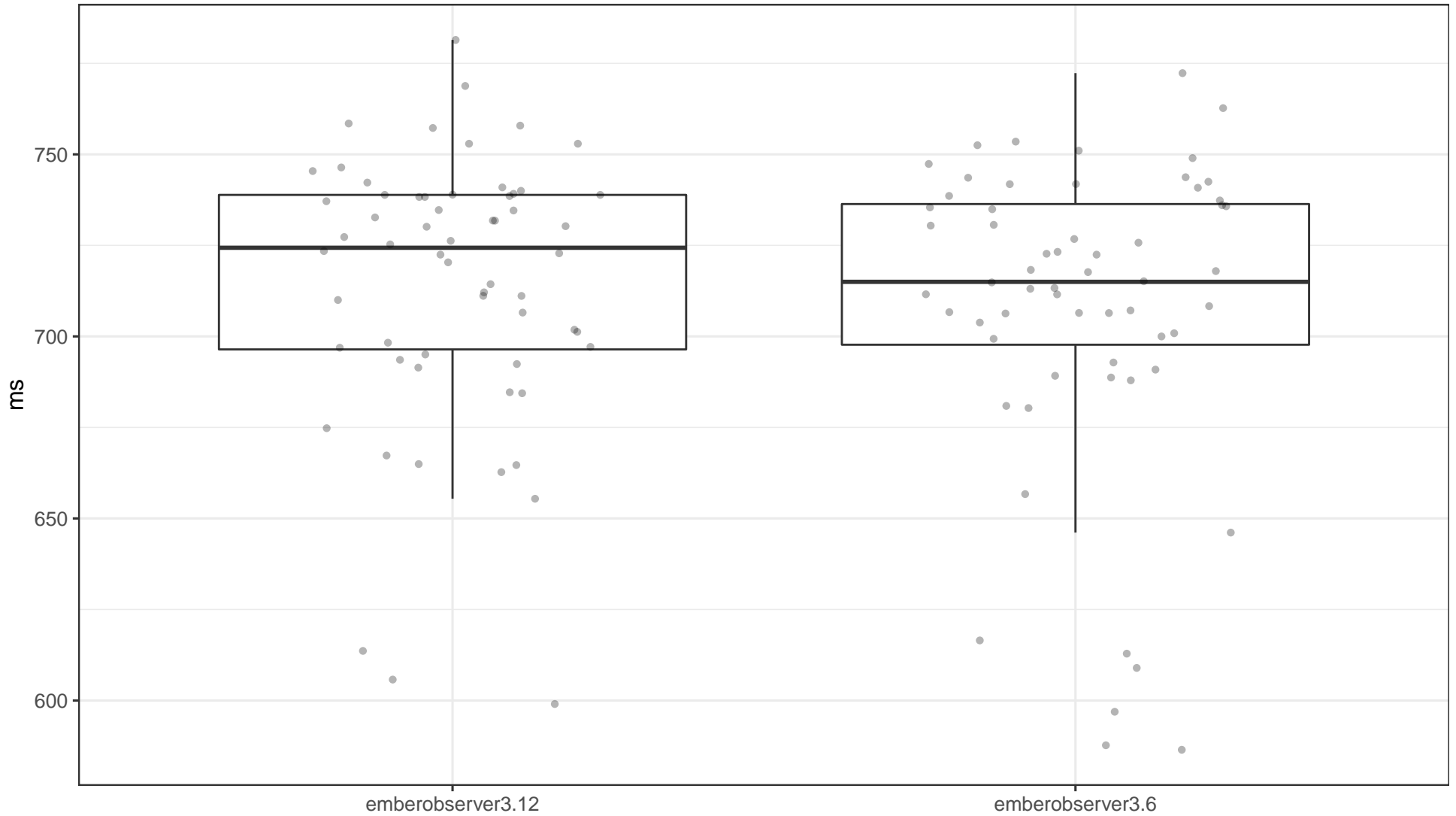


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %35.70 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +4.31ms, with a %95 confidence it is between -5.00ms and +14.55ms.

Test emberobserver3.12 JS Samples Against emberobserver3.6 JS Samples

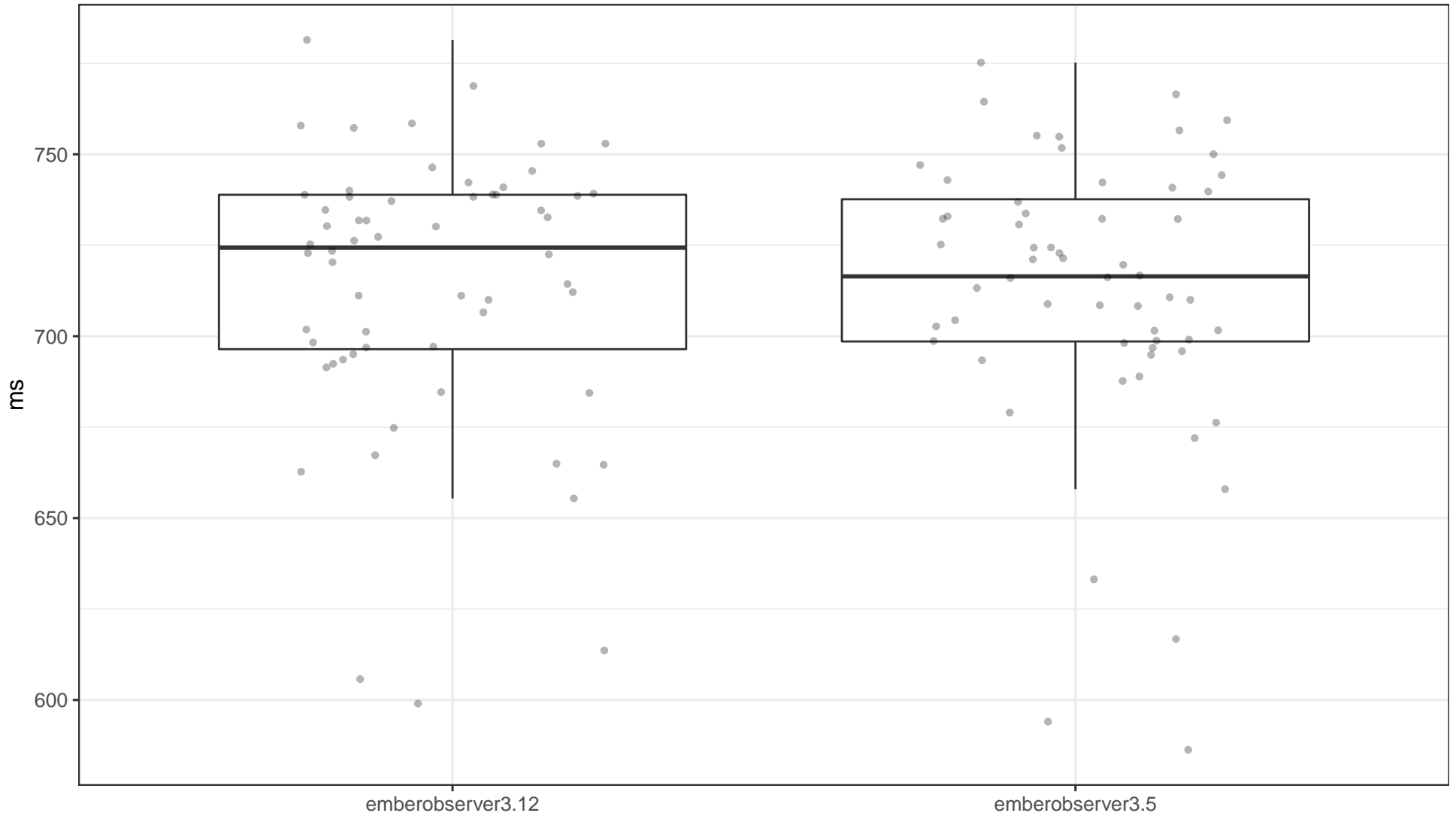


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %47.05 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +4.08ms, with a %95 confidence it is between -6.91ms and +16.30ms.

Test emberobserver3.12 JS Samples Against emberobserver3.5 JS Samples

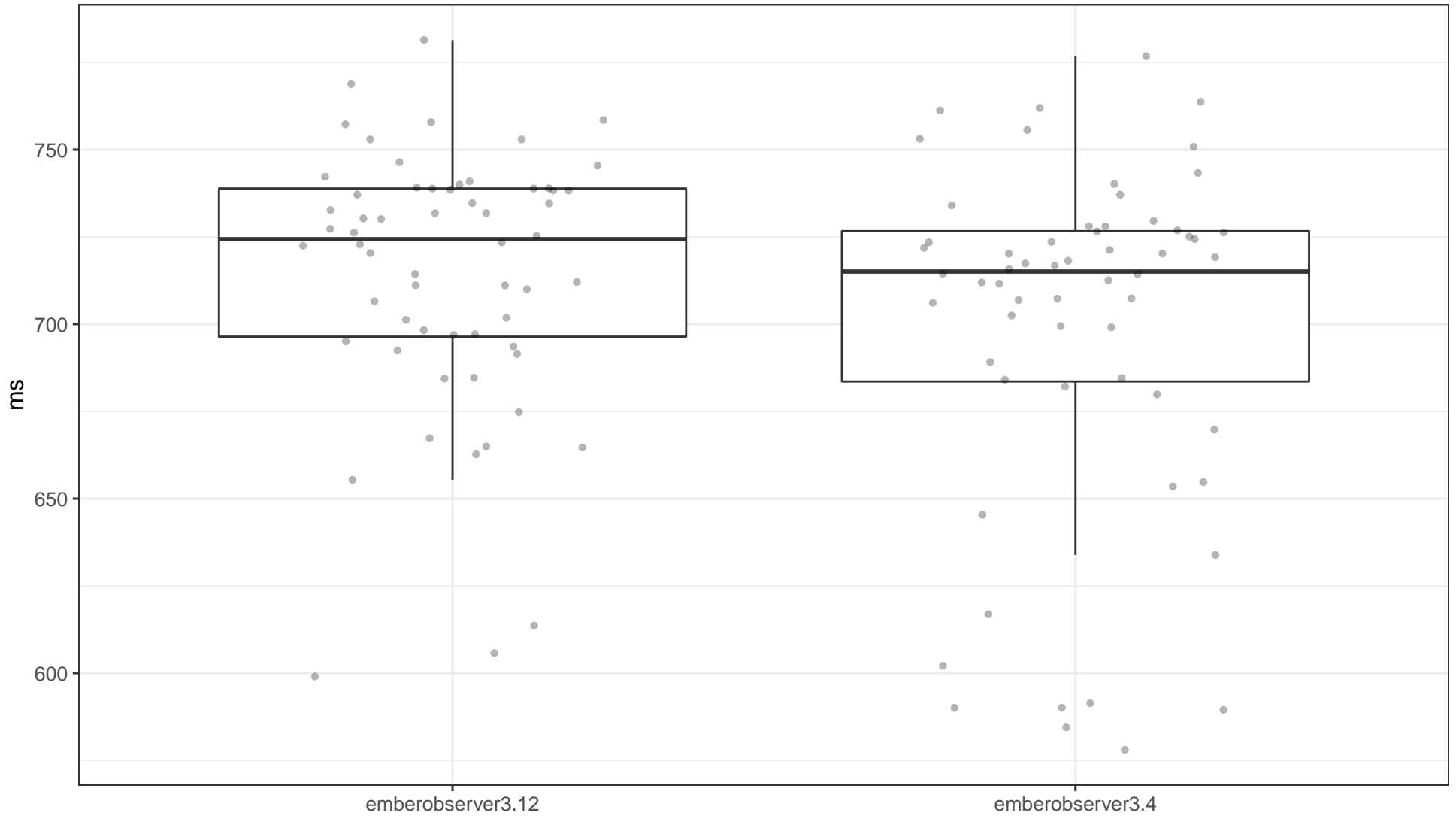


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %75.88 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +1.98ms, with a %95 confidence it is between -9.65ms and +13.93ms.

Test emberobserver3.12 JS Samples Against emberobserver3.4 JS Samples

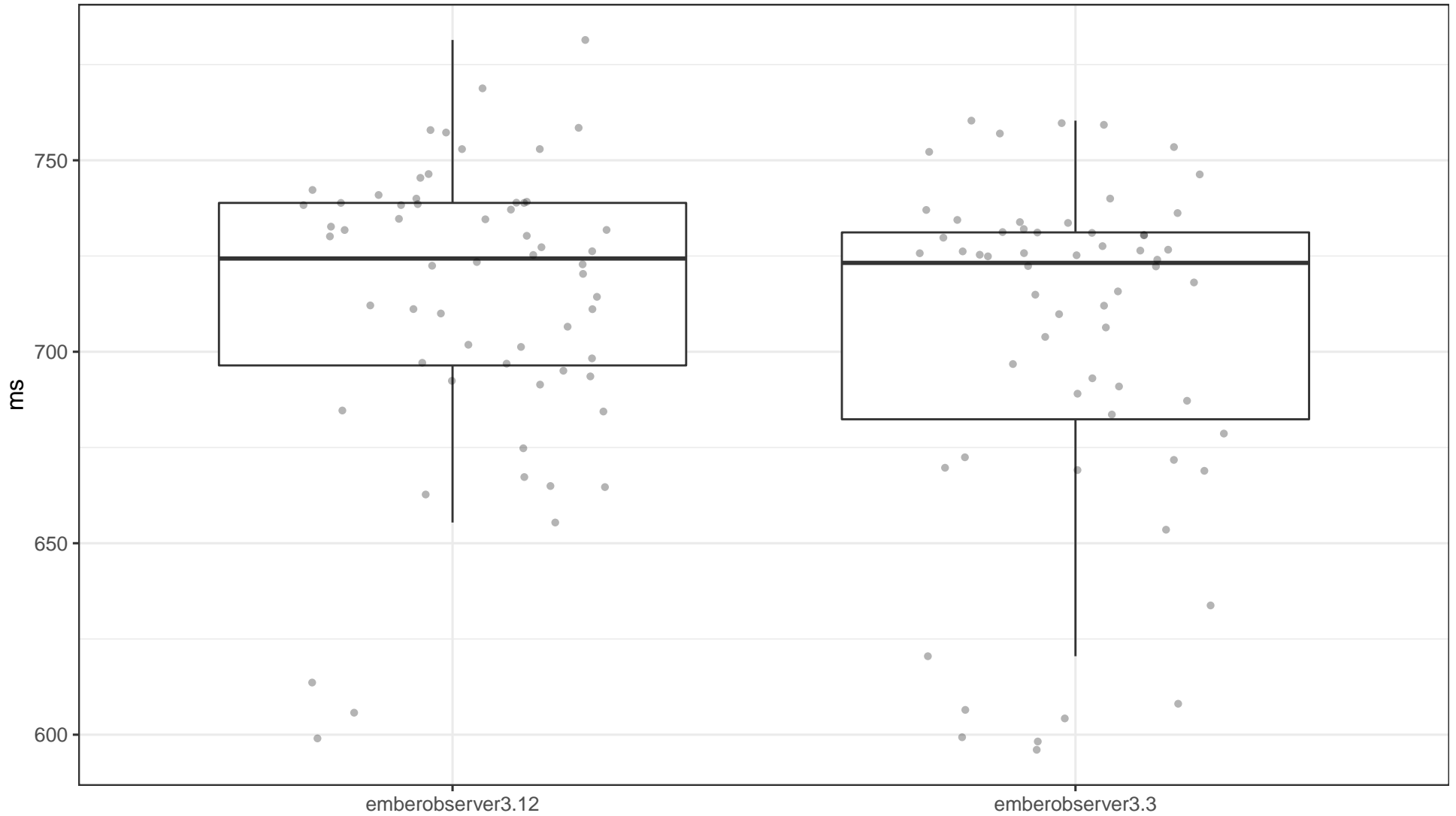


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %7.48 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +11.42ms, with a %95 confidence it is between -1.23ms and +21.84ms.

Test emberobserver3.12 JS Samples Against emberobserver3.3 JS Samples

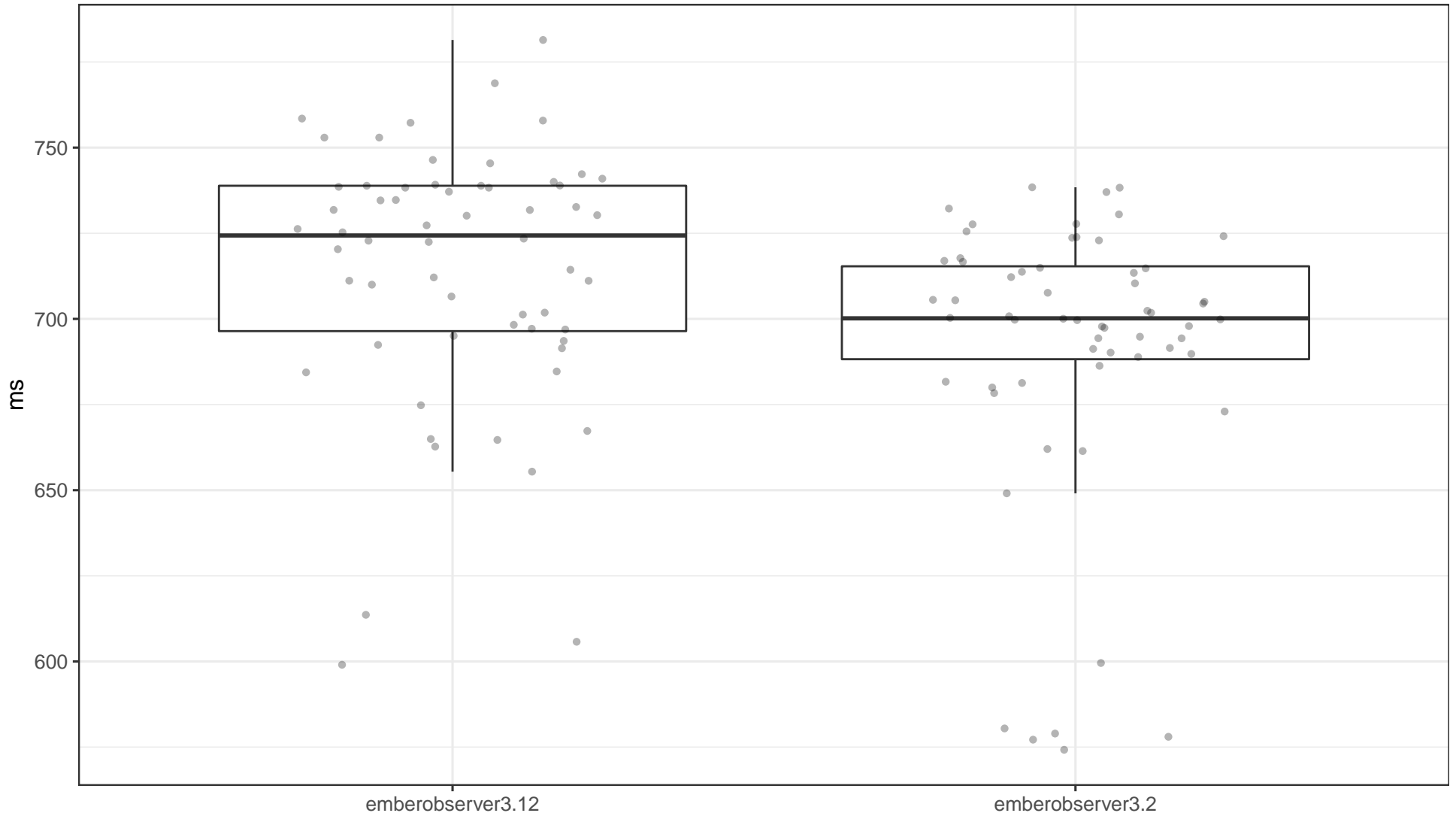


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %17.15 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +7.12ms, with a %95 confidence it is between -3.59ms and +17.05ms.

Test emberobserver3.12 JS Samples Against emberobserver3.2 JS Samples

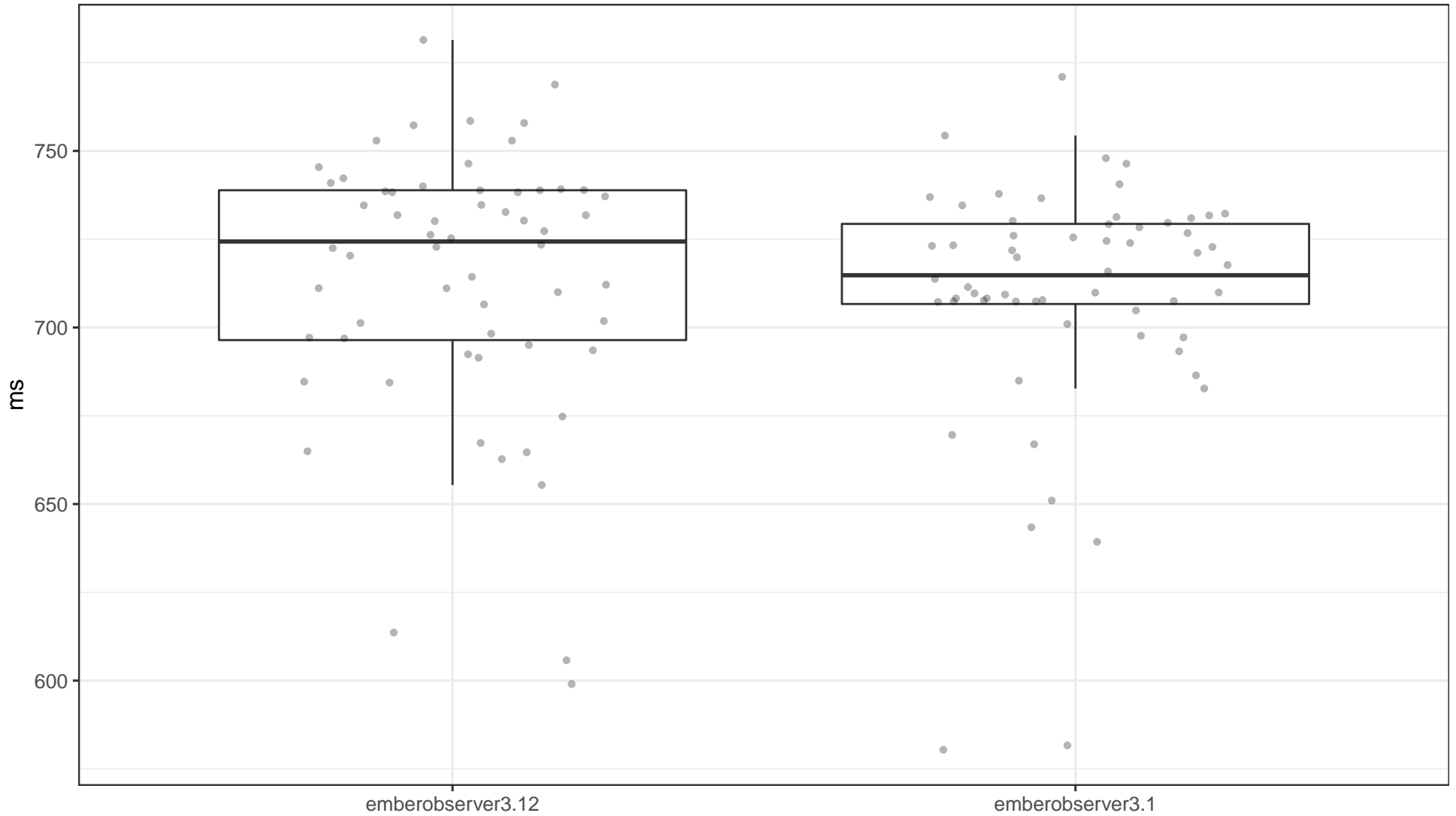


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.03 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +21.15ms, with a %95 confidence it is between +10.36ms and +31.68ms.

Test emberobserver3.12 JS Samples Against emberobserver3.1 JS Samples

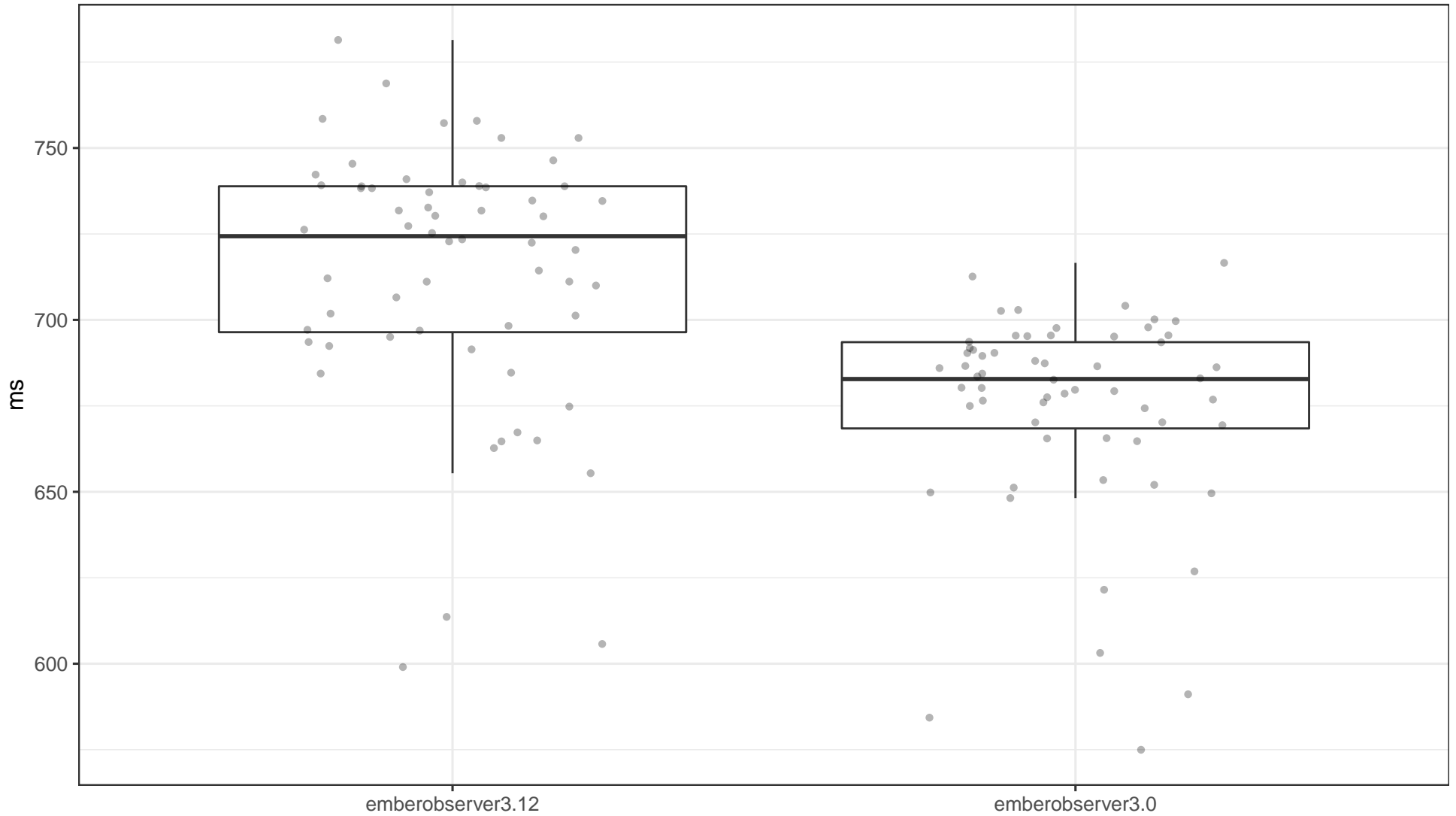


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %16.67 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +6.63ms, with a %95 confidence it is between -3.56ms and +15.94ms.

Test emberobserver3.12 JS Samples Against emberobserver3.0 JS Samples

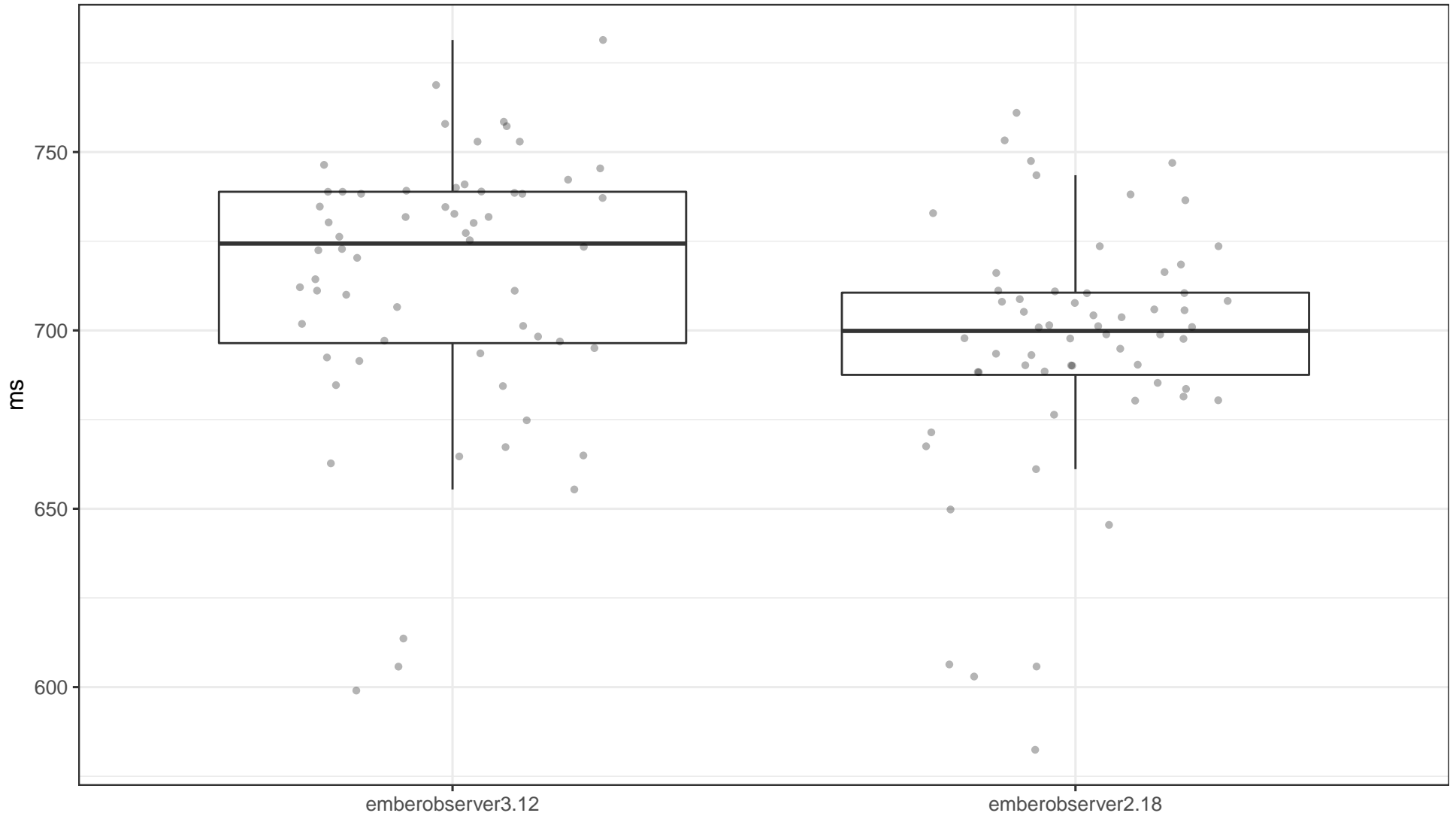


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +42.58ms, with a %95 confidence it is between +32.39ms and +50.87ms.

Test emberobserver3.12 JS Samples Against emberobserver2.18 JS Samples

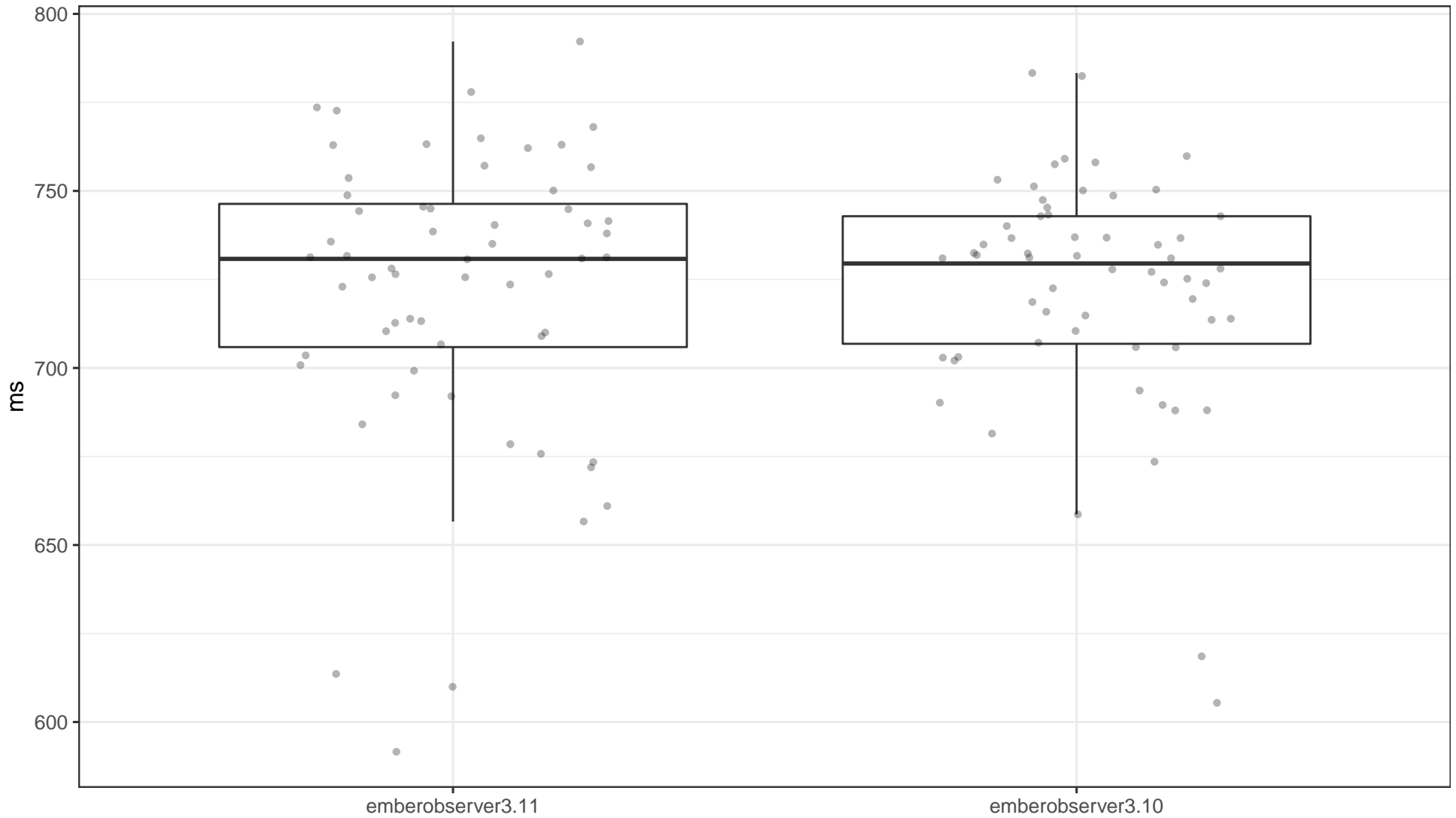


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.09 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +21.66ms, with a %95 confidence it is between +9.08ms and +32.02ms.

Test emberobserver3.11 JS Samples Against emberobserver3.10 JS Samples

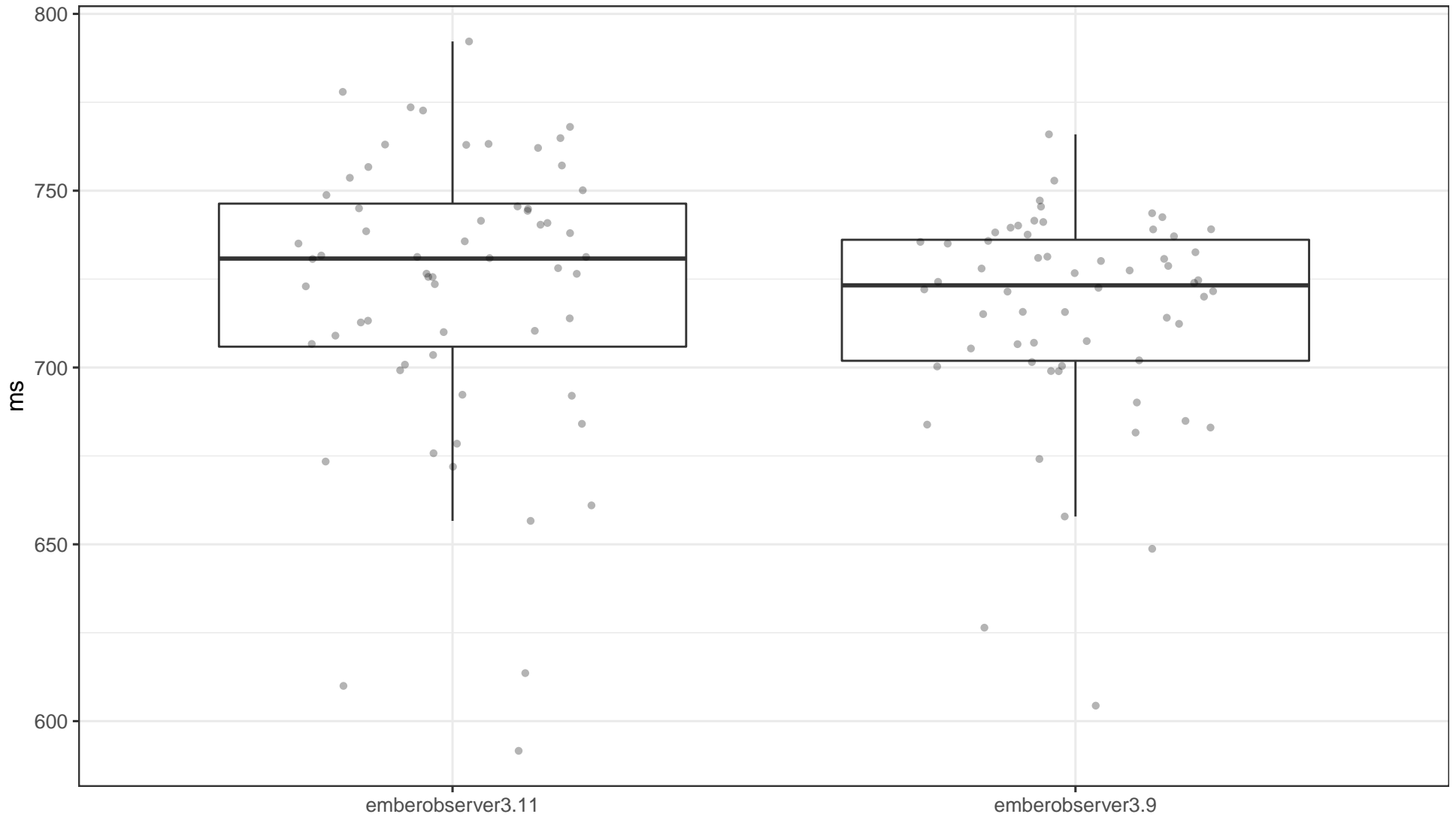


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %72.71 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +2.37ms, with a %95 confidence it is between -8.90ms and +13.04ms.

Test emberobserver3.11 JS Samples Against emberobserver3.9 JS Samples

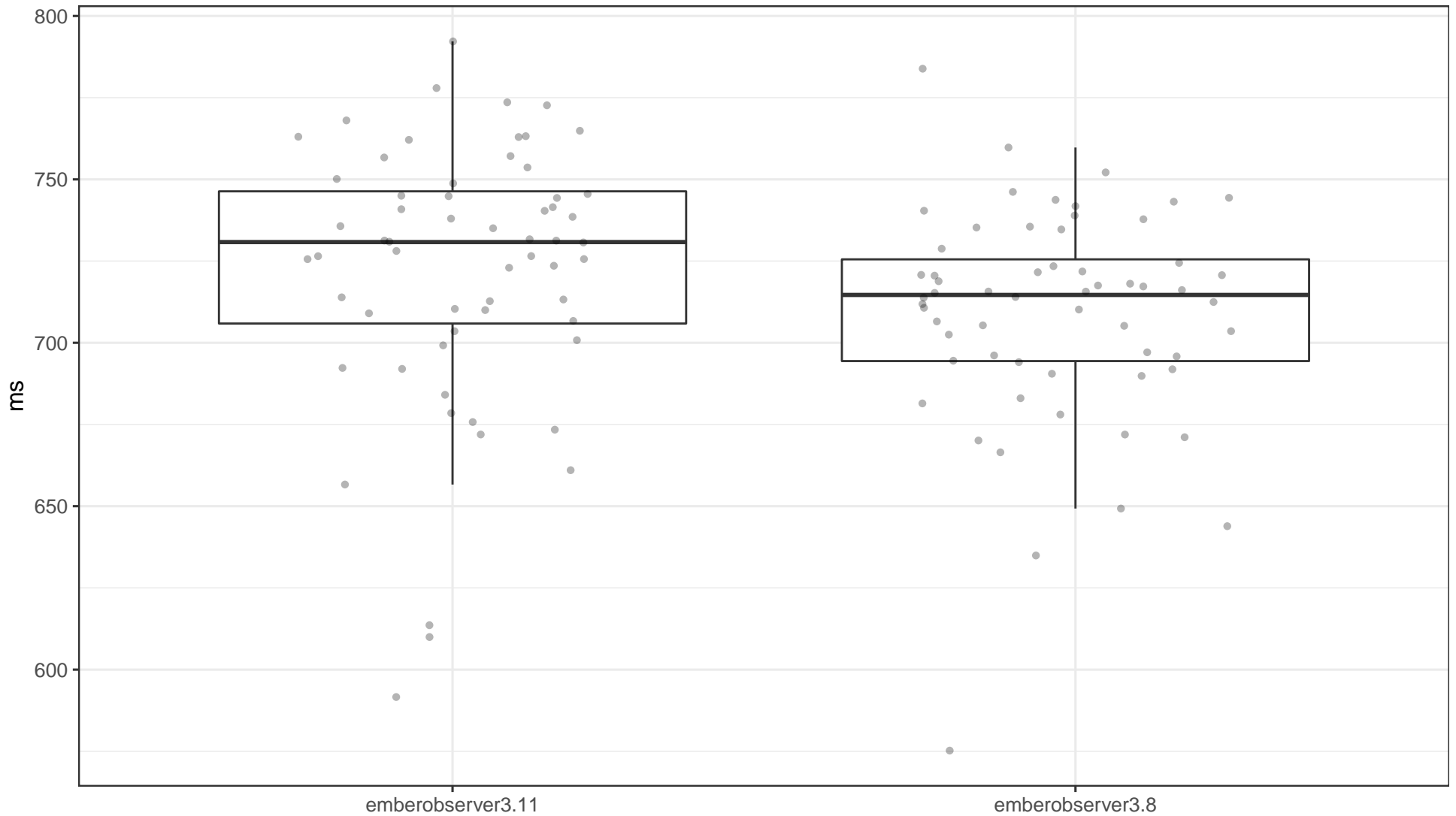


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %9.77 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +8.62ms, with a %95 confidence it is between -1.56ms and +19.59ms.

Test emberobserver3.11 JS Samples Against emberobserver3.8 JS Samples

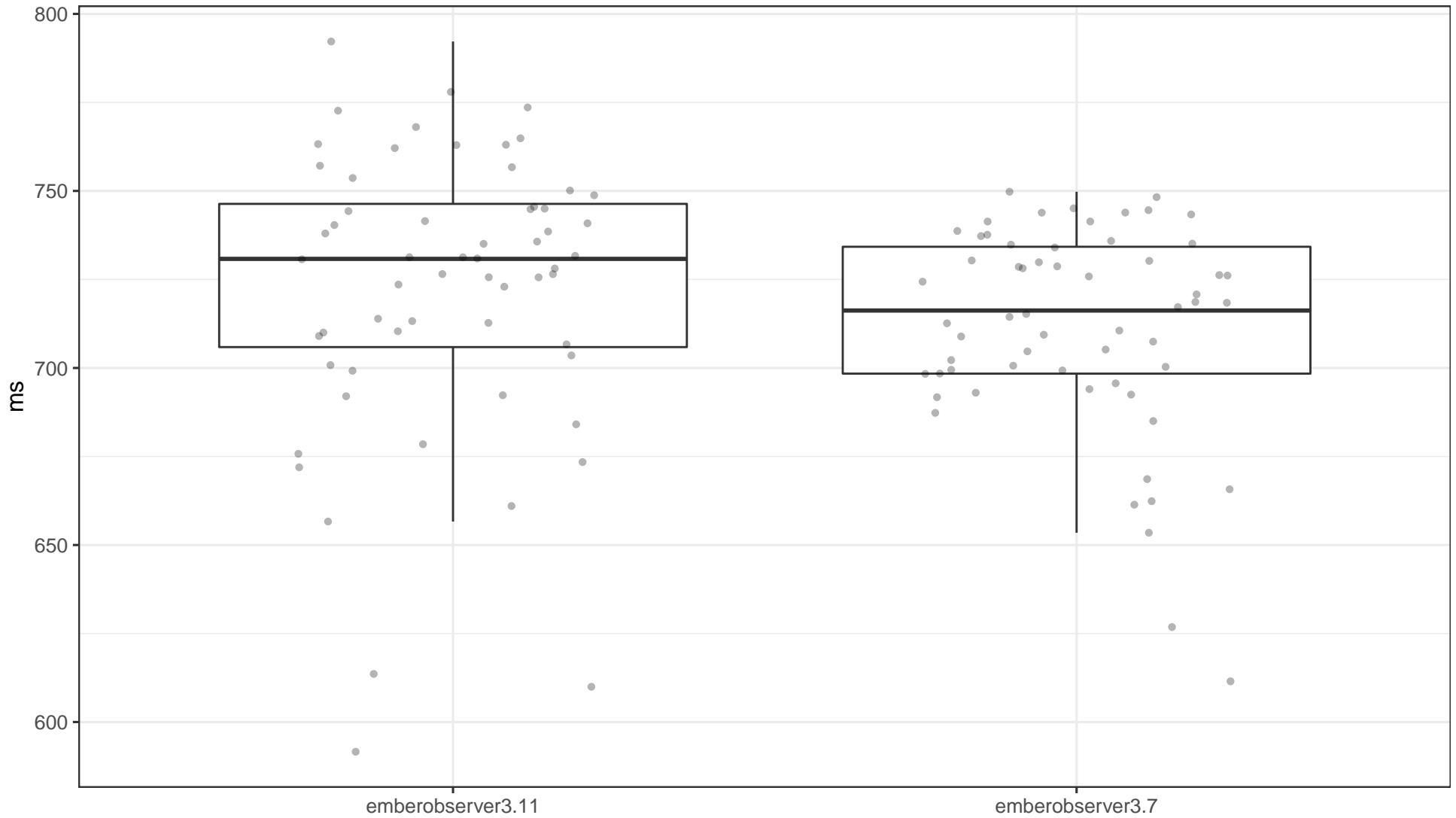


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.66 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +16.40ms, with a %95 confidence it is between +5.09ms and +27.42ms.

Test emberobserver3.11 JS Samples Against emberobserver3.7 JS Samples

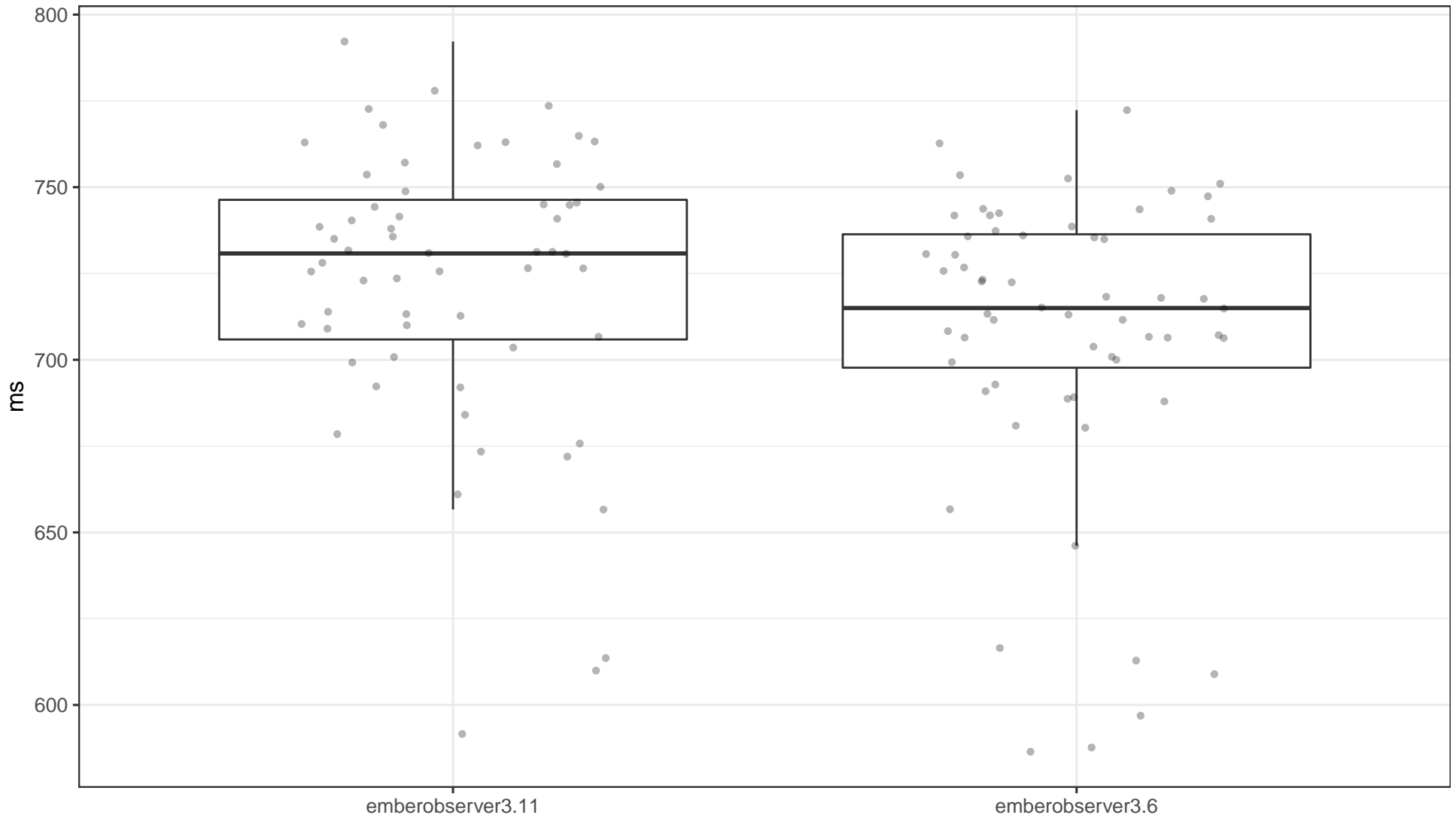


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %1.83 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +13.34ms, with a %95 confidence it is between +2.09ms and +24.49ms.

Test emberobserver3.11 JS Samples Against emberobserver3.6 JS Samples

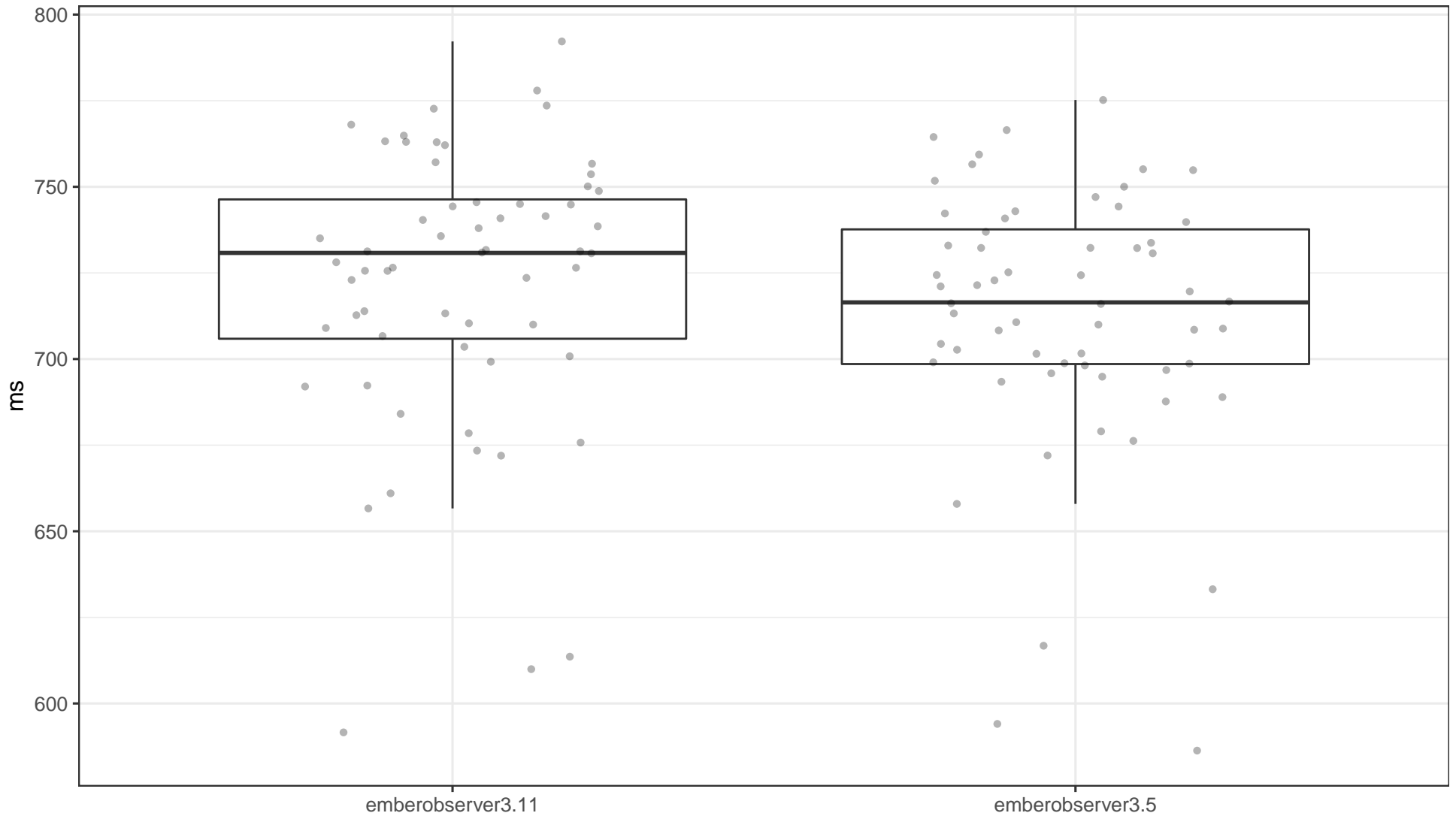


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %3.46 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +13.24ms, with a %95 confidence it is between +0.76ms and +24.72ms.

Test emberobserver3.11 JS Samples Against emberobserver3.5 JS Samples

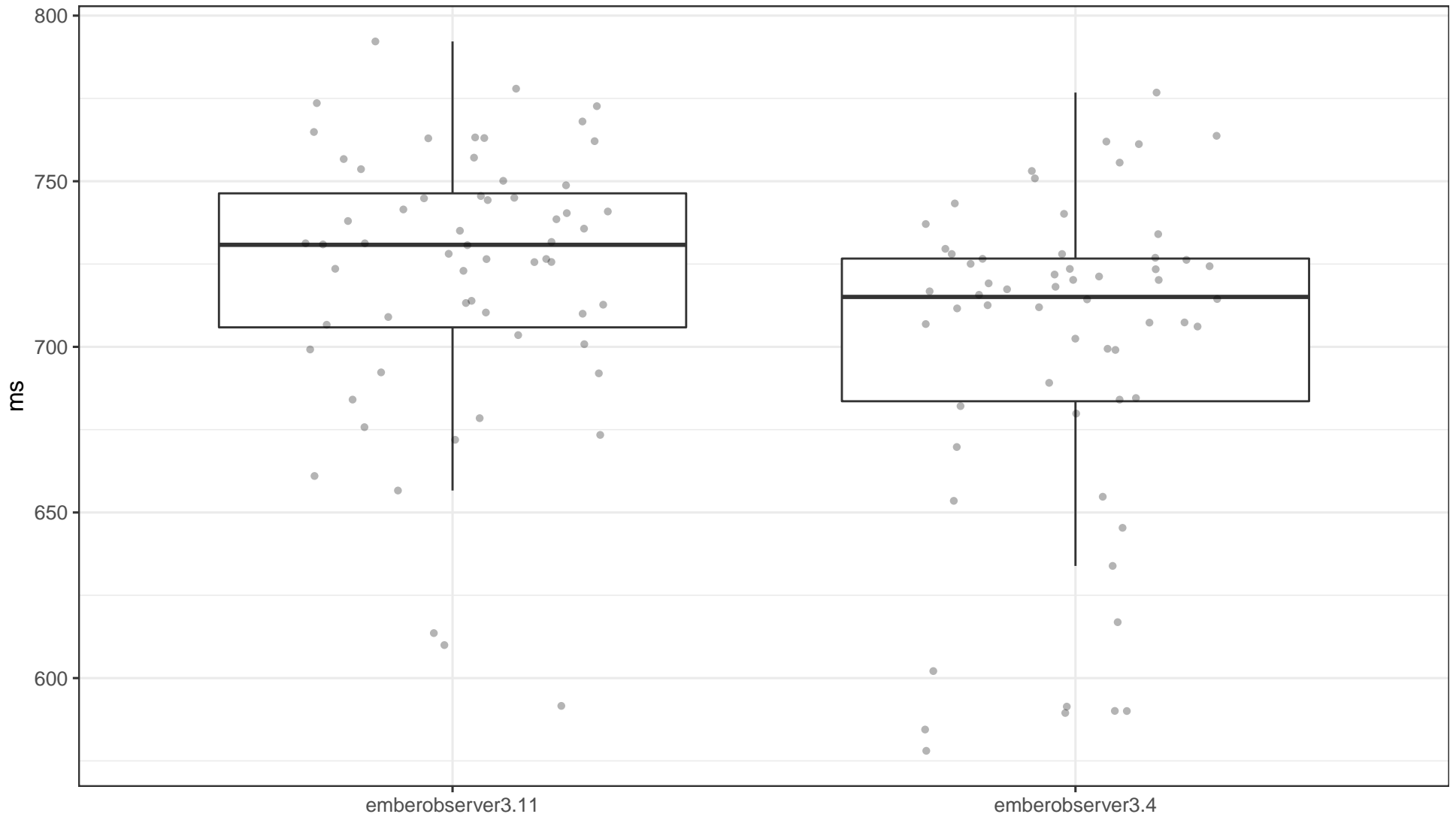


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %8.61 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +10.54ms, with a %95 confidence it is between -1.57ms and +22.62ms.

Test emberobserver3.11 JS Samples Against emberobserver3.4 JS Samples

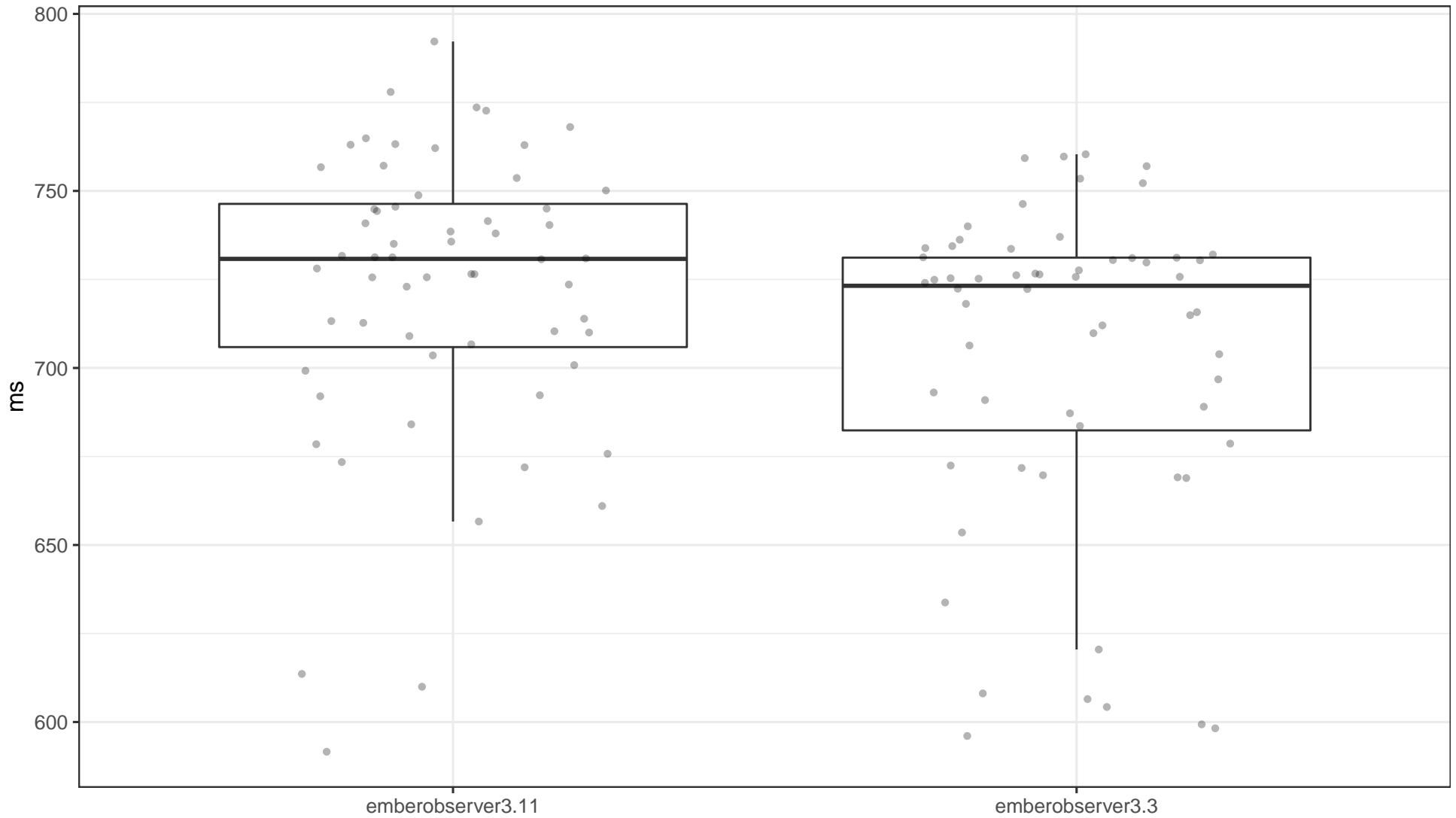


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.29 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +18.69ms, with a %95 confidence it is between +6.45ms and +31.10ms.

Test emberobserver3.11 JS Samples Against emberobserver3.3 JS Samples

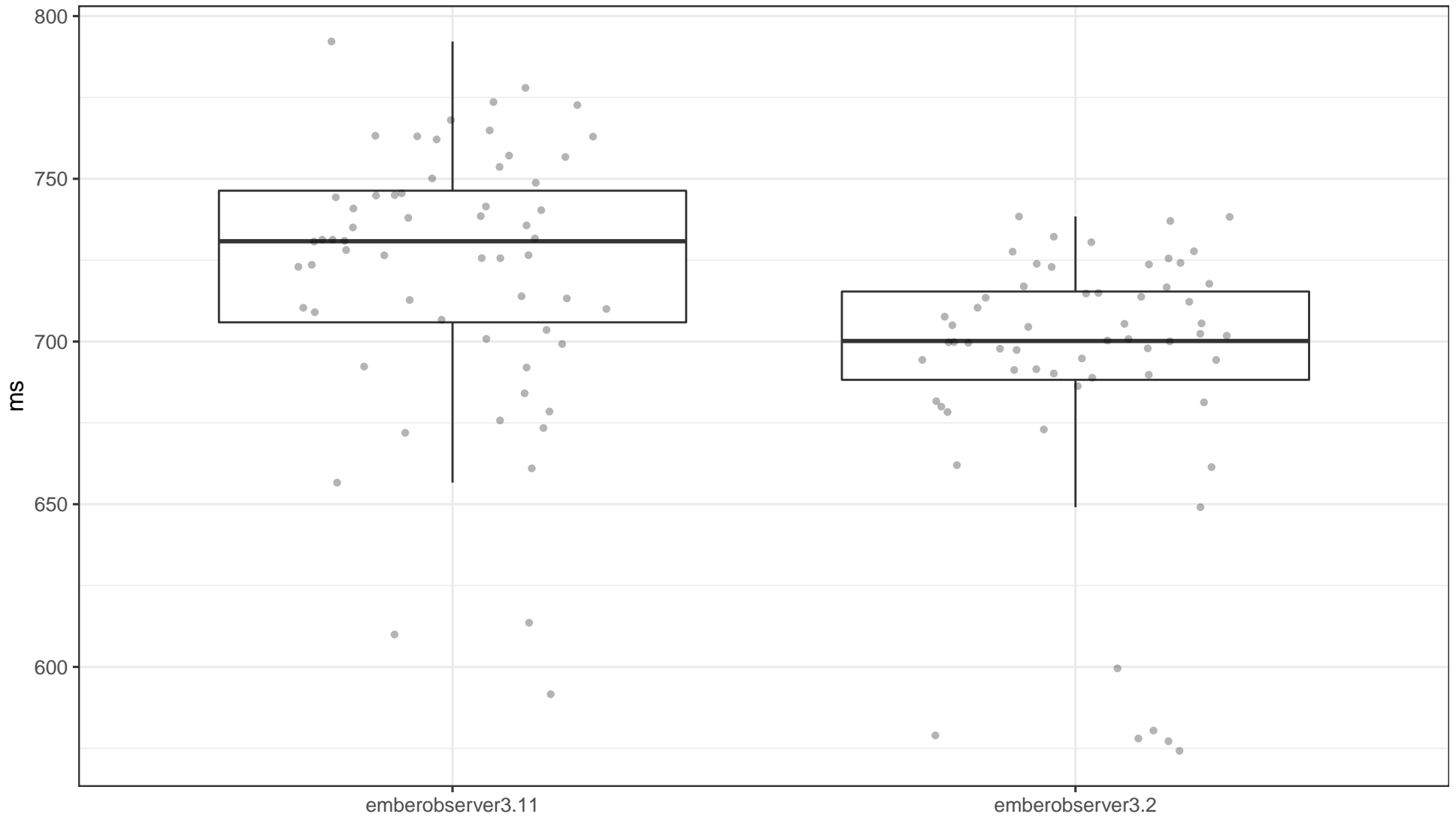


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %1.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +14.50ms, with a %95 confidence it is between +3.34ms and +28.71ms.

Test emberobserver3.11 JS Samples Against emberobserver3.2 JS Samples

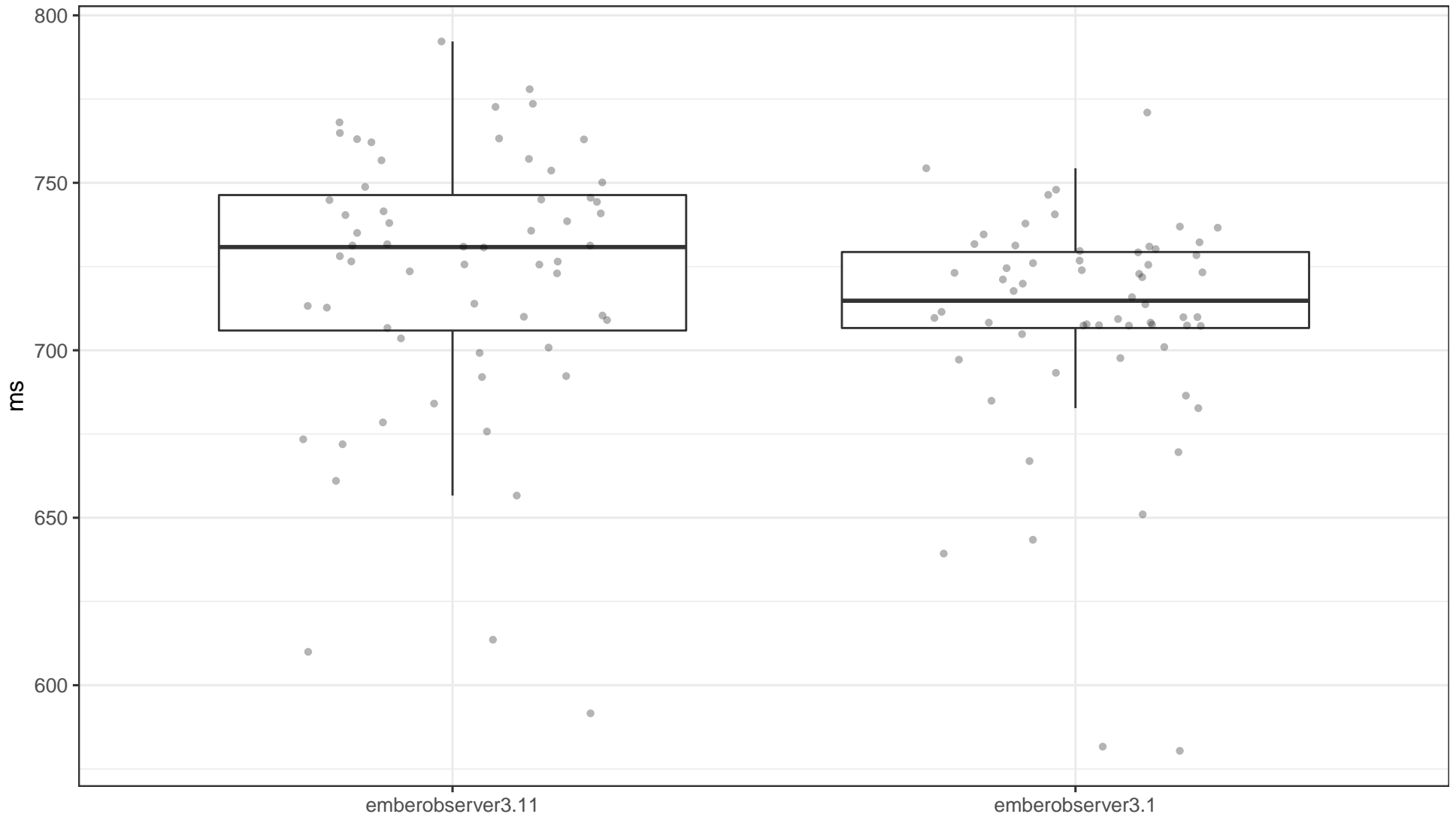


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +29.45ms, with a %95 confidence it is between +17.95ms and +39.77ms.

Test emberobserver3.11 JS Samples Against emberobserver3.1 JS Samples

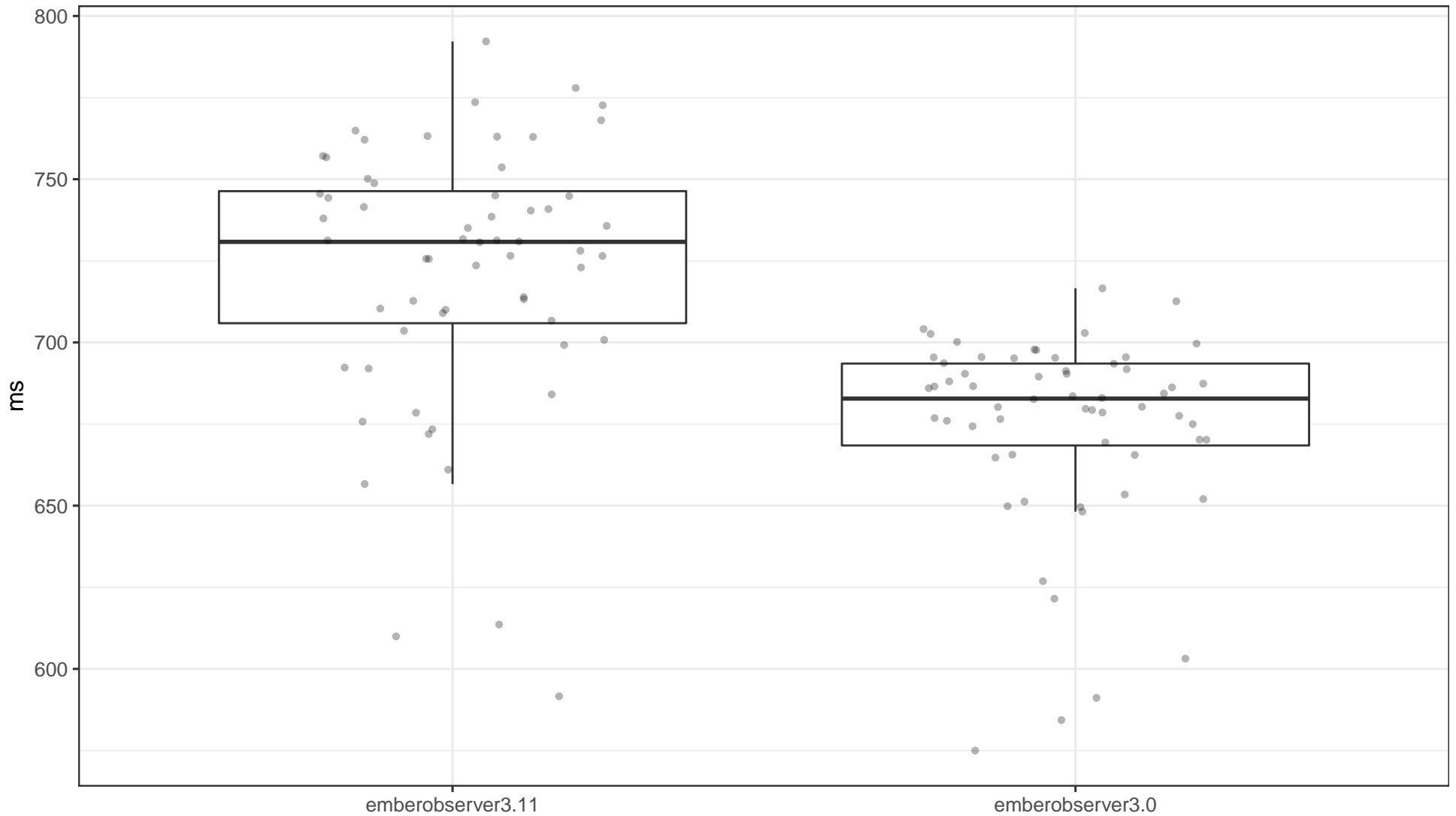


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.77 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +15.07ms, with a %95 confidence it is between +3.45ms and +24.43ms.

Test emberobserver3.11 JS Samples Against emberobserver3.0 JS Samples

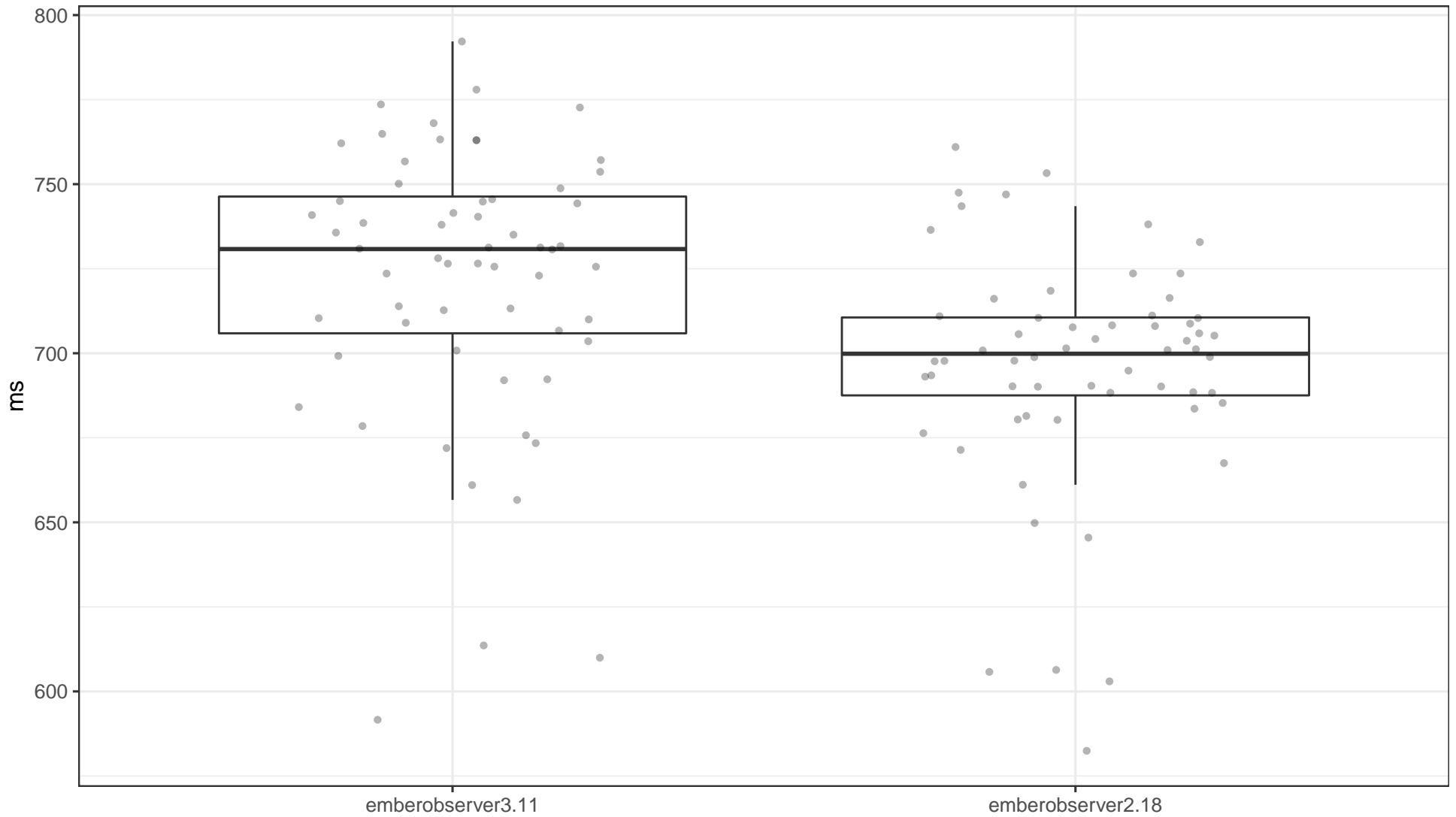


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +49.49ms, with a %95 confidence it is between +39.61ms and +59.82ms.

Test emberobserver3.11 JS Samples Against emberobserver2.18 JS Samples

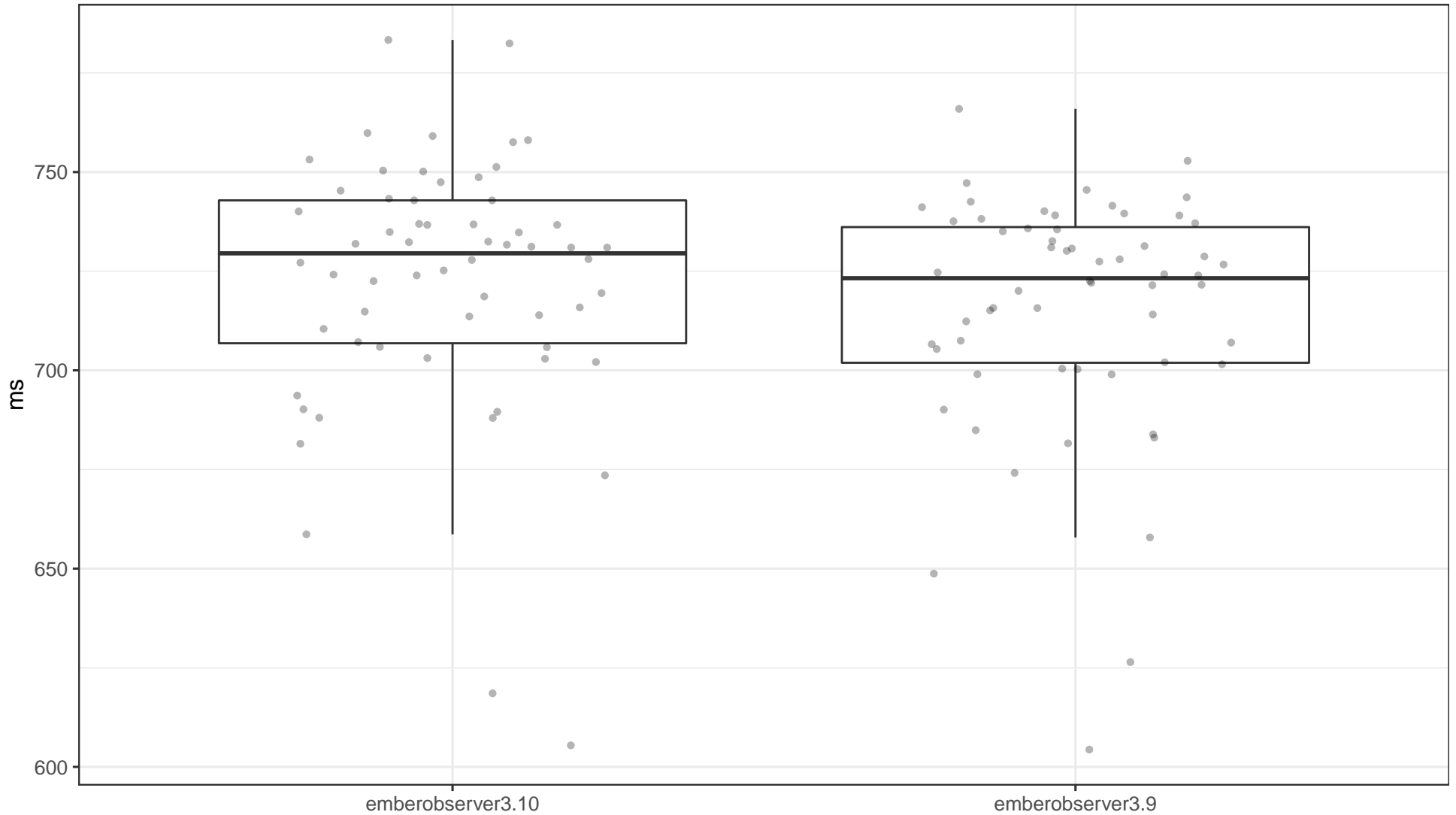


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +29.24ms, with a %95 confidence it is between +17.89ms and +39.97ms.

Test emberobserver3.10 JS Samples Against emberobserver3.9 JS Samples

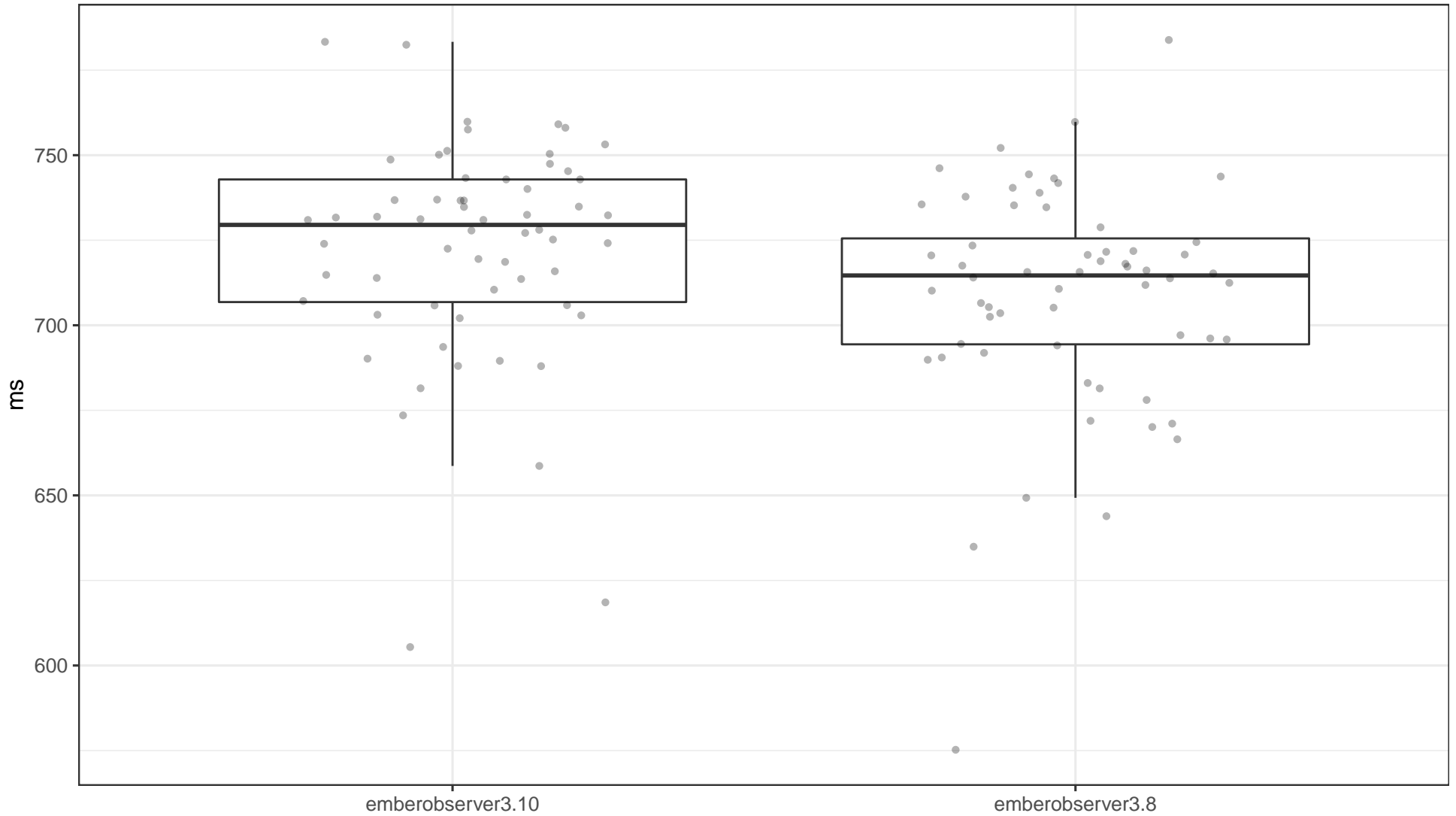


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %15.11 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +6.27ms, with a %95 confidence it is between -2.45ms and +15.25ms.

Test emberobserver3.10 JS Samples Against emberobserver3.8 JS Samples

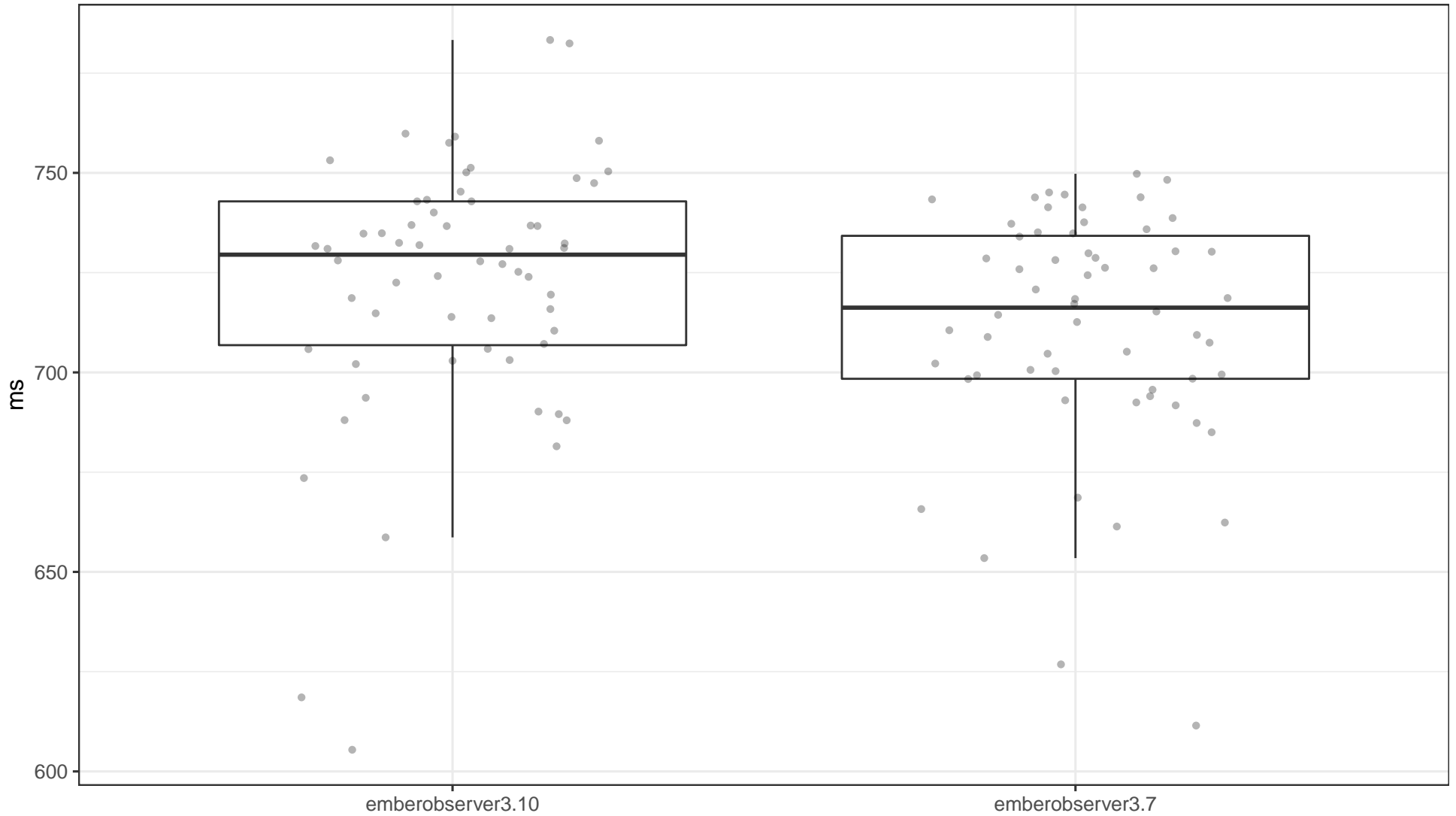


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.68 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +14.23ms, with a %95 confidence it is between +4.64ms and +23.48ms.

Test emberobserver3.10 JS Samples Against emberobserver3.7 JS Samples

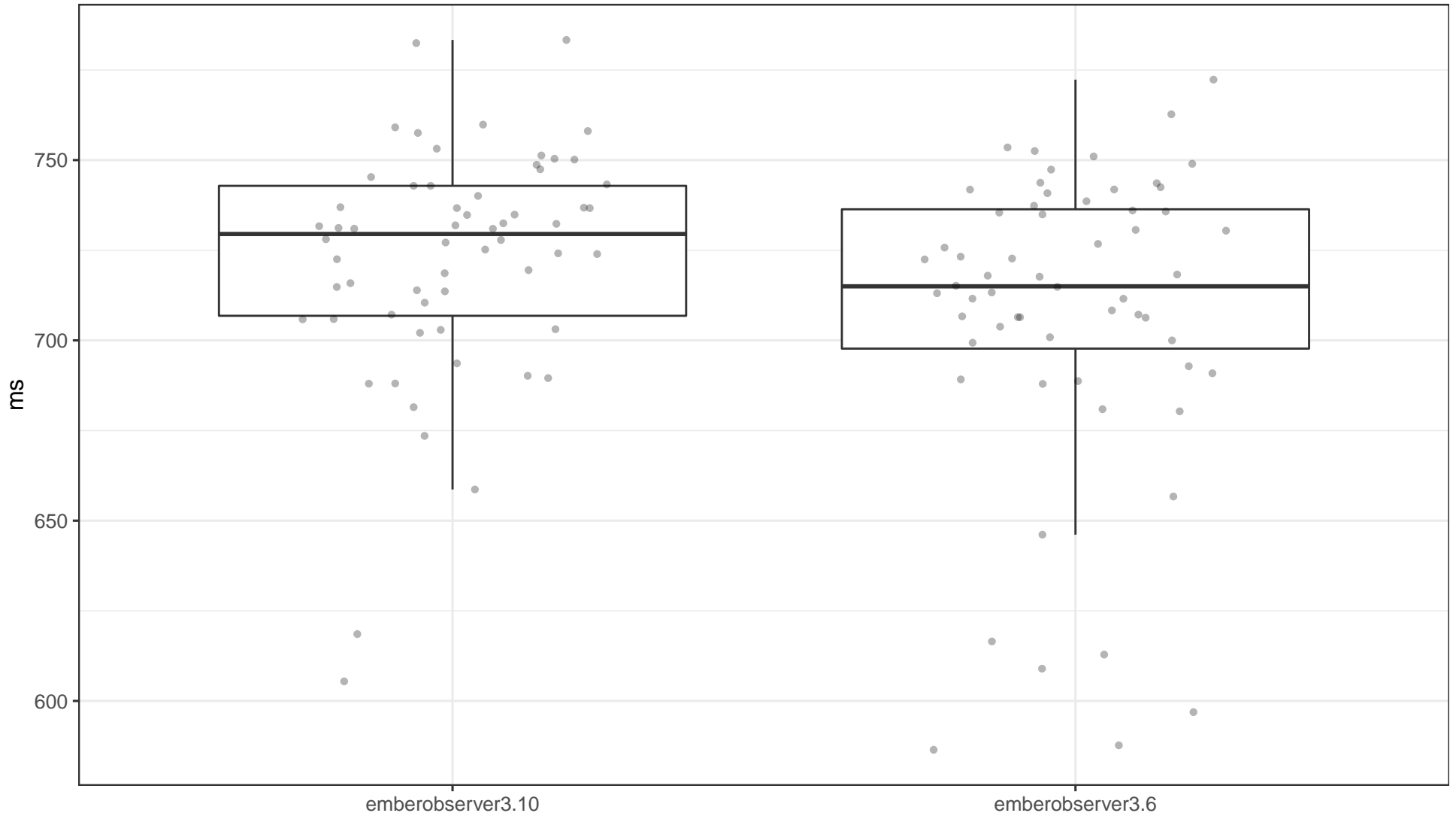


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %2.42 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +10.63ms, with a %95 confidence it is between +1.55ms and +20.51ms.

Test emberobserver3.10 JS Samples Against emberobserver3.6 JS Samples

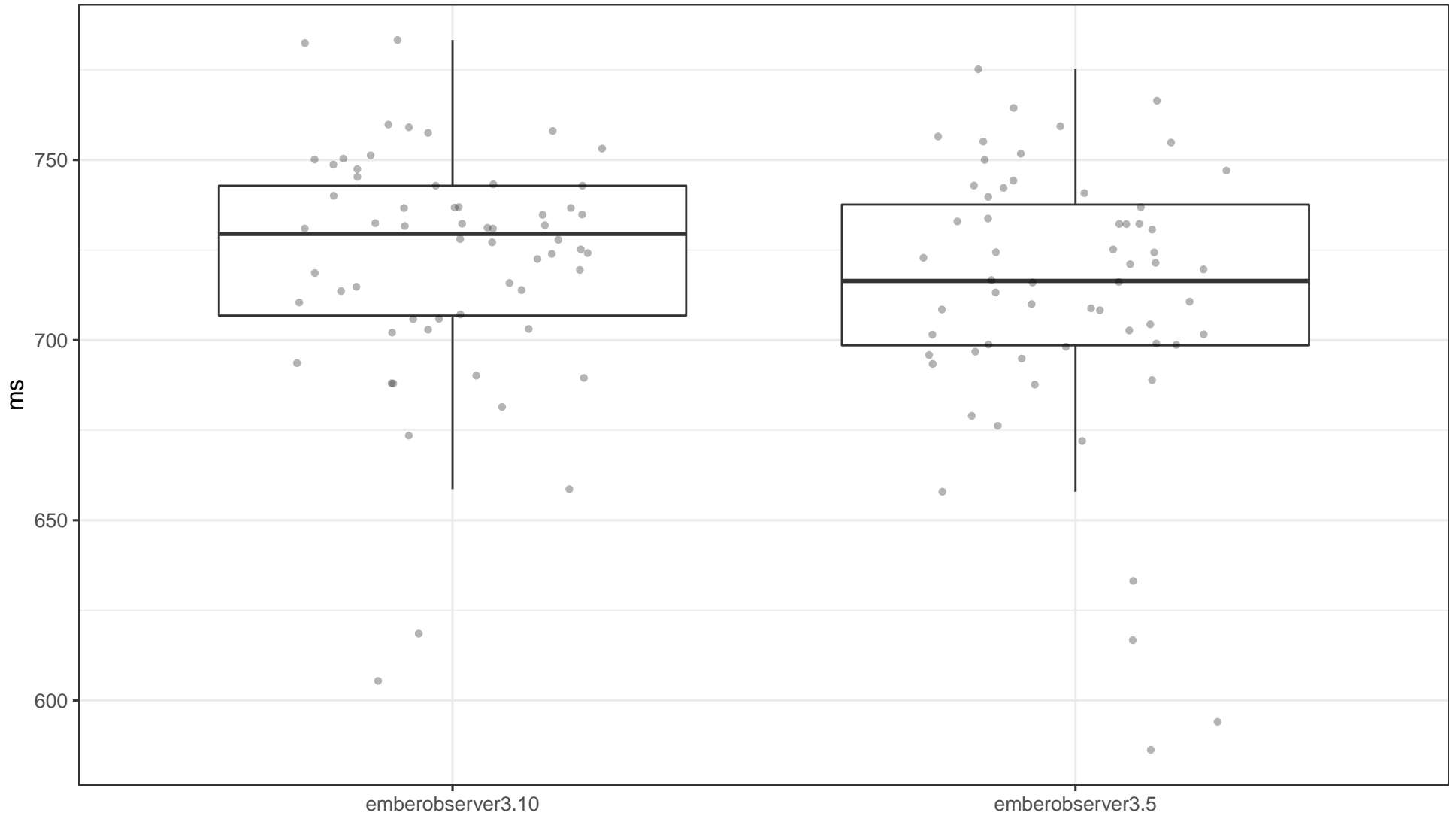


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %5.12 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +10.11ms, with a %95 confidence it is between -0.03ms and +21.18ms.

Test emberobserver3.10 JS Samples Against emberobserver3.5 JS Samples

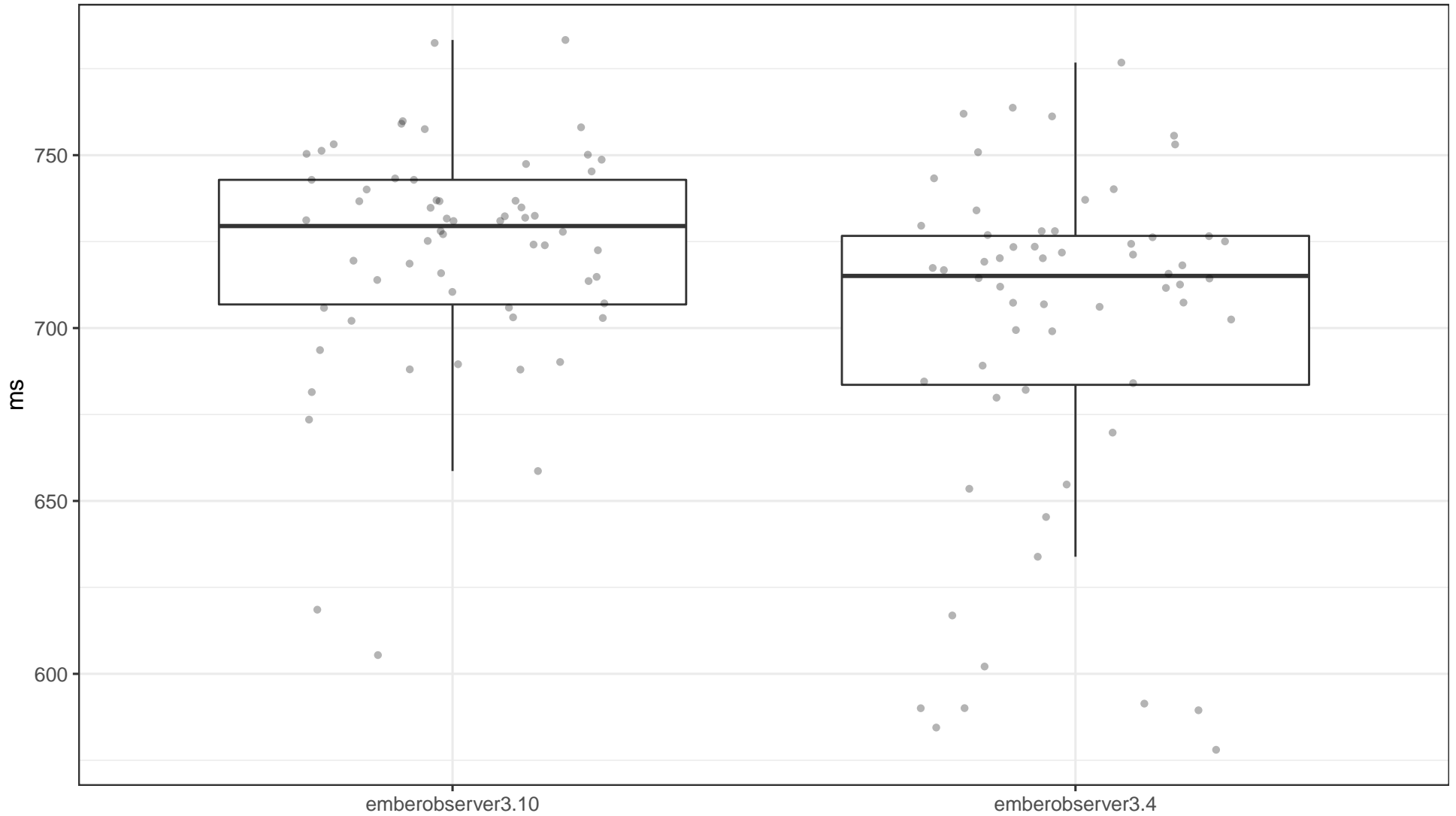


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %11.84 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +8.36ms, with a %95 confidence it is between -2.09ms and +19.01ms.

Test emberobserver3.10 JS Samples Against emberobserver3.4 JS Samples

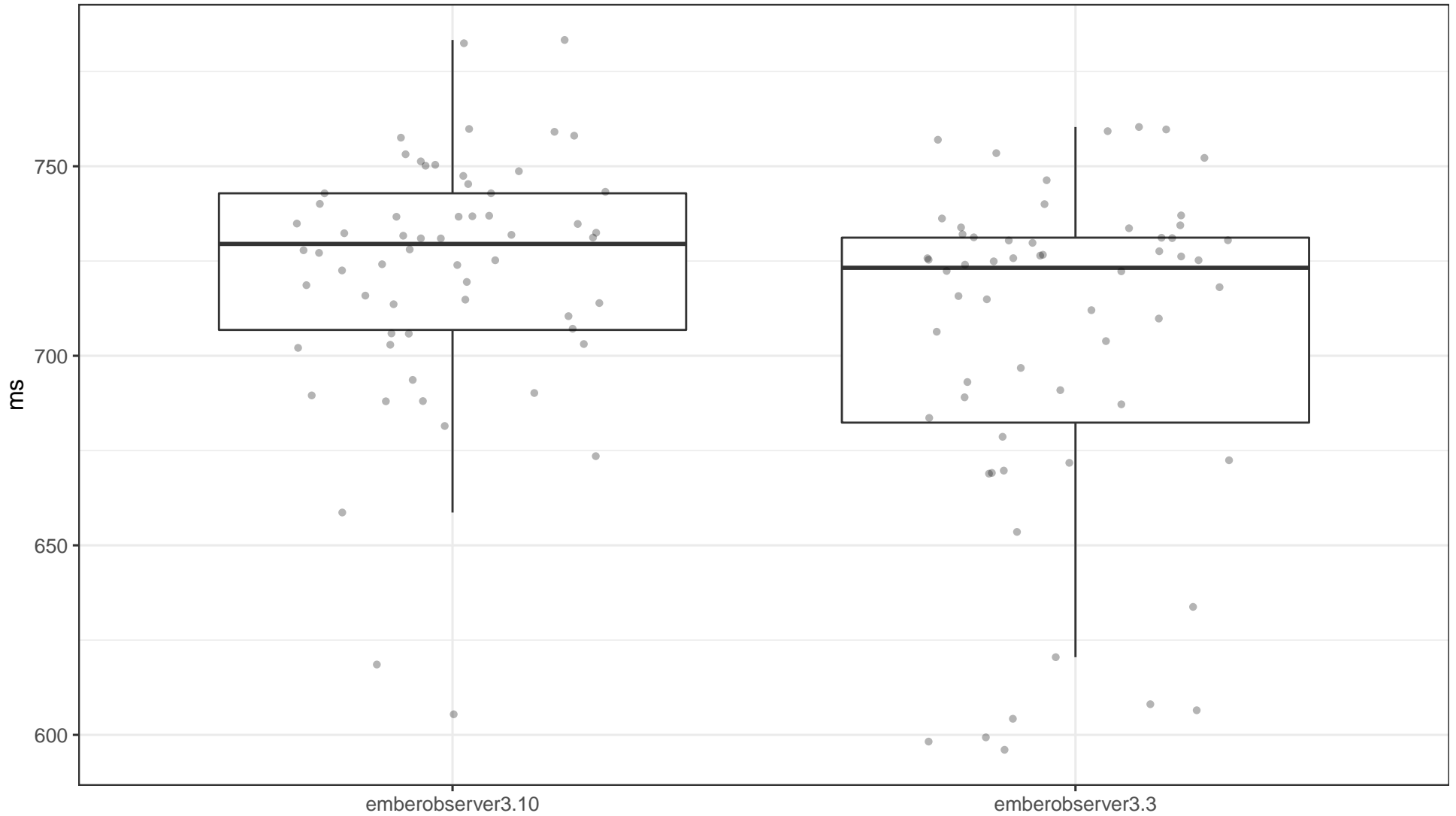


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.38 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +16.08ms, with a %95 confidence it is between +5.64ms and +26.84ms.

Test emberobserver3.10 JS Samples Against emberobserver3.3 JS Samples

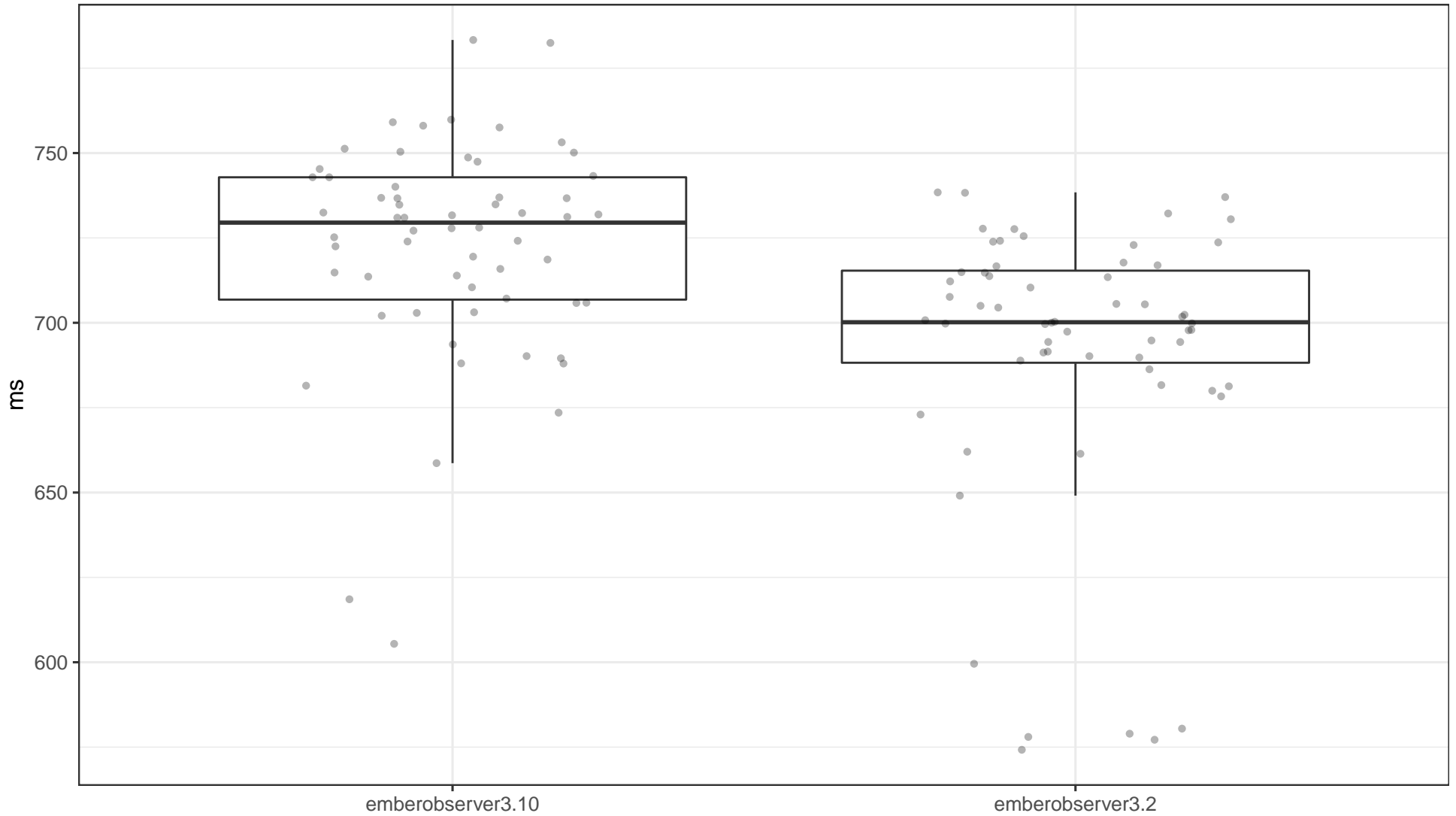


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %1.75 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +11.77ms, with a %95 confidence it is between +1.76ms and +23.49ms.

Test emberobserver3.10 JS Samples Against emberobserver3.2 JS Samples

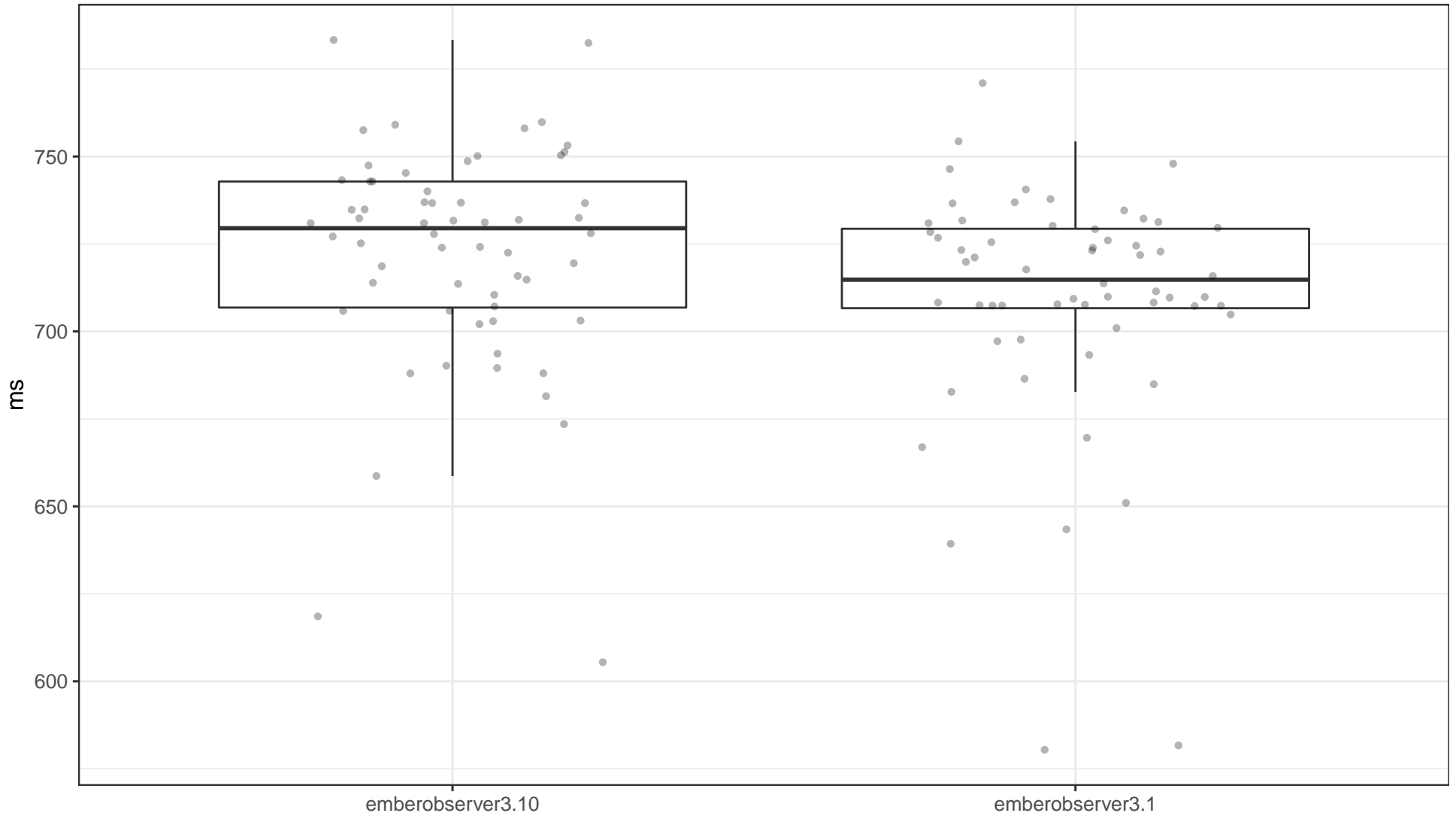


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +26.50ms, with a %95 confidence it is between +17.15ms and +35.38ms.

Test emberobserver3.10 JS Samples Against emberobserver3.1 JS Samples

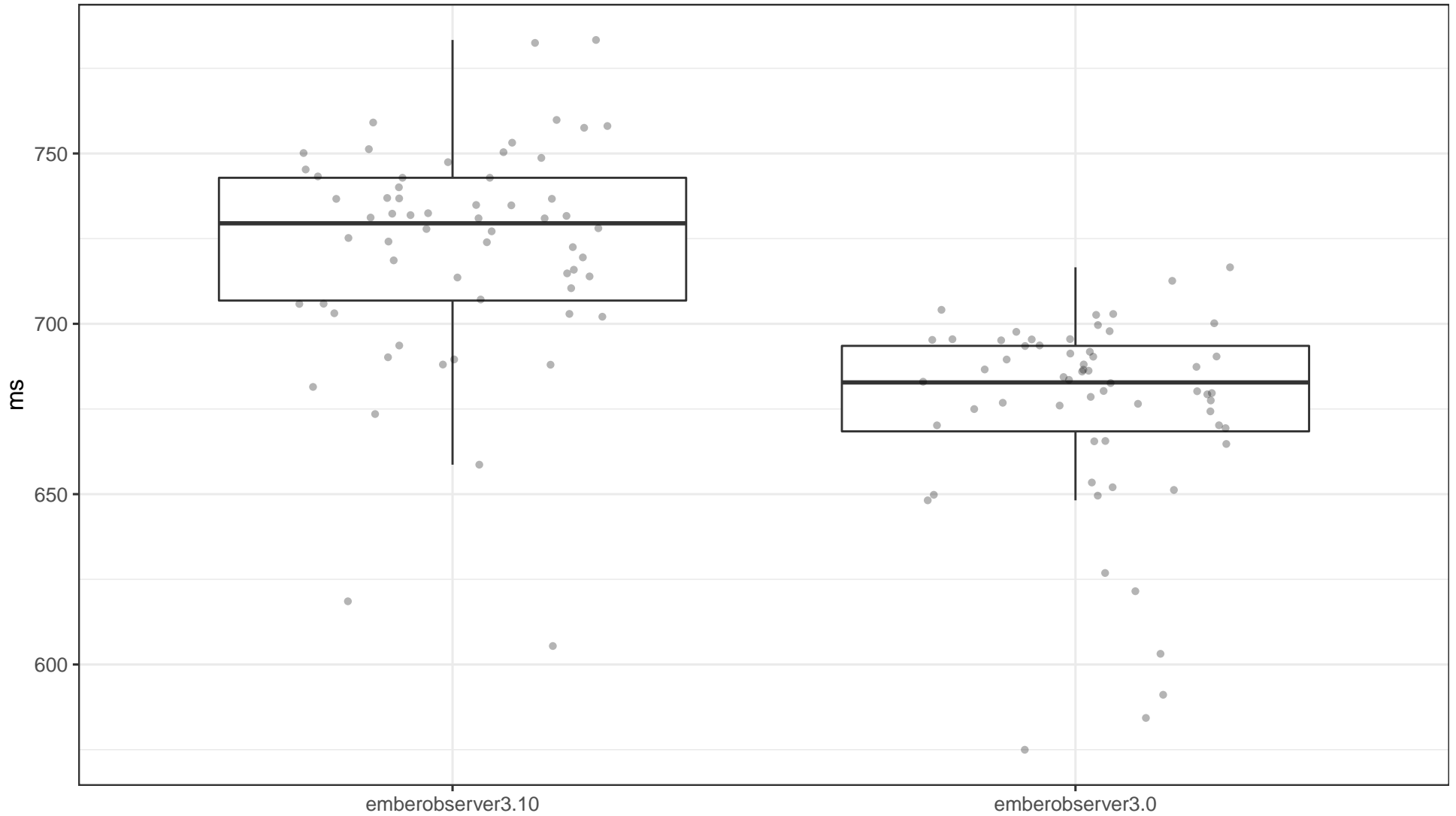


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.90 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +11.80ms, with a %95 confidence it is between +3.15ms and +21.05ms.

Test emberobserver3.10 JS Samples Against emberobserver3.0 JS Samples

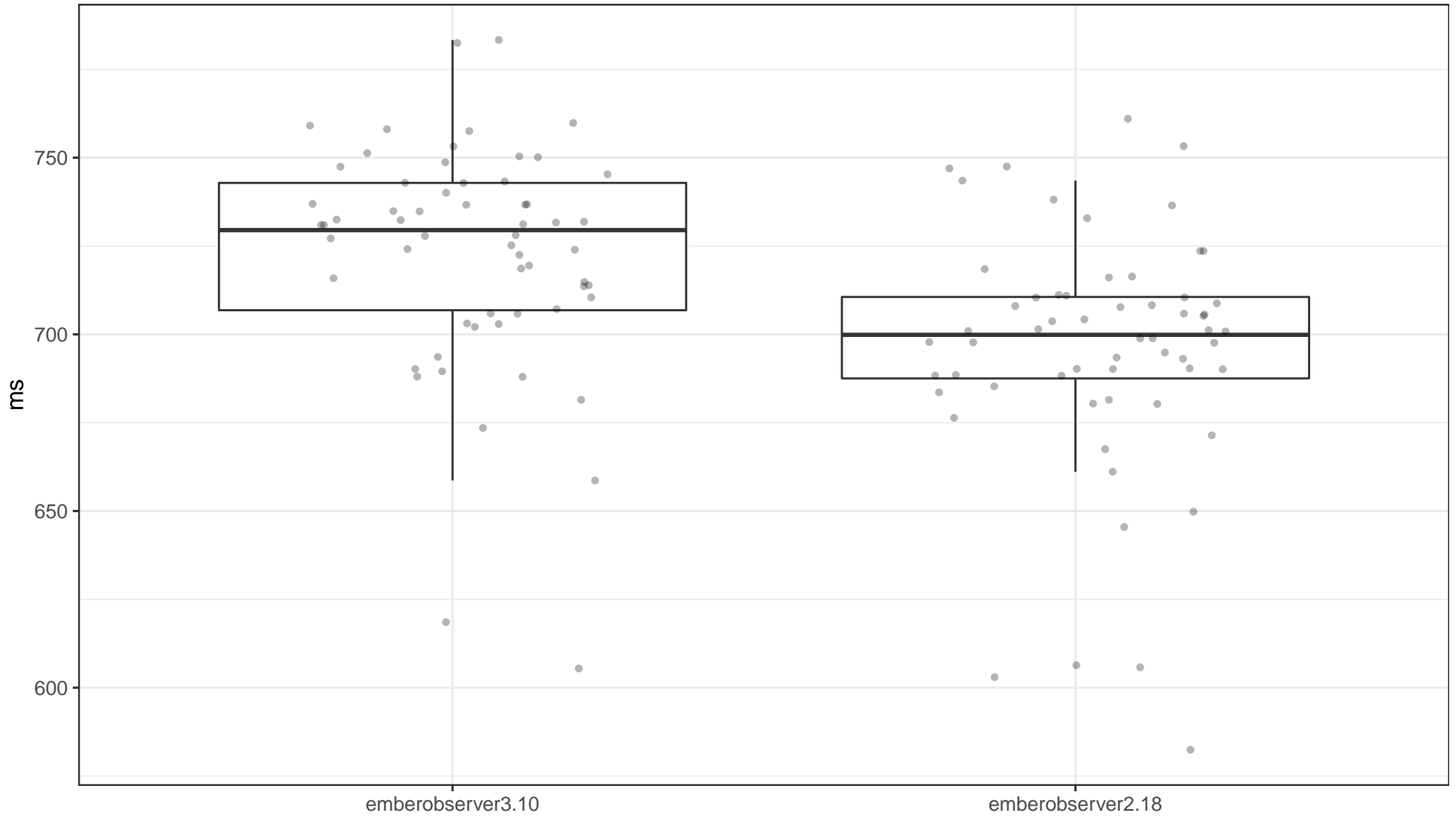


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +47.28ms, with a %95 confidence it is between +38.66ms and +55.18ms.

Test emberobserver3.10 JS Samples Against emberobserver2.18 JS Samples

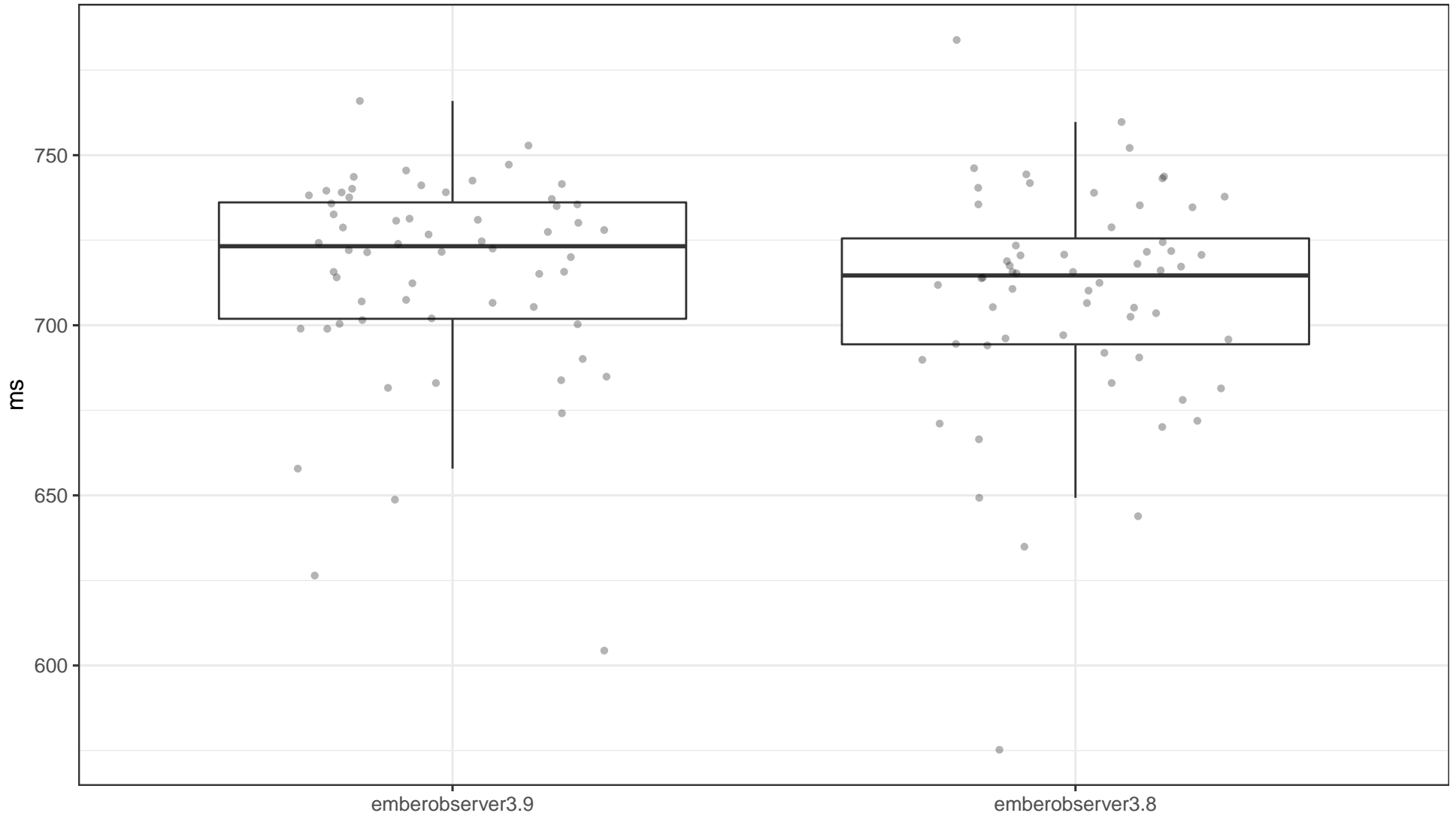


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +26.86ms, with a %95 confidence it is between +17.51ms and +36.55ms.

Test emberobserver3.9 JS Samples Against emberobserver3.8 JS Samples

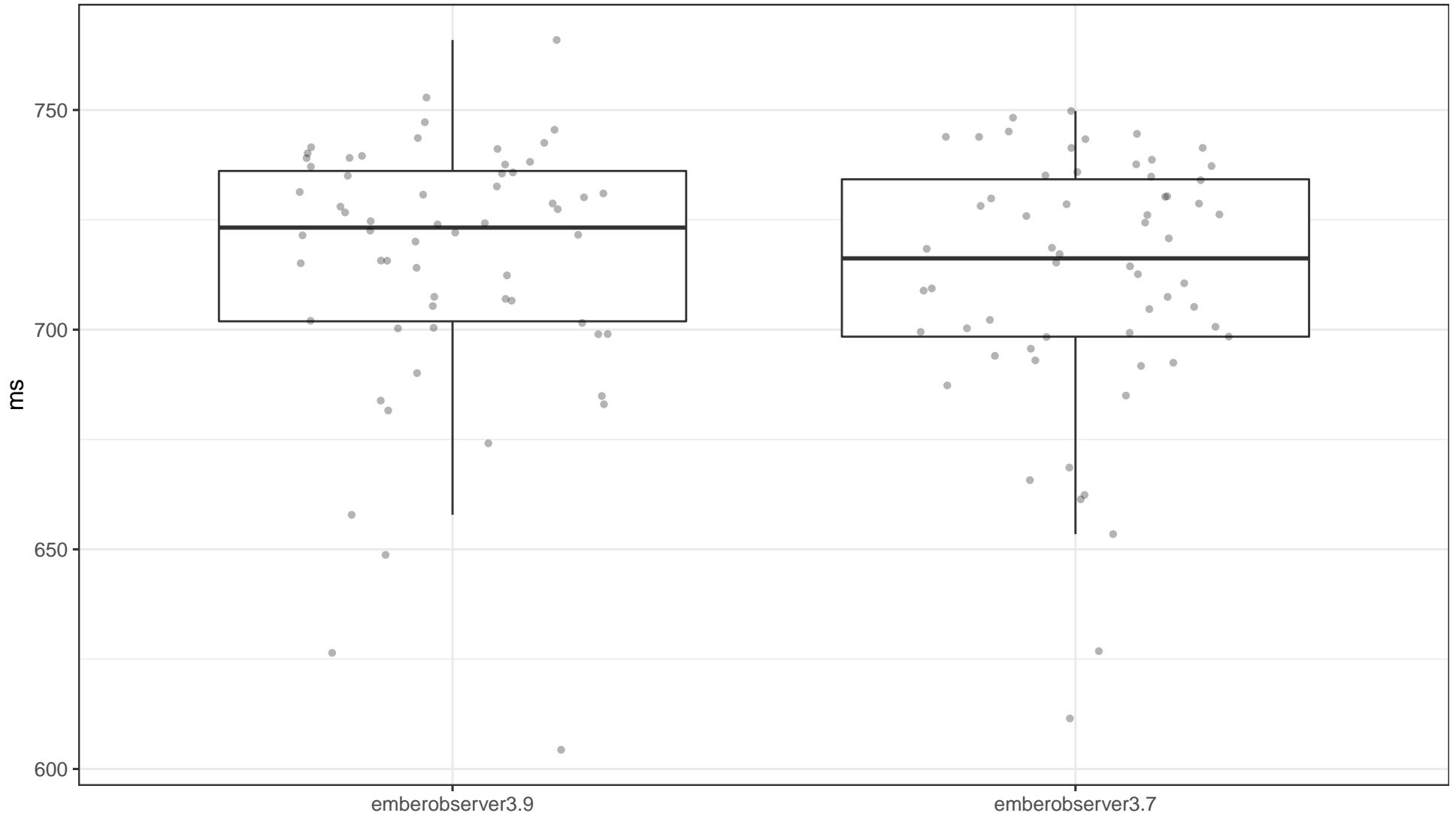


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %9.46 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +7.97ms, with a %95 confidence it is between -1.65ms and +17.30ms.

Test emberobserver3.9 JS Samples Against emberobserver3.7 JS Samples

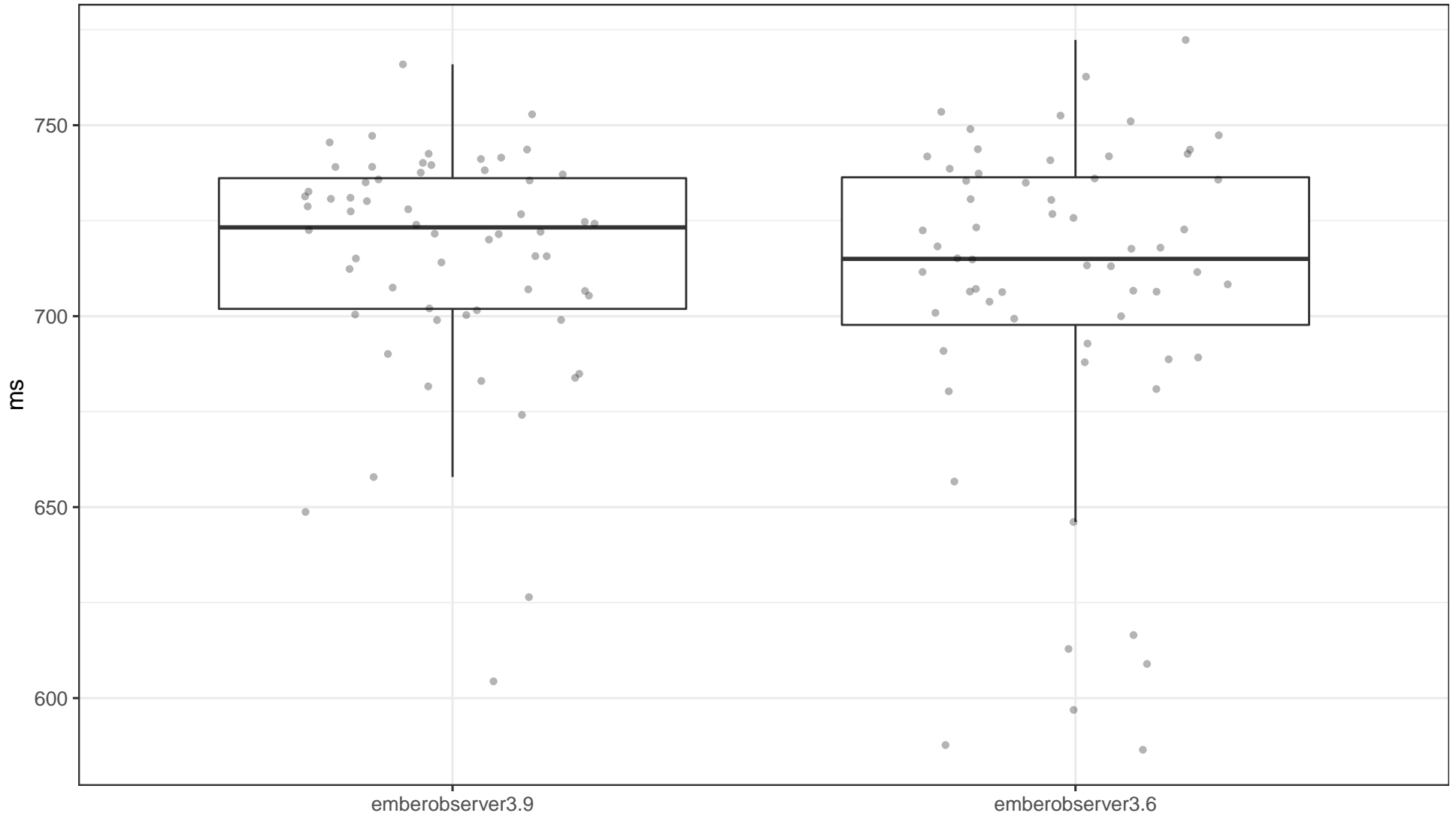


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %34.88 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +4.07ms, with a %95 confidence it is between -4.32ms and +13.15ms.

Test emberobserver3.9 JS Samples Against emberobserver3.6 JS Samples

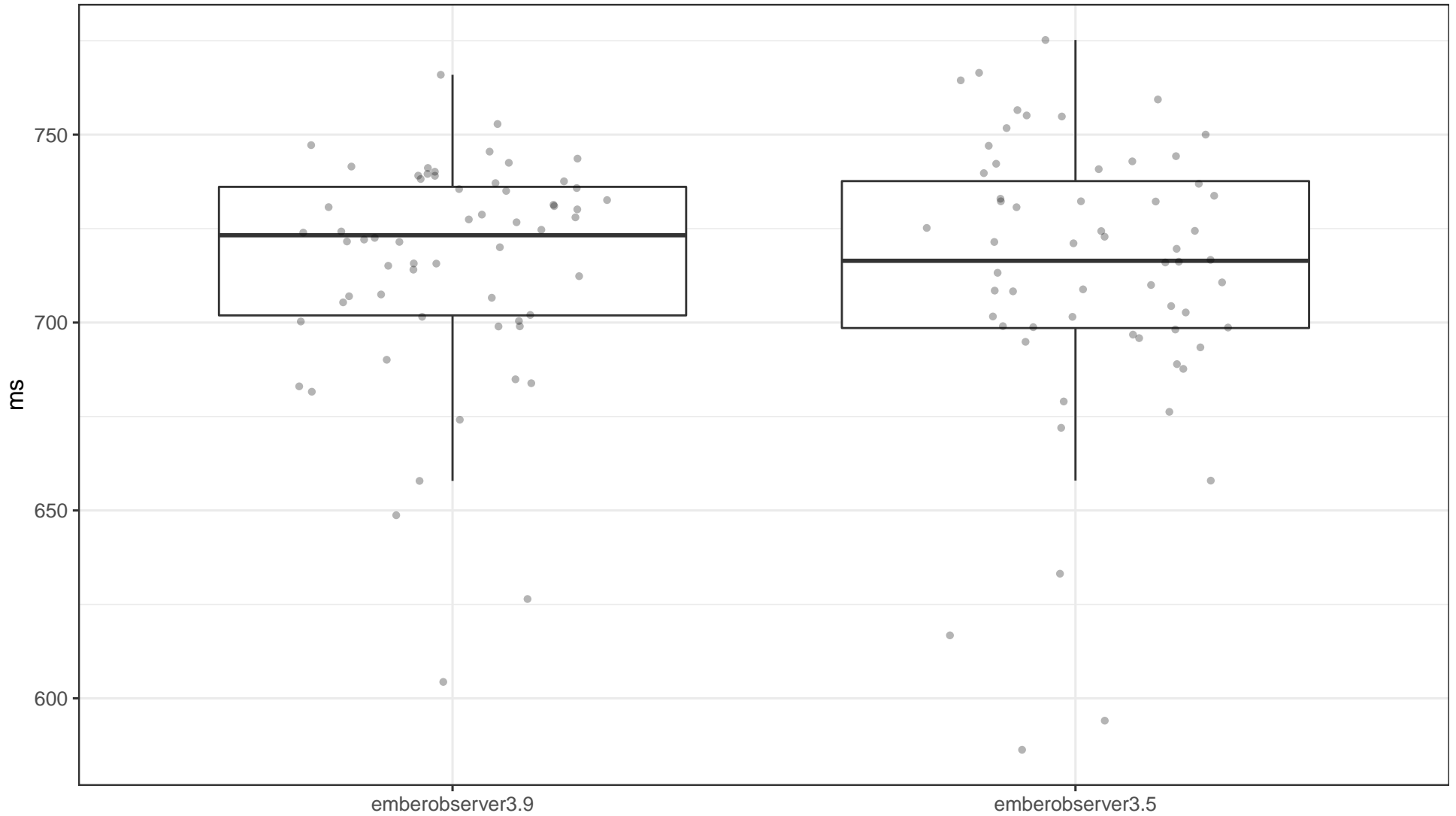


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %47.70 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +3.50ms, with a %95 confidence it is between -6.17ms and +14.37ms.

Test emberobserver3.9 JS Samples Against emberobserver3.5 JS Samples

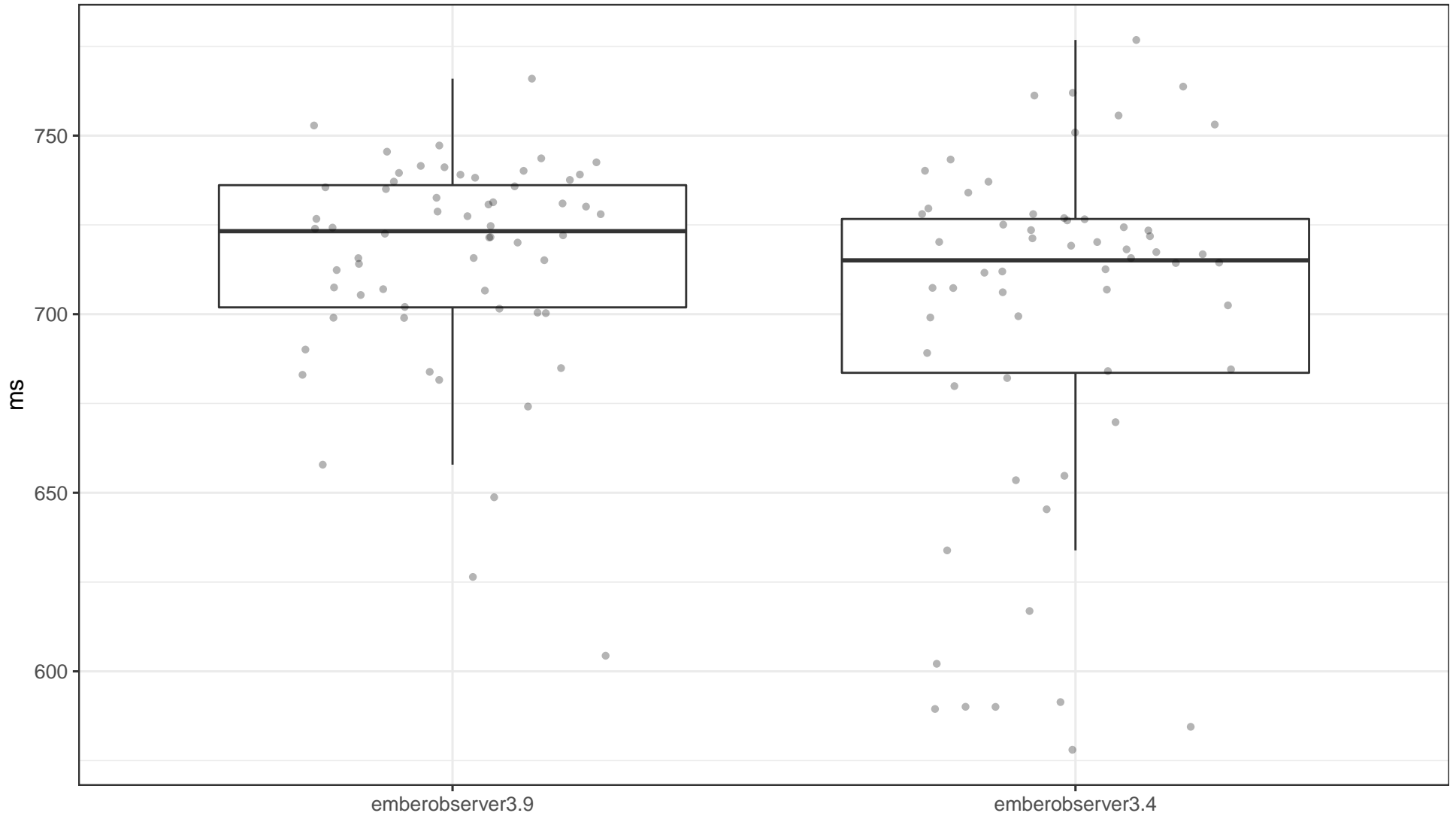


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %70.75 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +2.26ms, with a %95 confidence it is between -8.71ms and +12.13ms.

Test emberobserver3.9 JS Samples Against emberobserver3.4 JS Samples

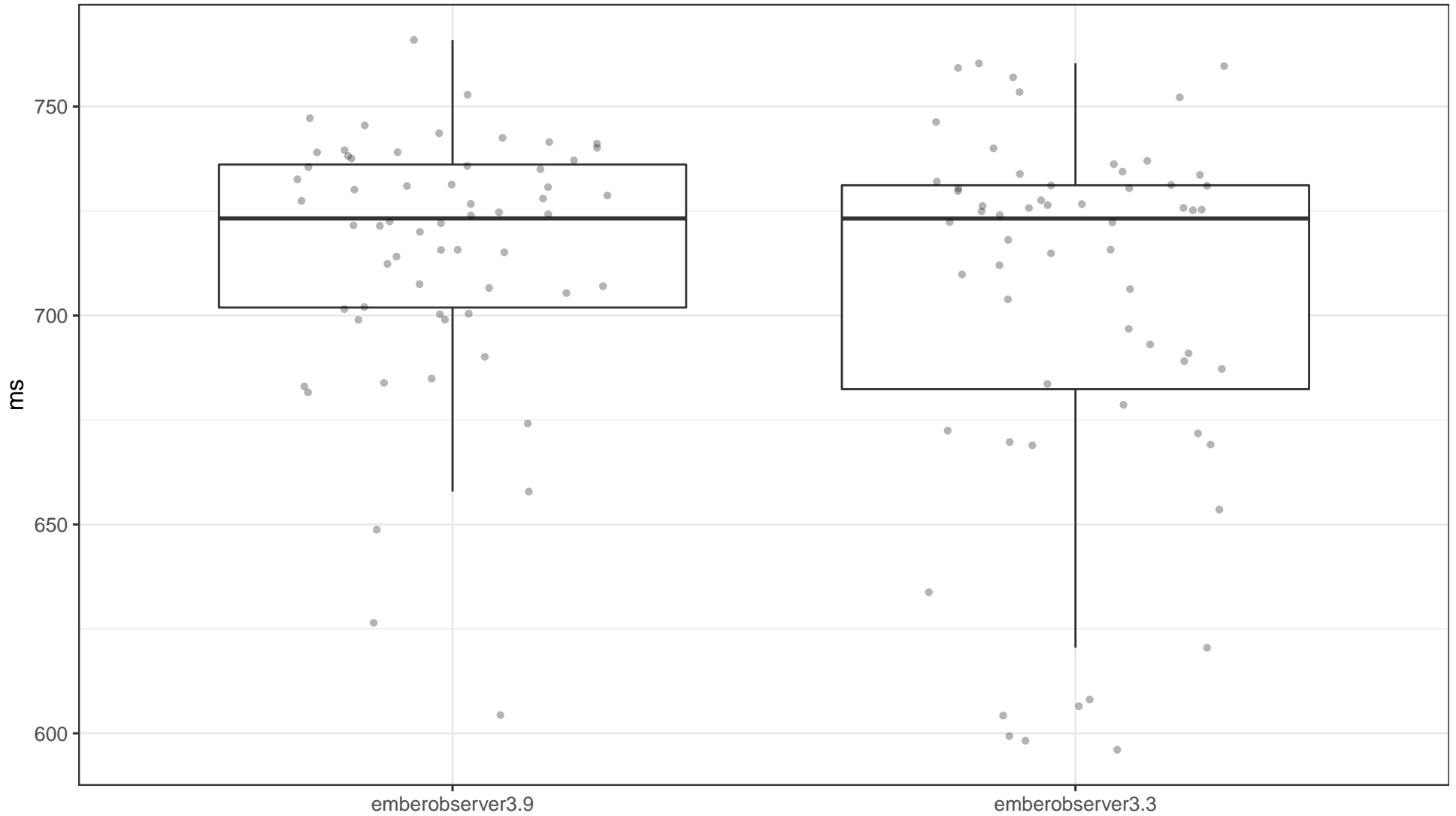


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %5.92 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +9.86ms, with a %95 confidence it is between -0.25ms and +19.19ms.

Test emberobserver3.9 JS Samples Against emberobserver3.3 JS Samples

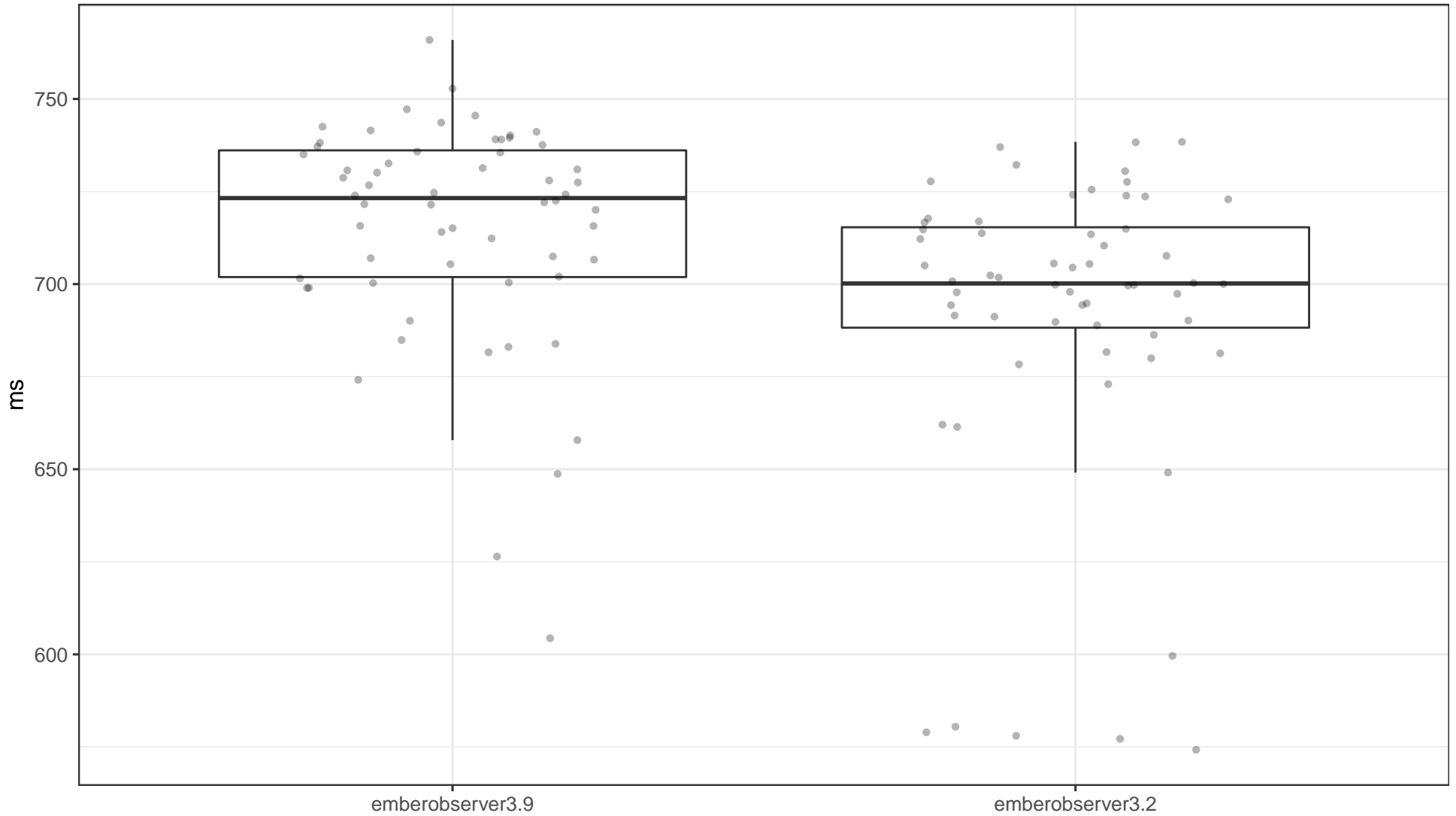


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %23.25 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +5.72ms, with a %95 confidence it is between -3.73ms and +14.87ms.

Test emberobserver3.9 JS Samples Against emberobserver3.2 JS Samples

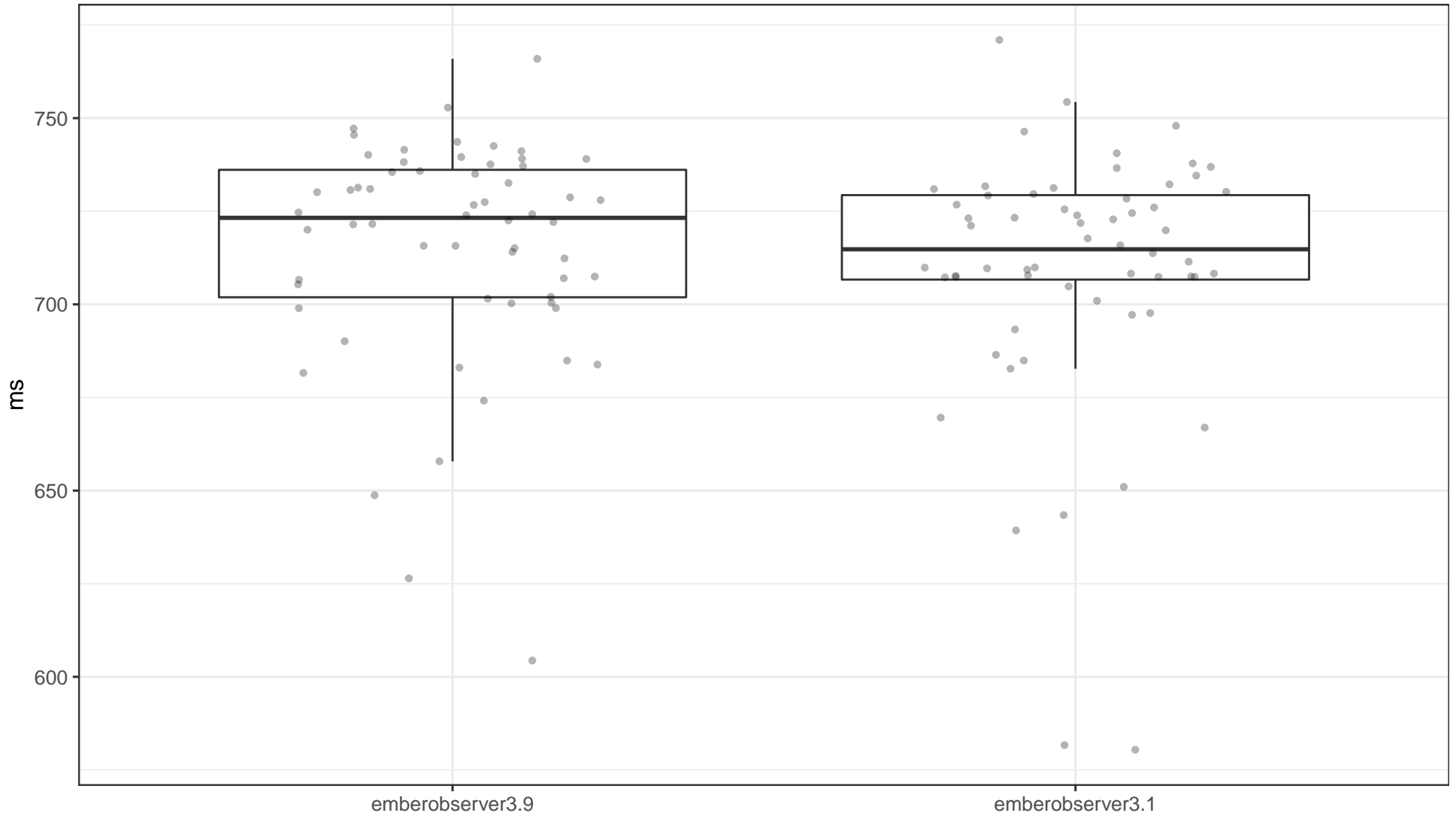


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +20.38ms, with a %95 confidence it is between +11.09ms and +28.81ms.

Test emberobserver3.9 JS Samples Against emberobserver3.1 JS Samples

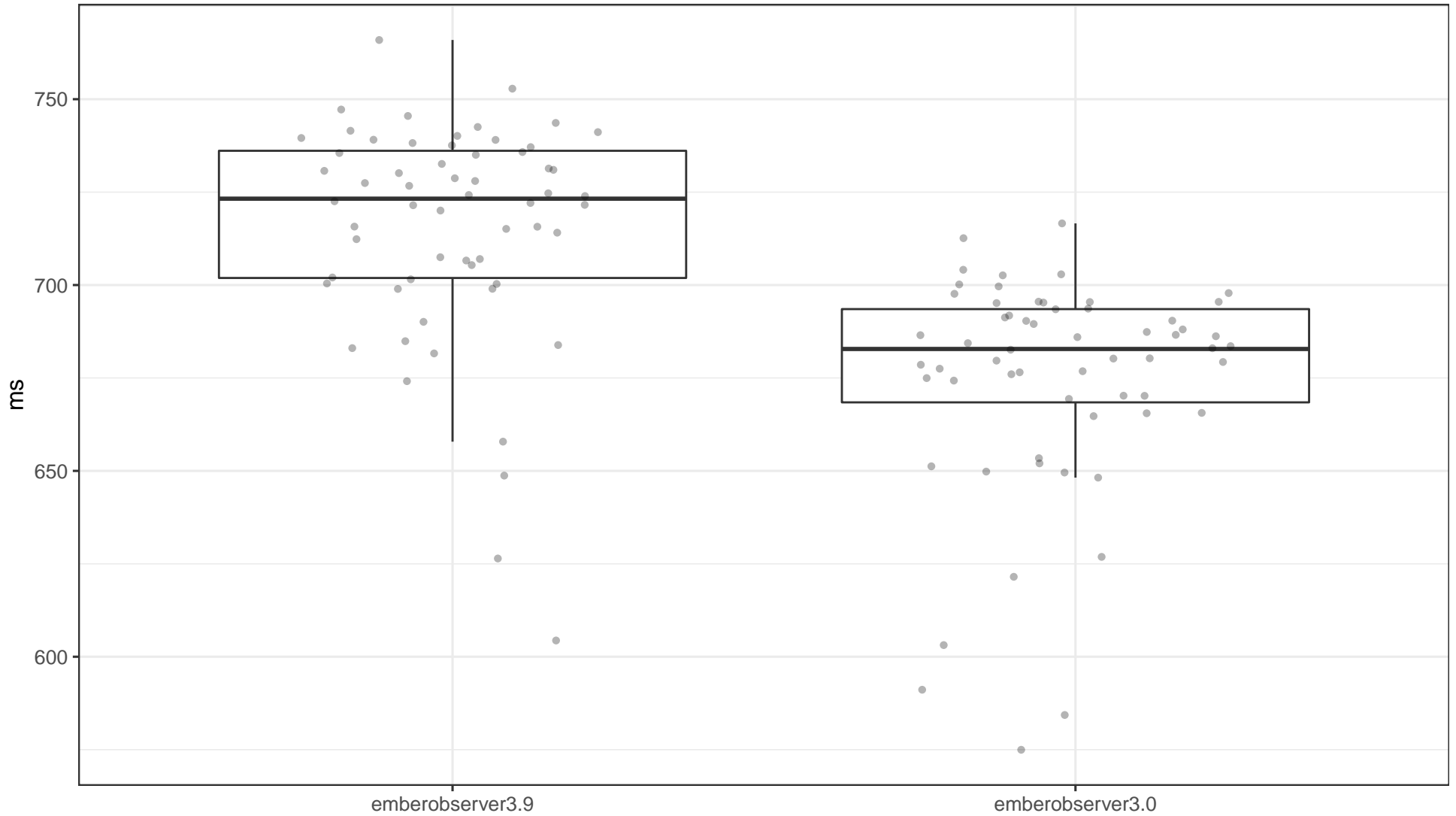


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %19.21 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +5.84ms, with a %95 confidence it is between -2.40ms and +14.12ms.

Test emberobserver3.9 JS Samples Against emberobserver3.0 JS Samples

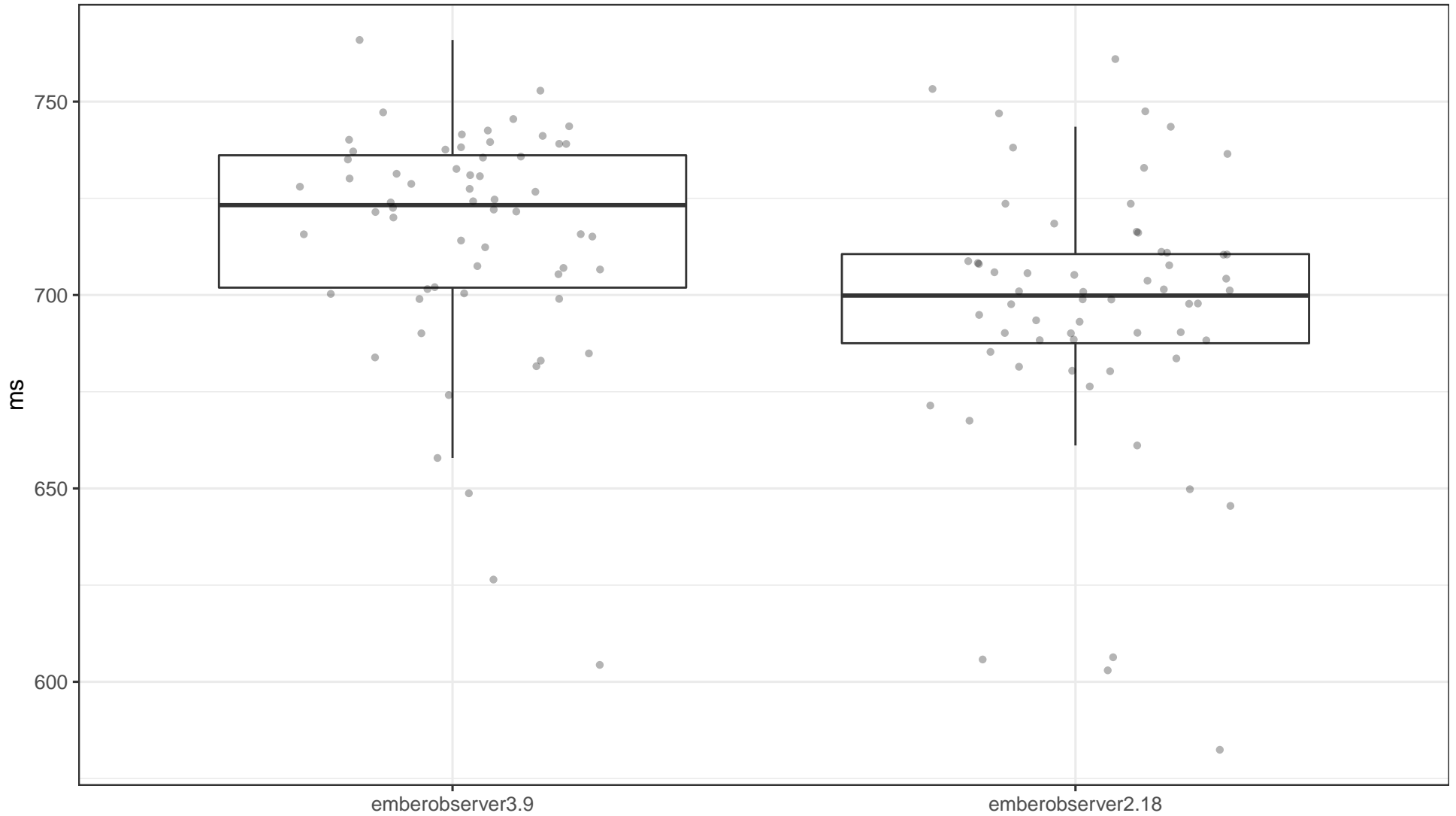


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +41.15ms, with a %95 confidence it is between +33.21ms and +48.47ms.

Test emberobserver3.9 JS Samples Against emberobserver2.18 JS Samples

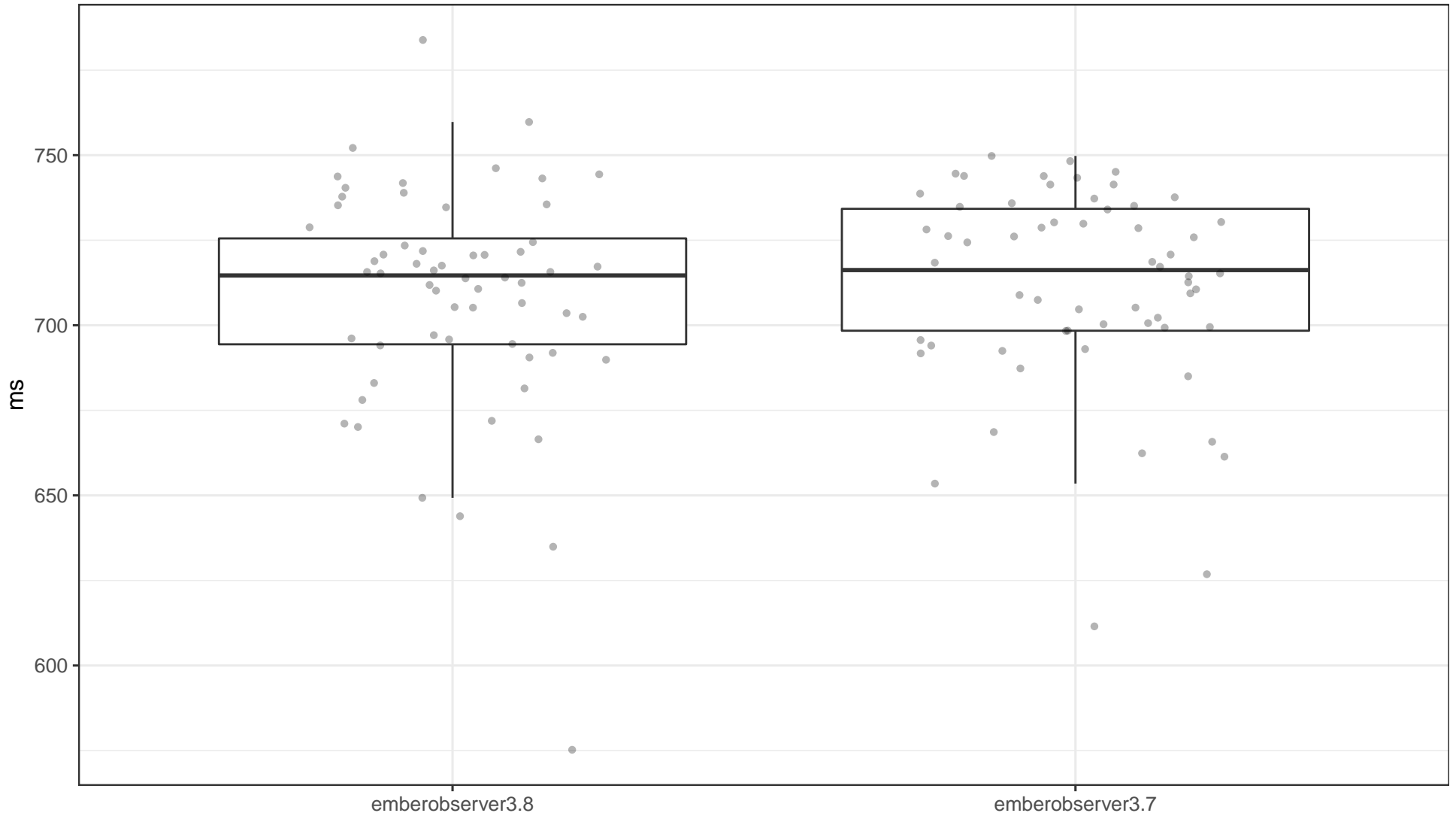


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.01 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +21.62ms, with a %95 confidence it is between +11.91ms and +30.20ms.

Test emberobserver3.8 JS Samples Against emberobserver3.7 JS Samples

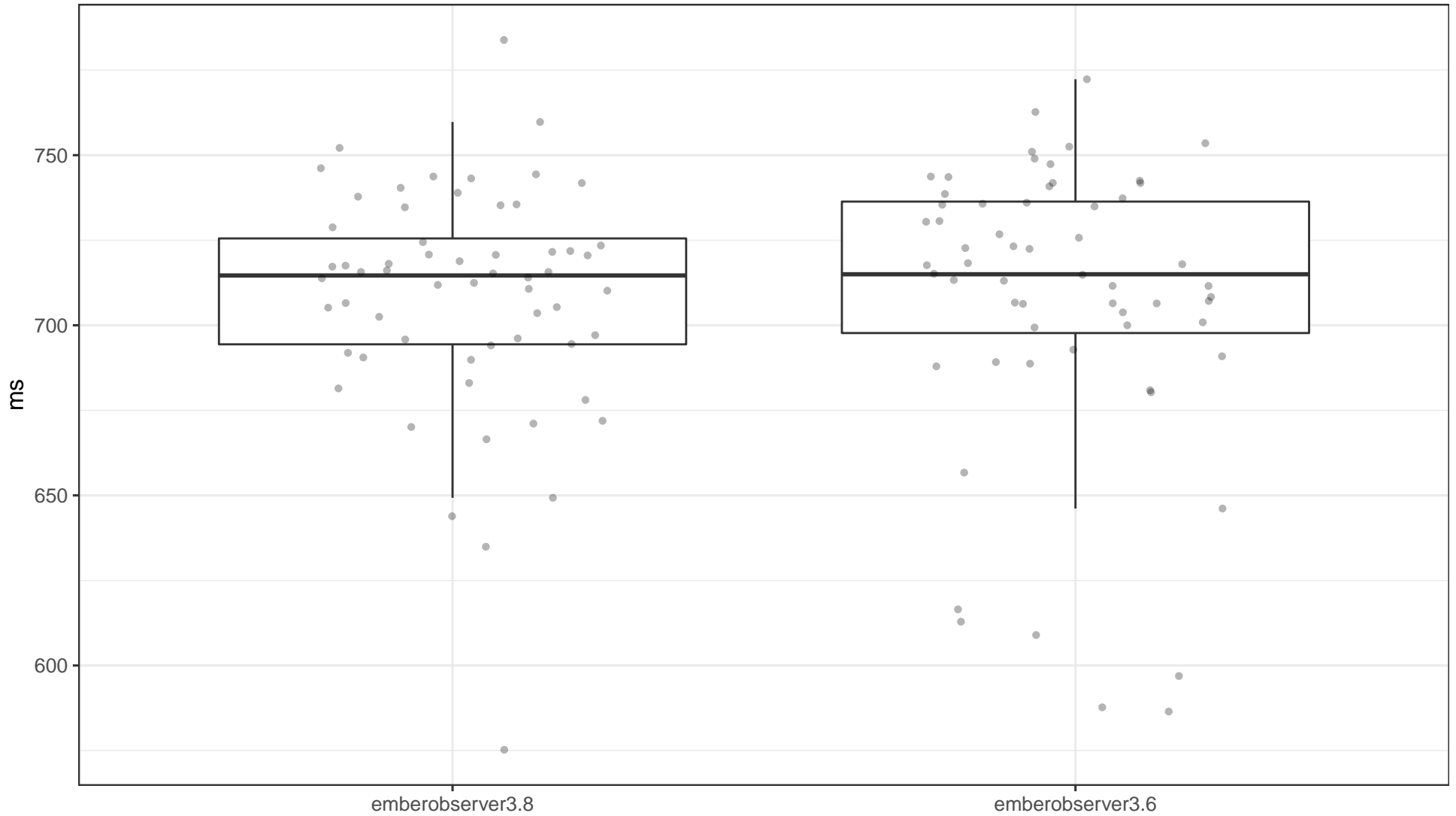


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %56.90 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -3.14ms , with a %95 confidence it is between -13.04ms and $+6.96\text{ms}$.

Test emberobserver3.8 JS Samples Against emberobserver3.6 JS Samples

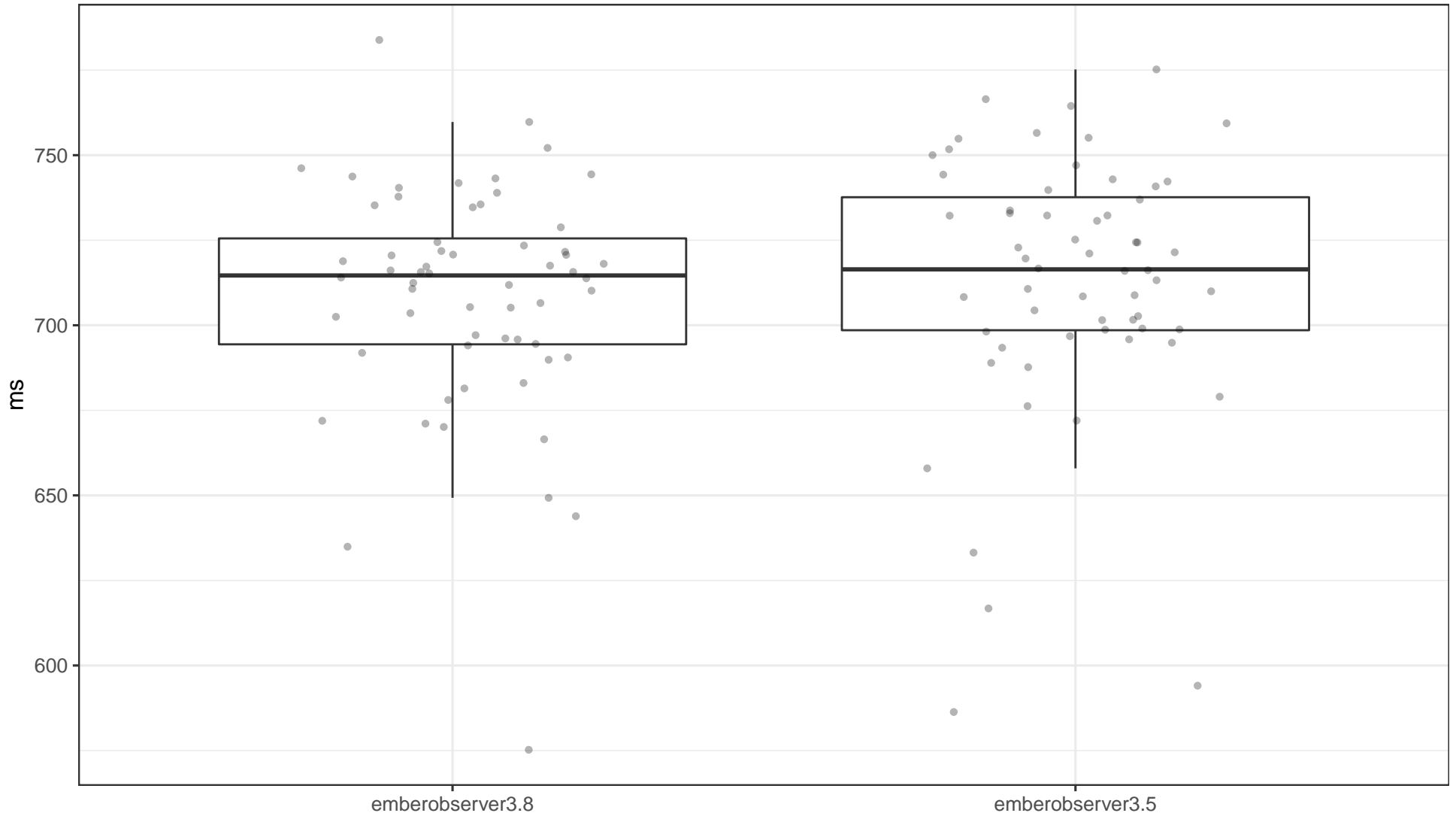


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %55.14 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -2.96ms , with a %95 confidence it is between -14.45ms and $+7.24\text{ms}$.

Test emberobserver3.8 JS Samples Against emberobserver3.5 JS Samples

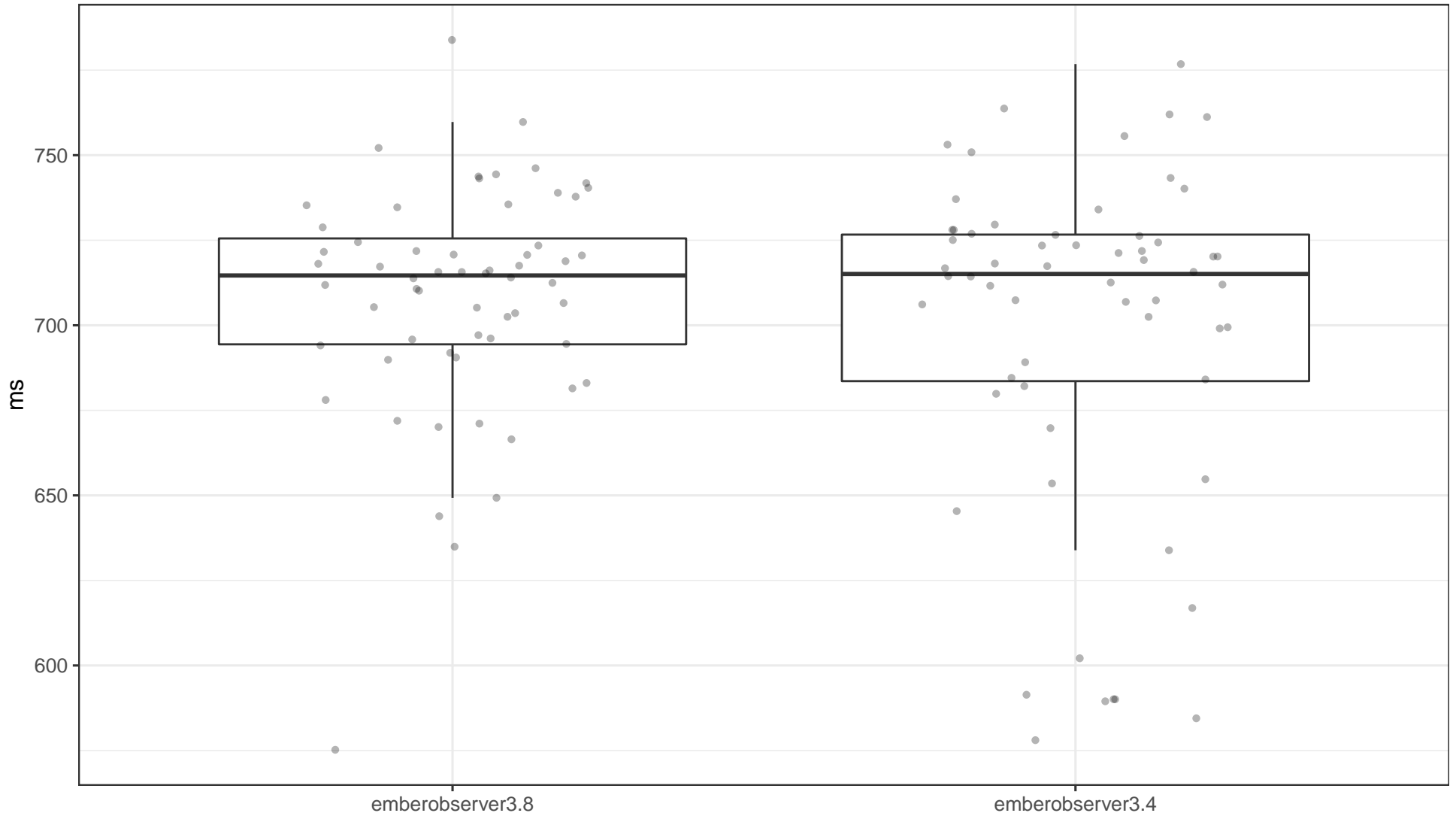


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %31.99 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -5.42ms , with a %95 confidence it is between -16.48ms and $+5.34\text{ms}$.

Test emberobserver3.8 JS Samples Against emberobserver3.4 JS Samples

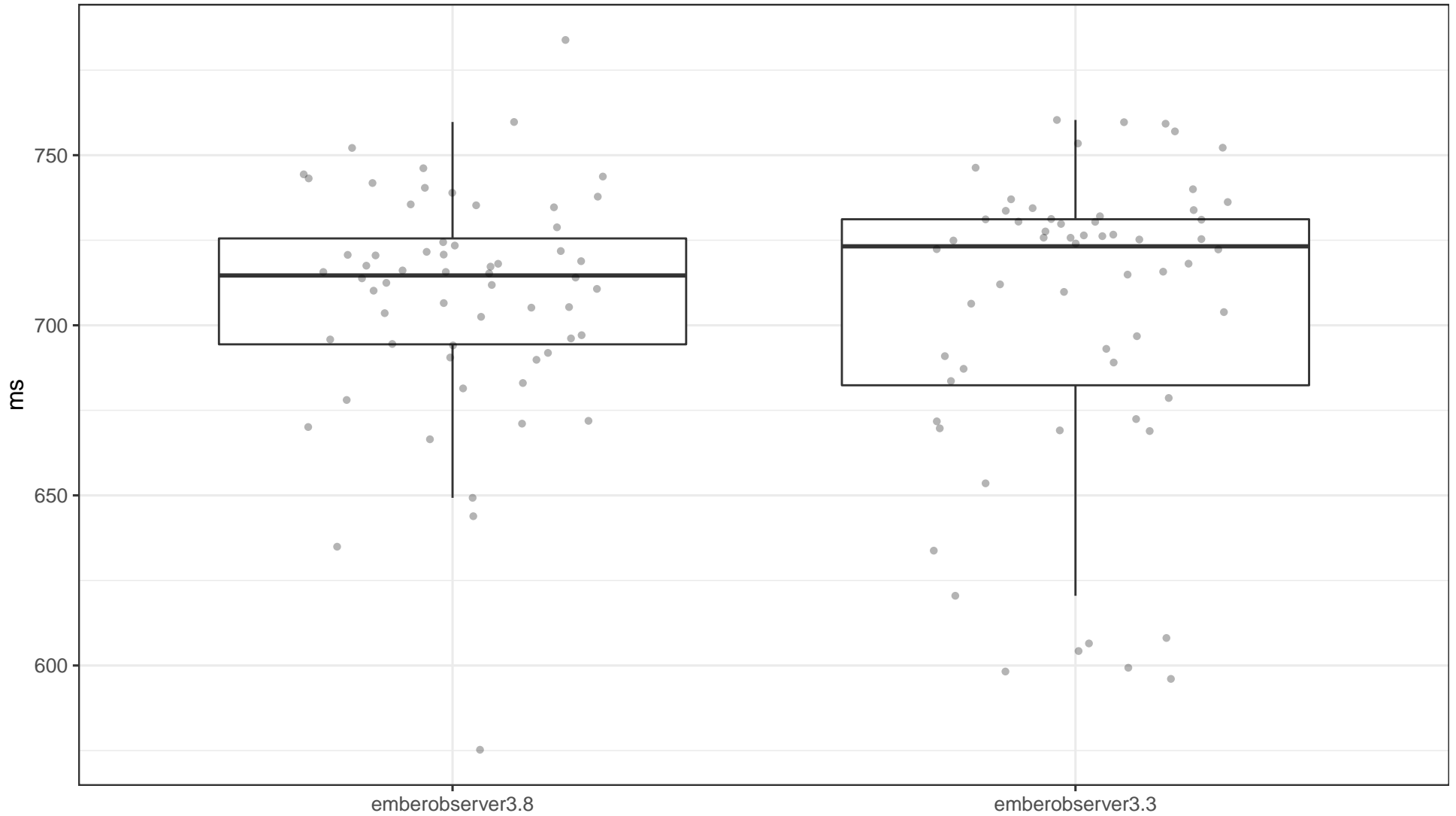


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %85.01 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +1.16ms, with a %95 confidence it is between -9.06ms and +13.81ms.

Test emberobserver3.8 JS Samples Against emberobserver3.3 JS Samples

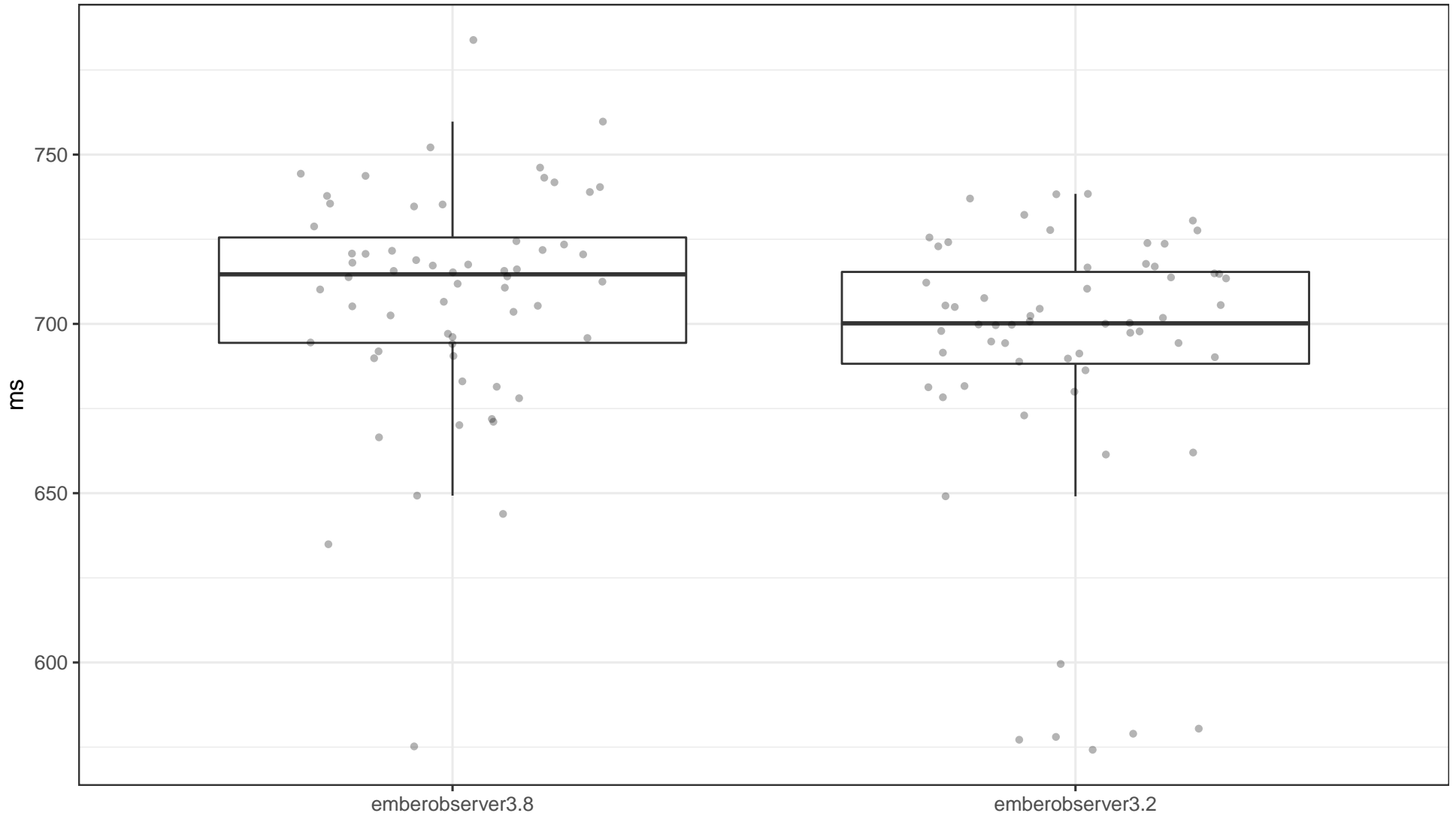


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %69.97 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -2.34ms , with a %95 confidence it is between -12.73ms and $+10.89\text{ms}$.

Test emberobserver3.8 JS Samples Against emberobserver3.2 JS Samples

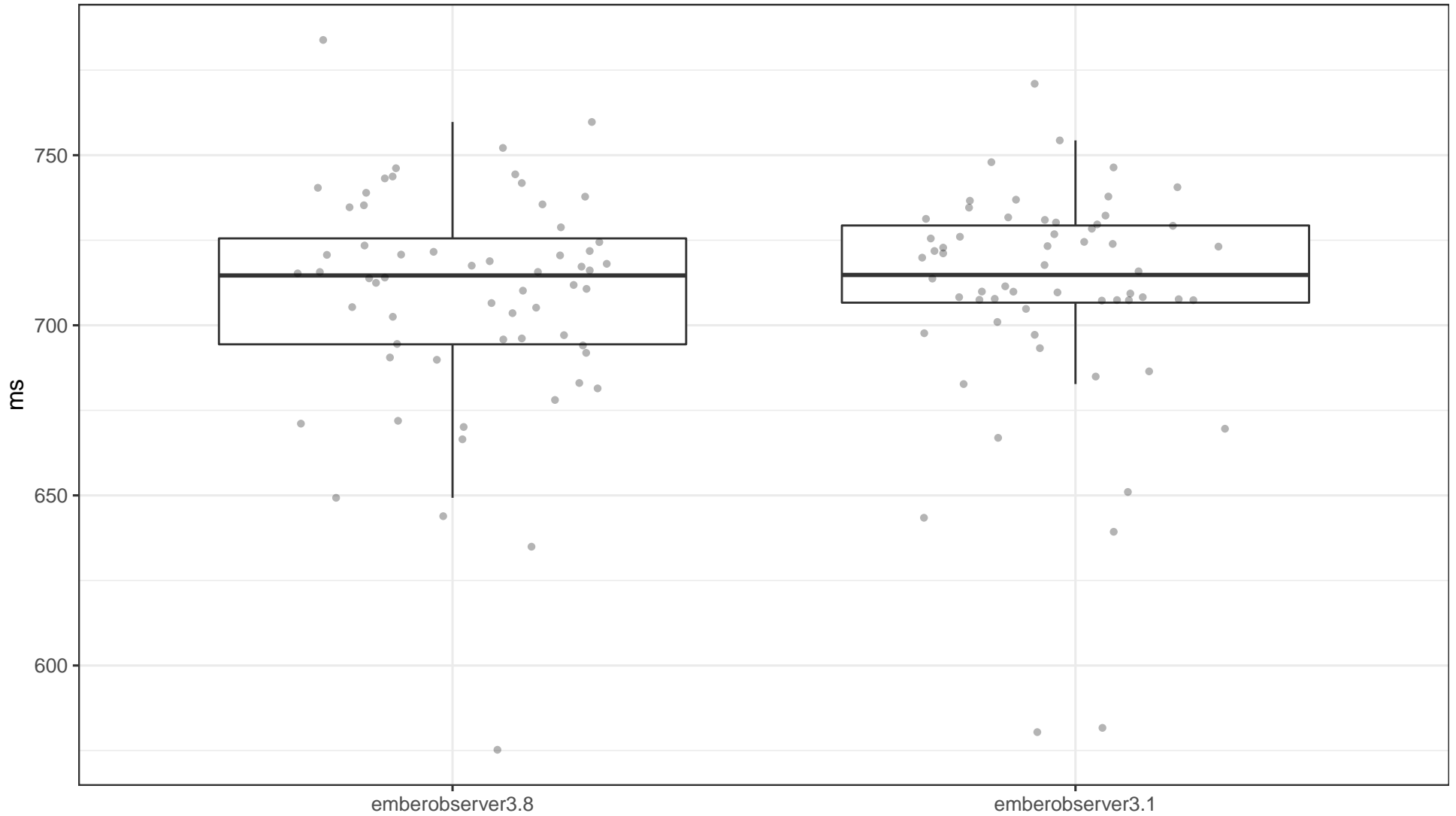


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %1.22 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +12.66ms, with a %95 confidence it is between +2.95ms and +21.33ms.

Test emberobserver3.8 JS Samples Against emberobserver3.1 JS Samples

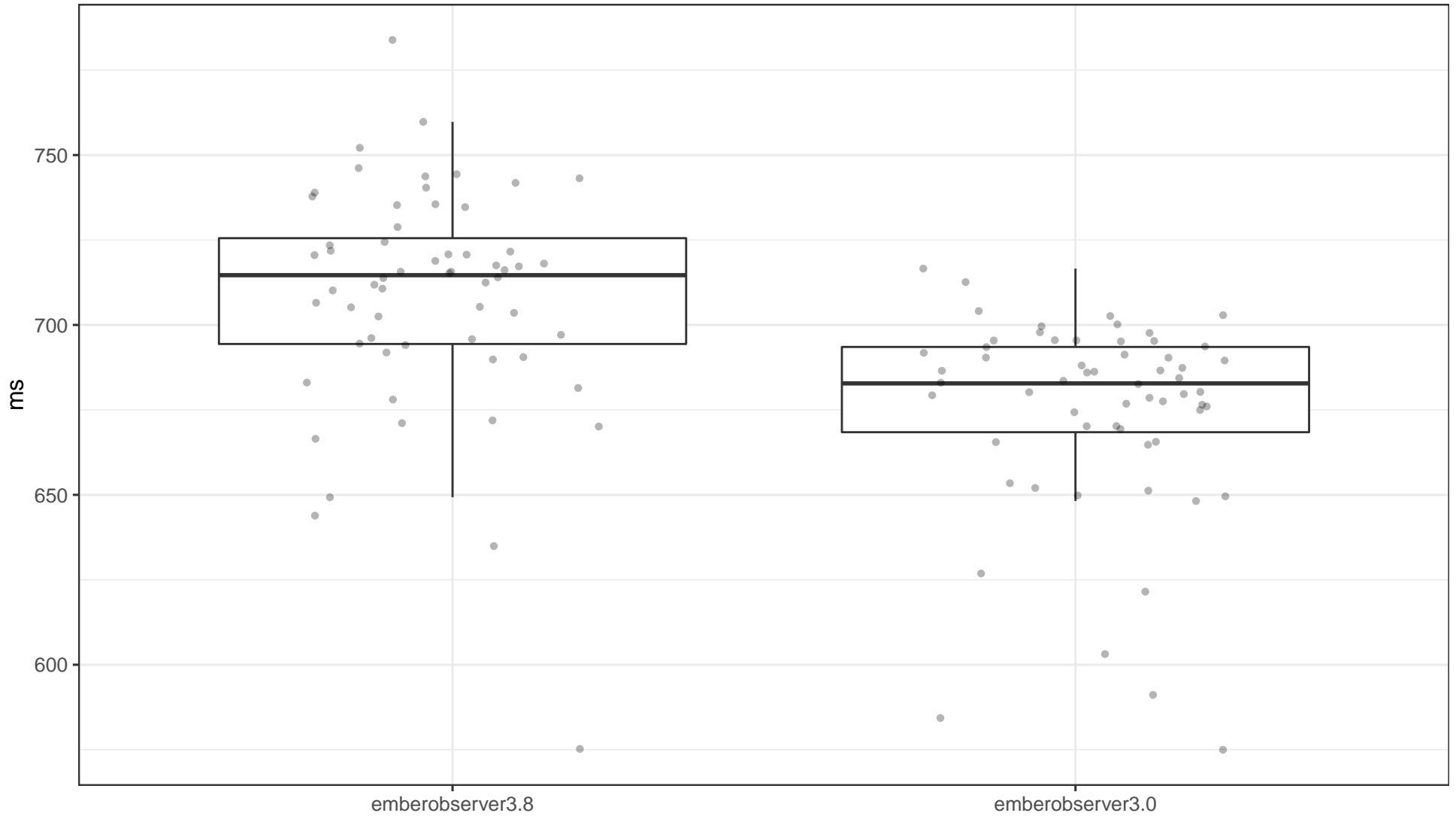


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %60.88 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -2.44ms , with a %95 confidence it is between -11.57ms and $+7.42\text{ms}$.

Test emberobserver3.8 JS Samples Against emberobserver3.0 JS Samples

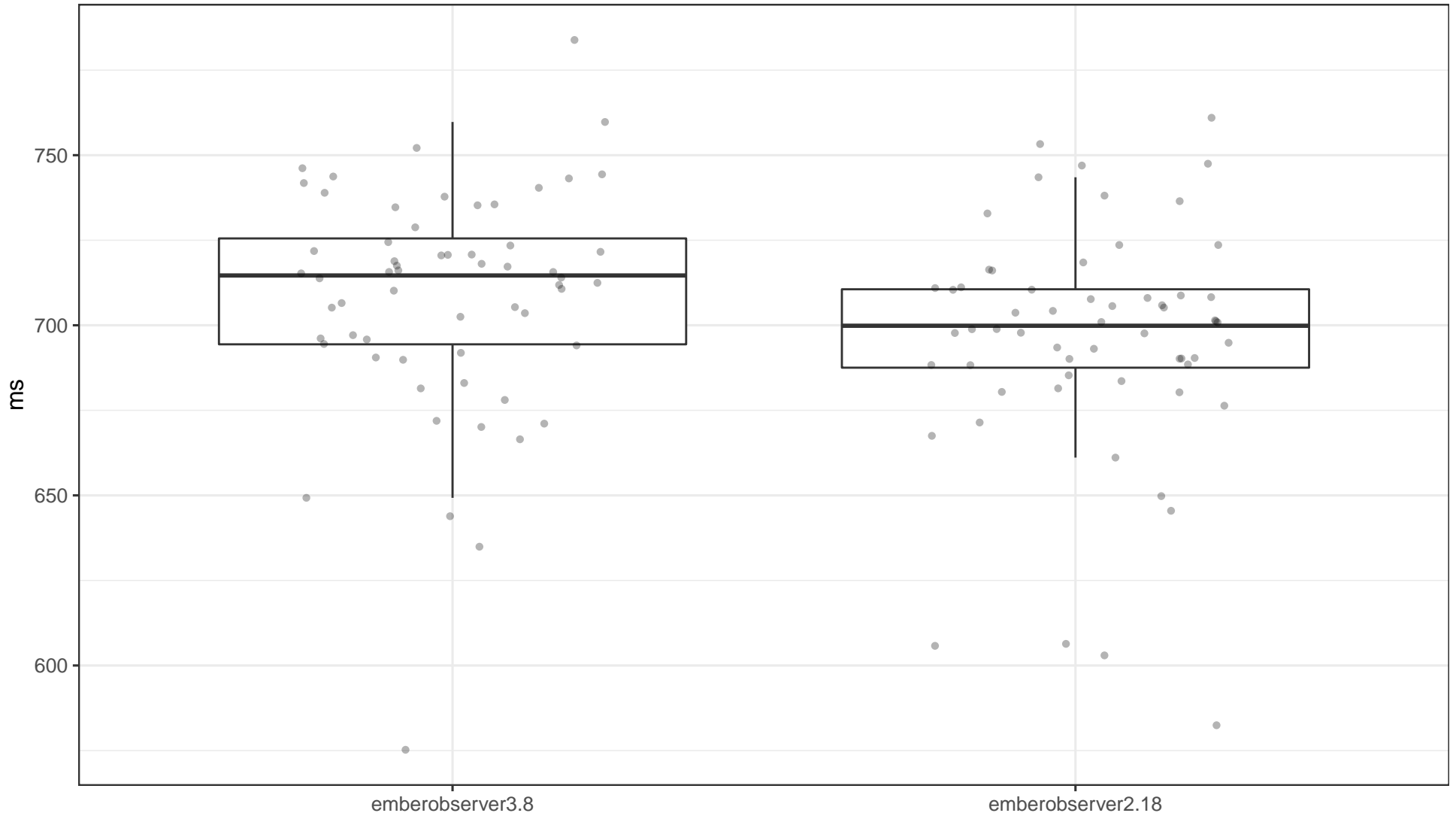


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +32.60ms, with a %95 confidence it is between +24.18ms and +41.55ms.

Test emberobserver3.8 JS Samples Against emberobserver2.18 JS Samples

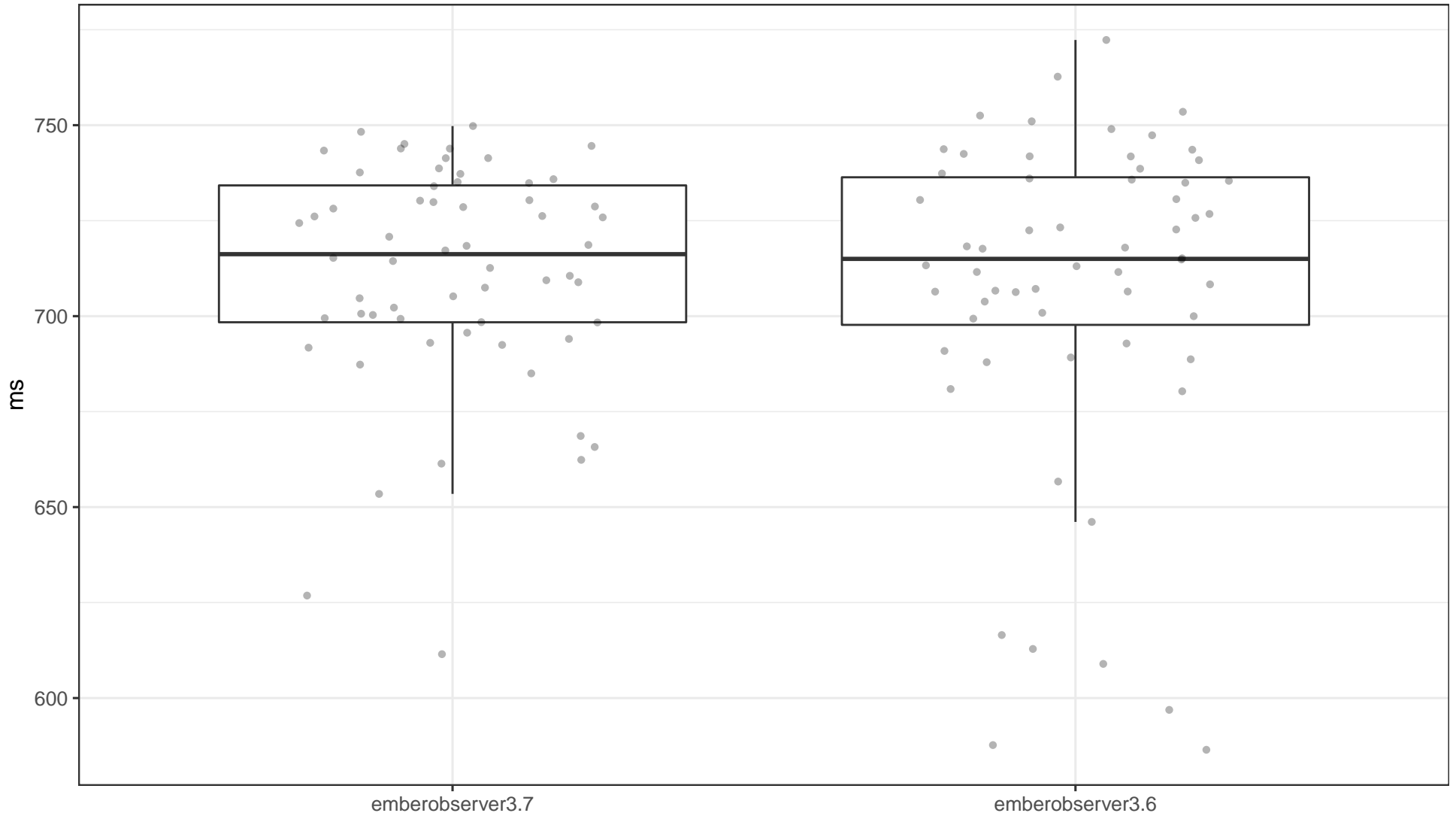


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %1.03 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +12.95ms, with a %95 confidence it is between +3.71ms and +22.61ms.

Test emberobserver3.7 JS Samples Against emberobserver3.6 JS Samples

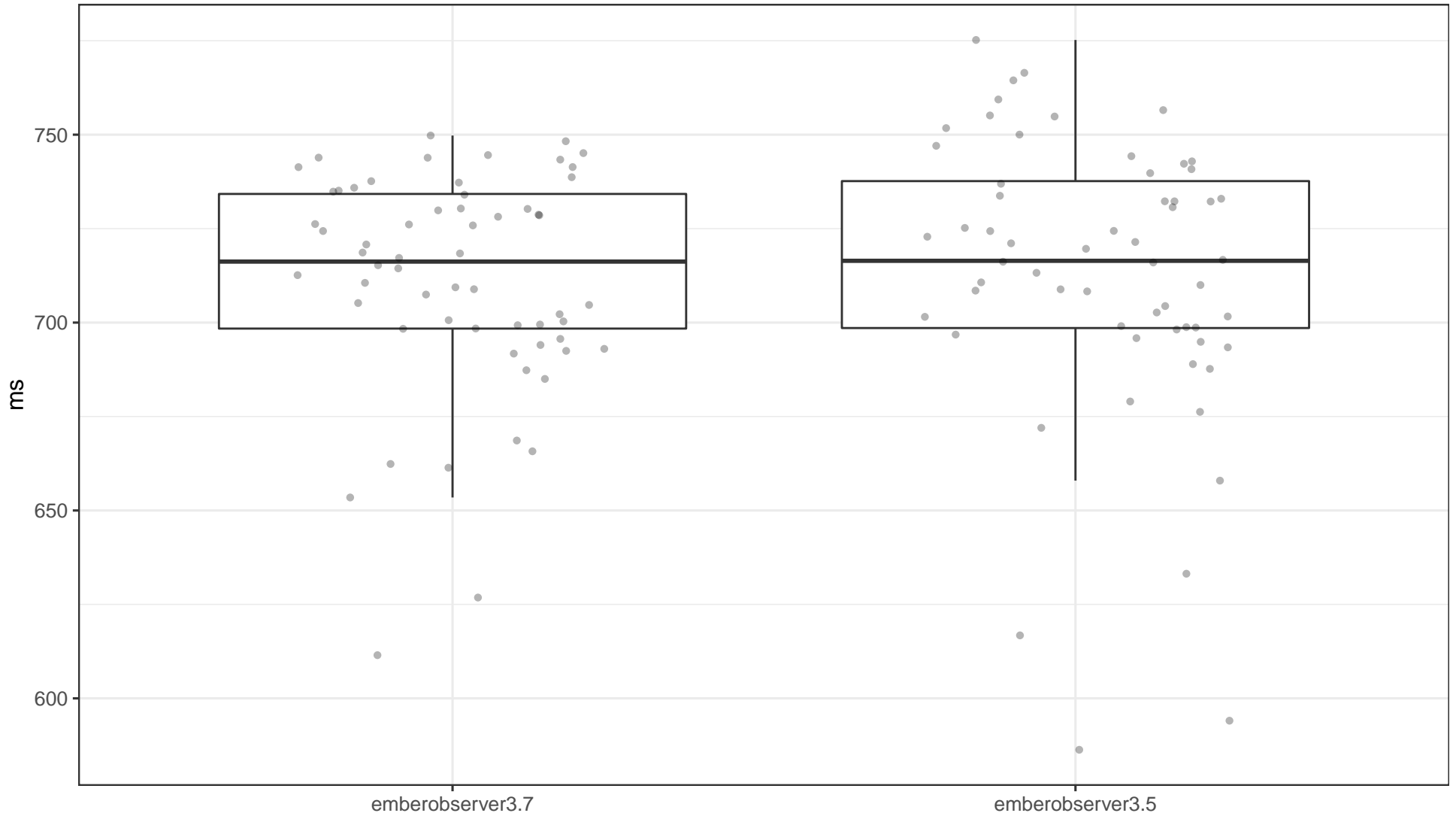


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %88.11 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -0.68ms , with a %95 confidence it is between -10.76ms and $+9.54\text{ms}$.

Test emberobserver3.7 JS Samples Against emberobserver3.5 JS Samples

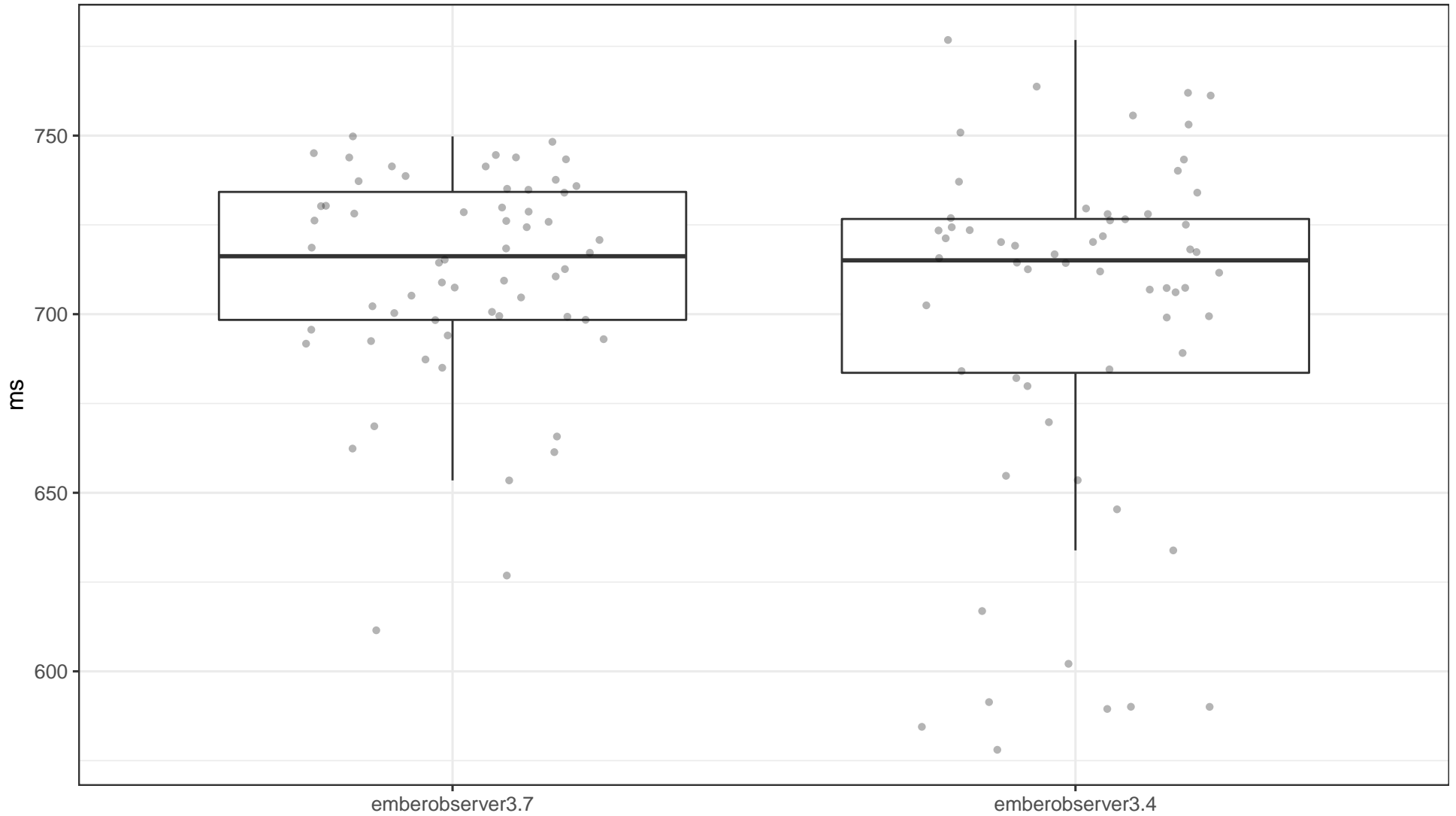


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %60.88 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -2.91ms , with a %95 confidence it is between -13.06ms and $+7.50\text{ms}$.

Test emberobserver3.7 JS Samples Against emberobserver3.4 JS Samples

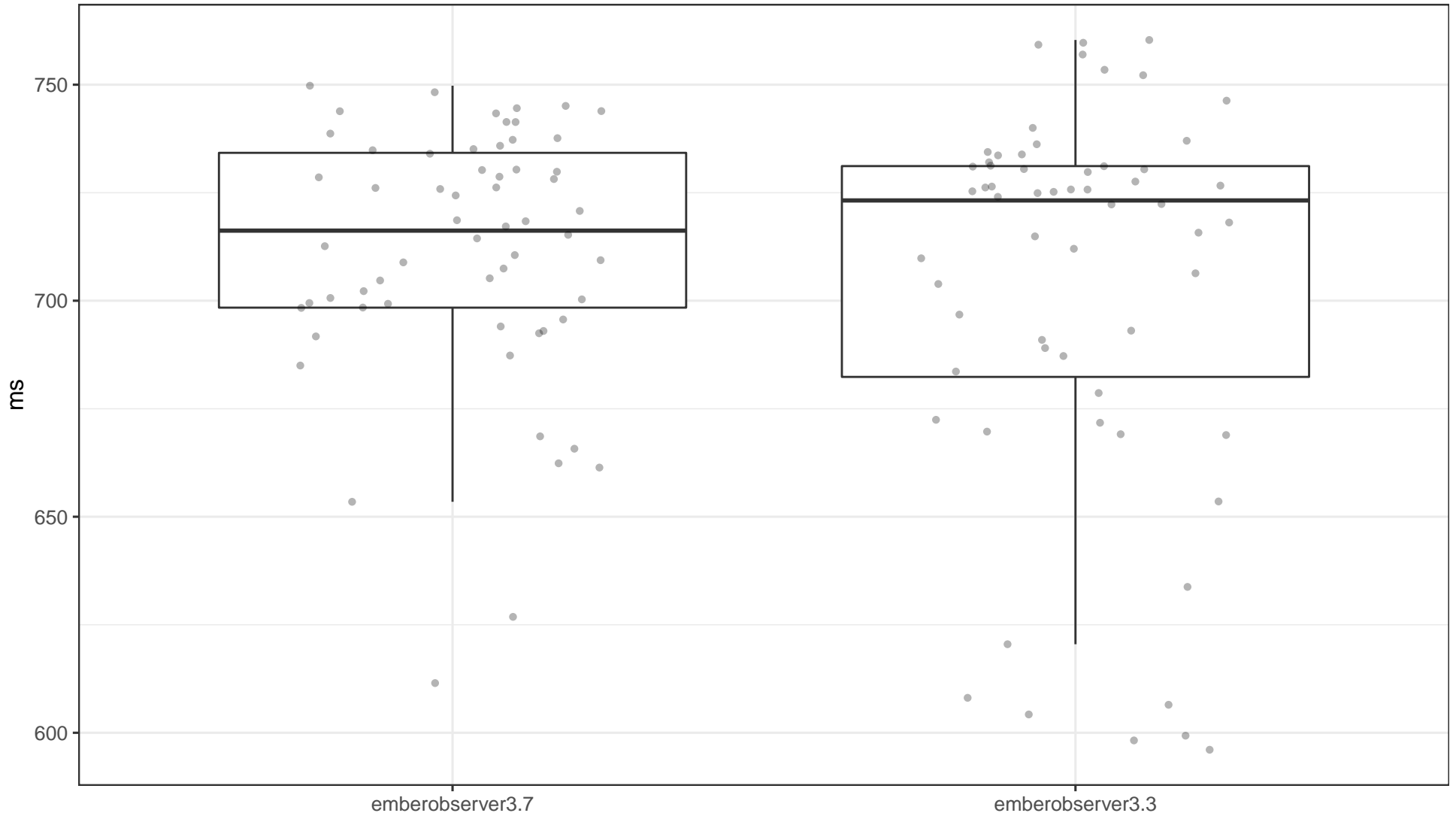


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %32.76 chance of observing these samples: the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +5.80ms, with a %95 confidence it is between -6.77ms and +16.46ms.

Test emberobserver3.7 JS Samples Against emberobserver3.3 JS Samples

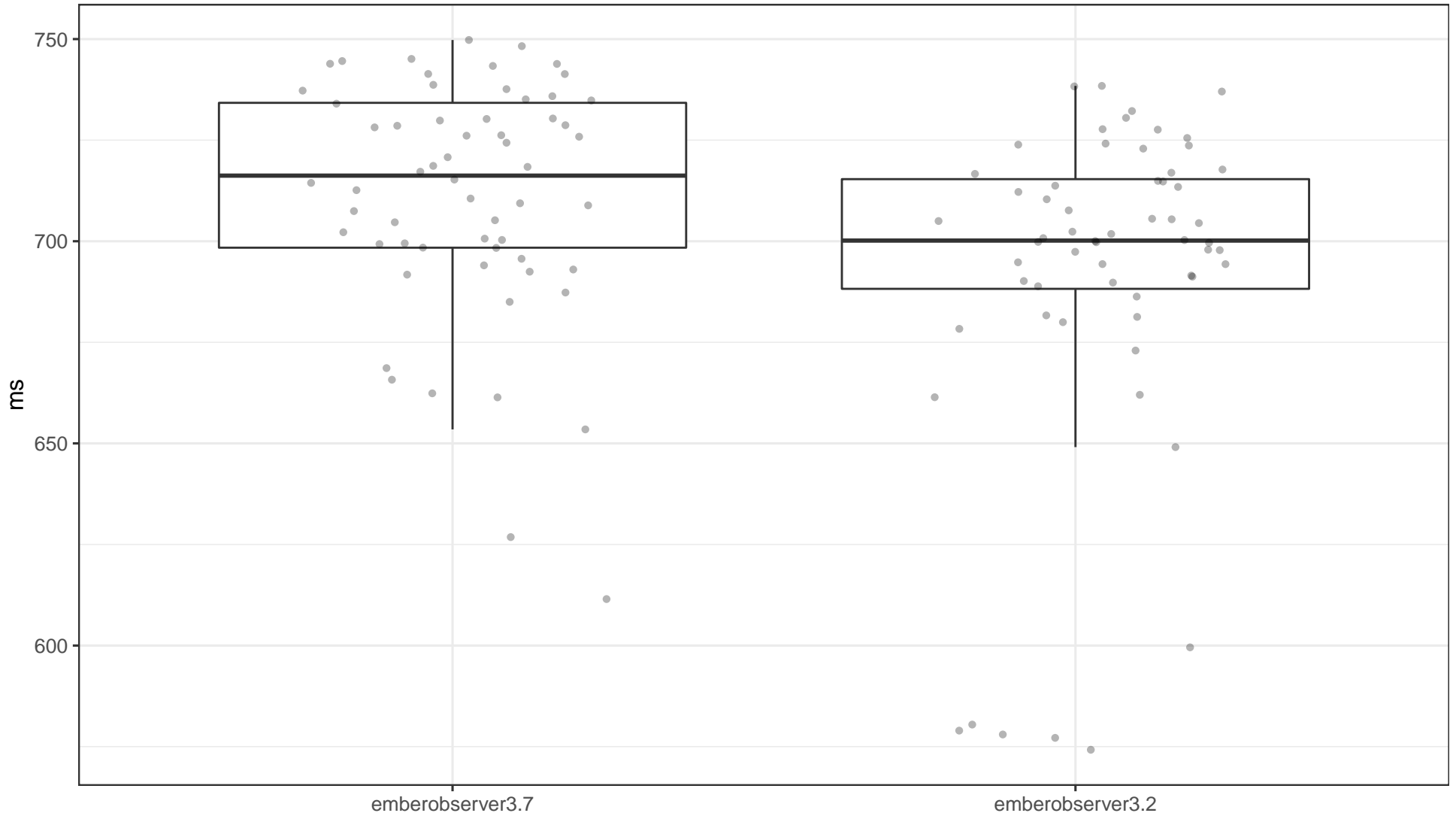


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %69.58 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +2.37ms, with a %95 confidence it is between -9.18ms and +12.53ms.

Test emberobserver3.7 JS Samples Against emberobserver3.2 JS Samples

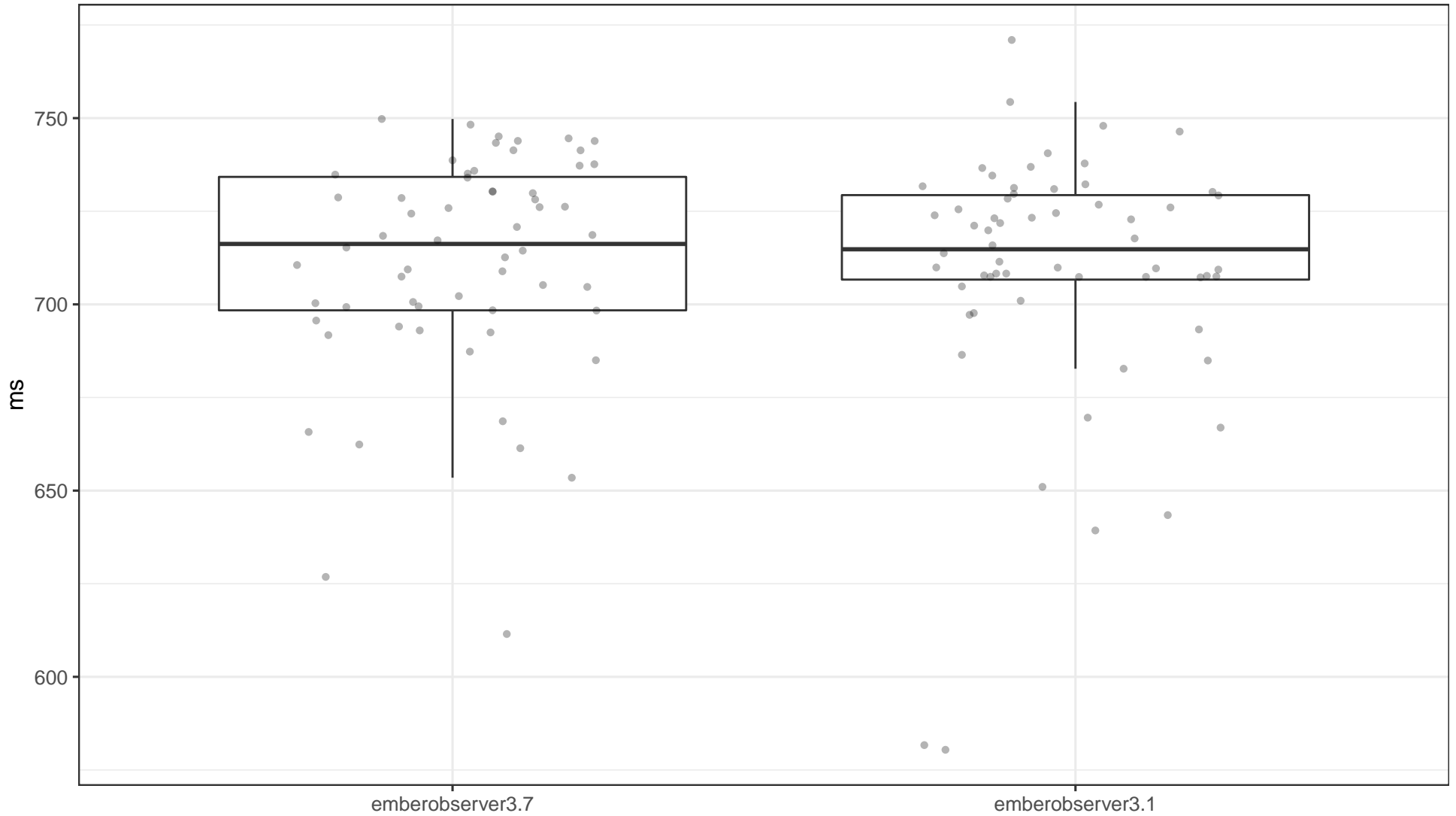


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.12 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +15.04ms, with a %95 confidence it is between +5.85ms and +24.94ms.

Test emberobserver3.7 JS Samples Against emberobserver3.1 JS Samples

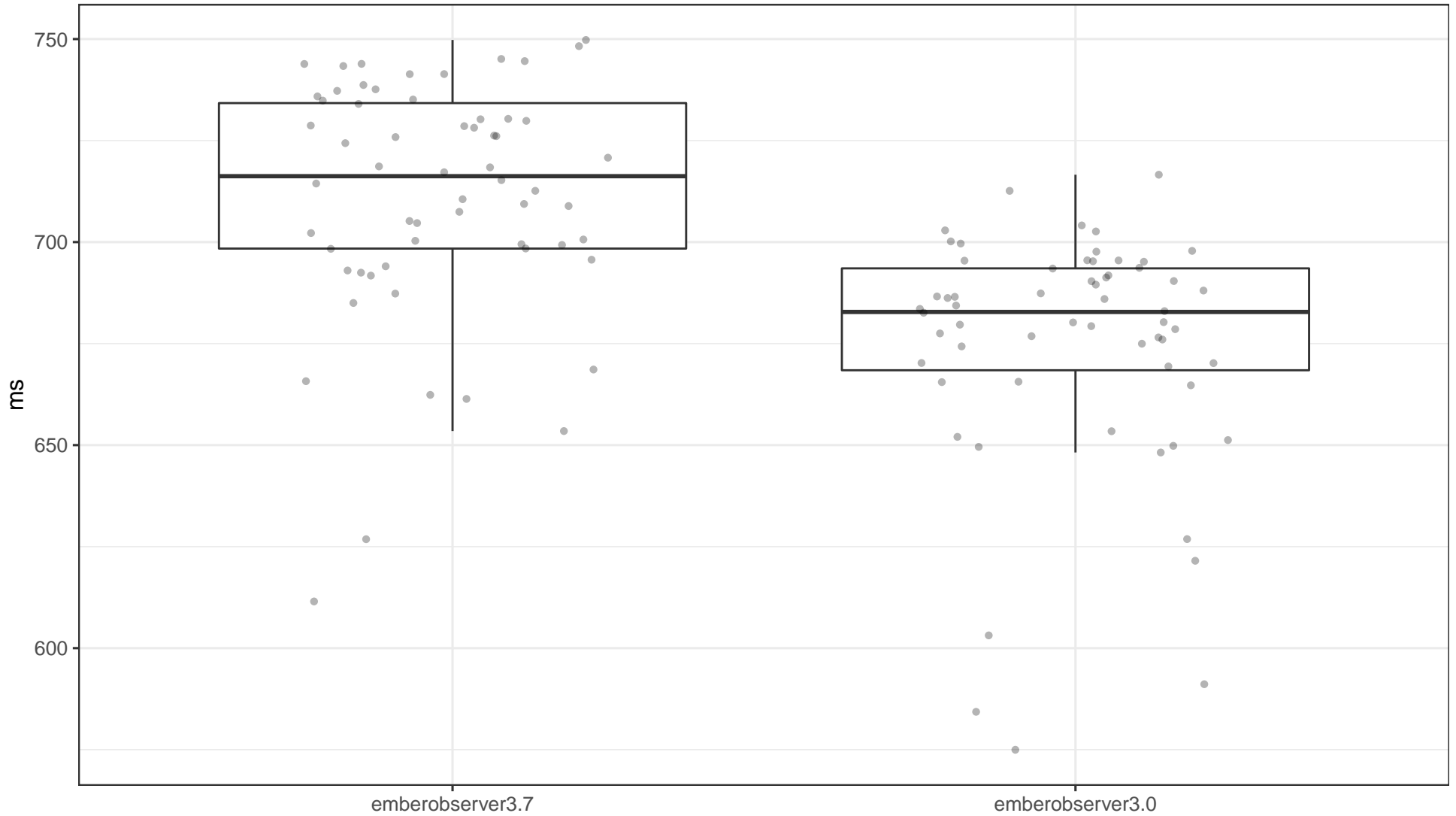


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %80.31 chance of observing these samples: the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +1.11ms, with a %95 confidence it is between -8.21ms and +10.08ms.

Test emberobserver3.7 JS Samples Against emberobserver3.0 JS Samples

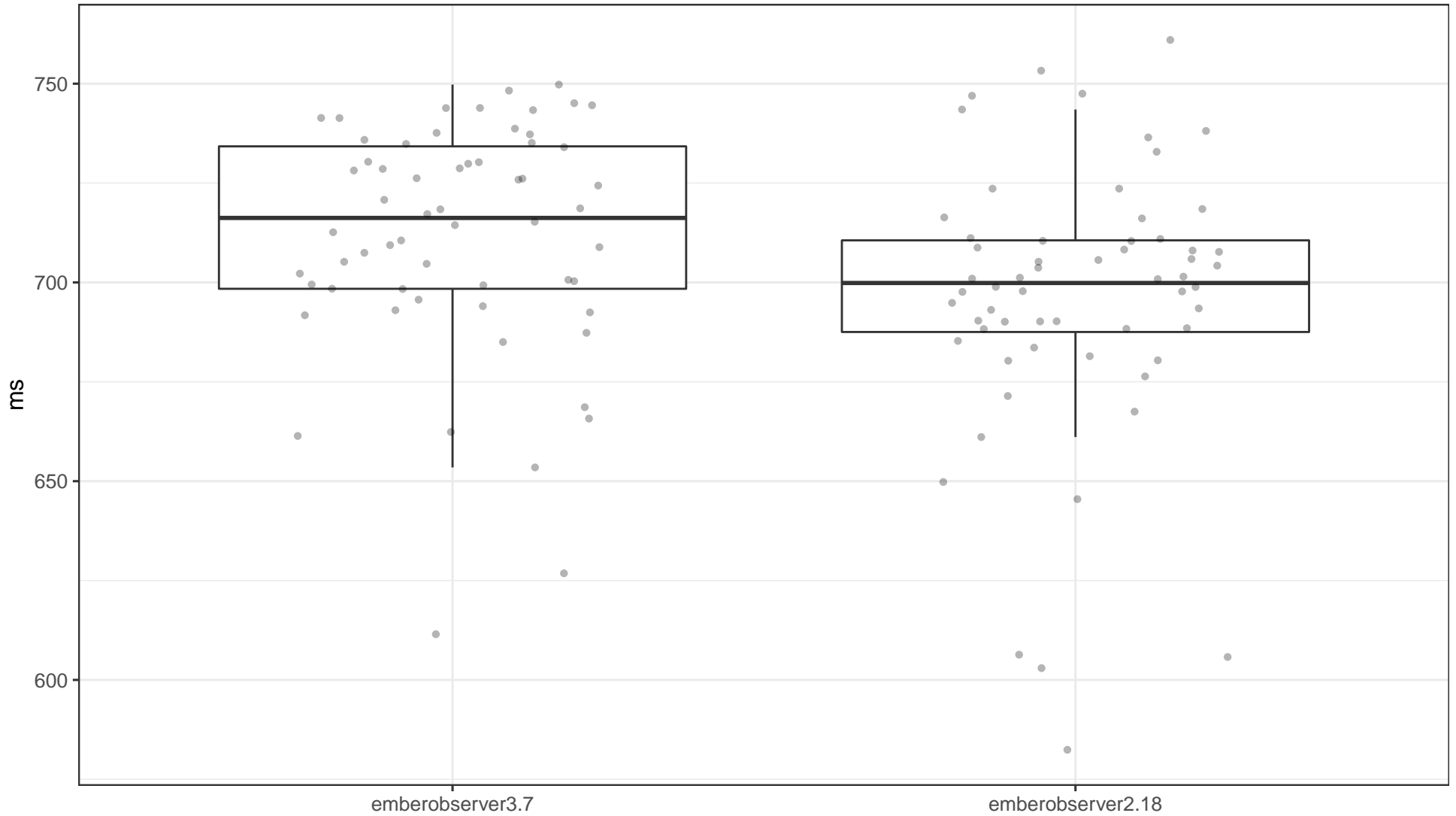


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +36.64ms, with a %95 confidence it is between +27.56ms and +45.06ms.

Test emberobserver3.7 JS Samples Against emberobserver2.18 JS Samples

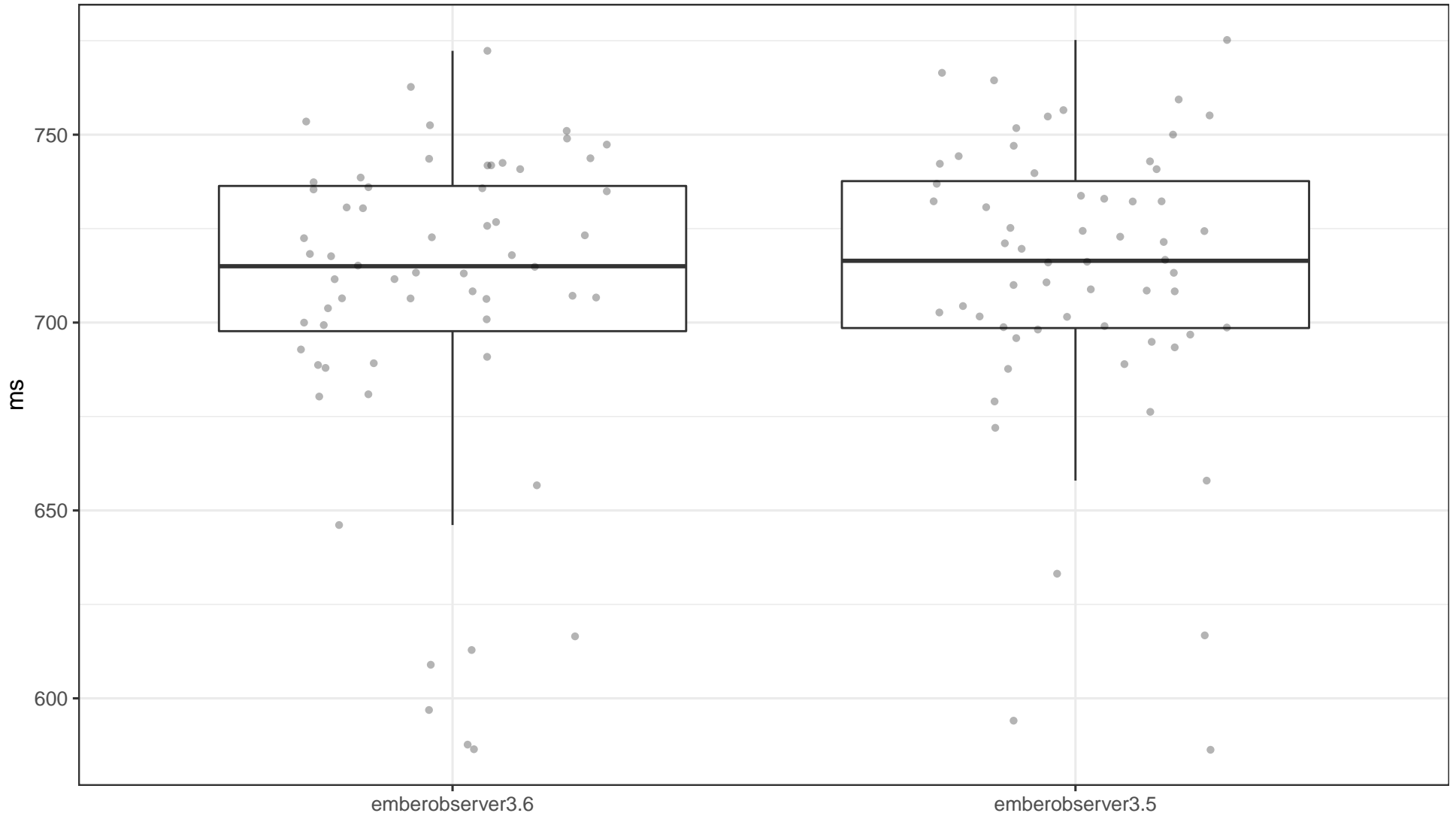


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.24 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +16.35ms, with a %95 confidence it is between +5.78ms and +26.02ms.

Test emberobserver3.6 JS Samples Against emberobserver3.5 JS Samples

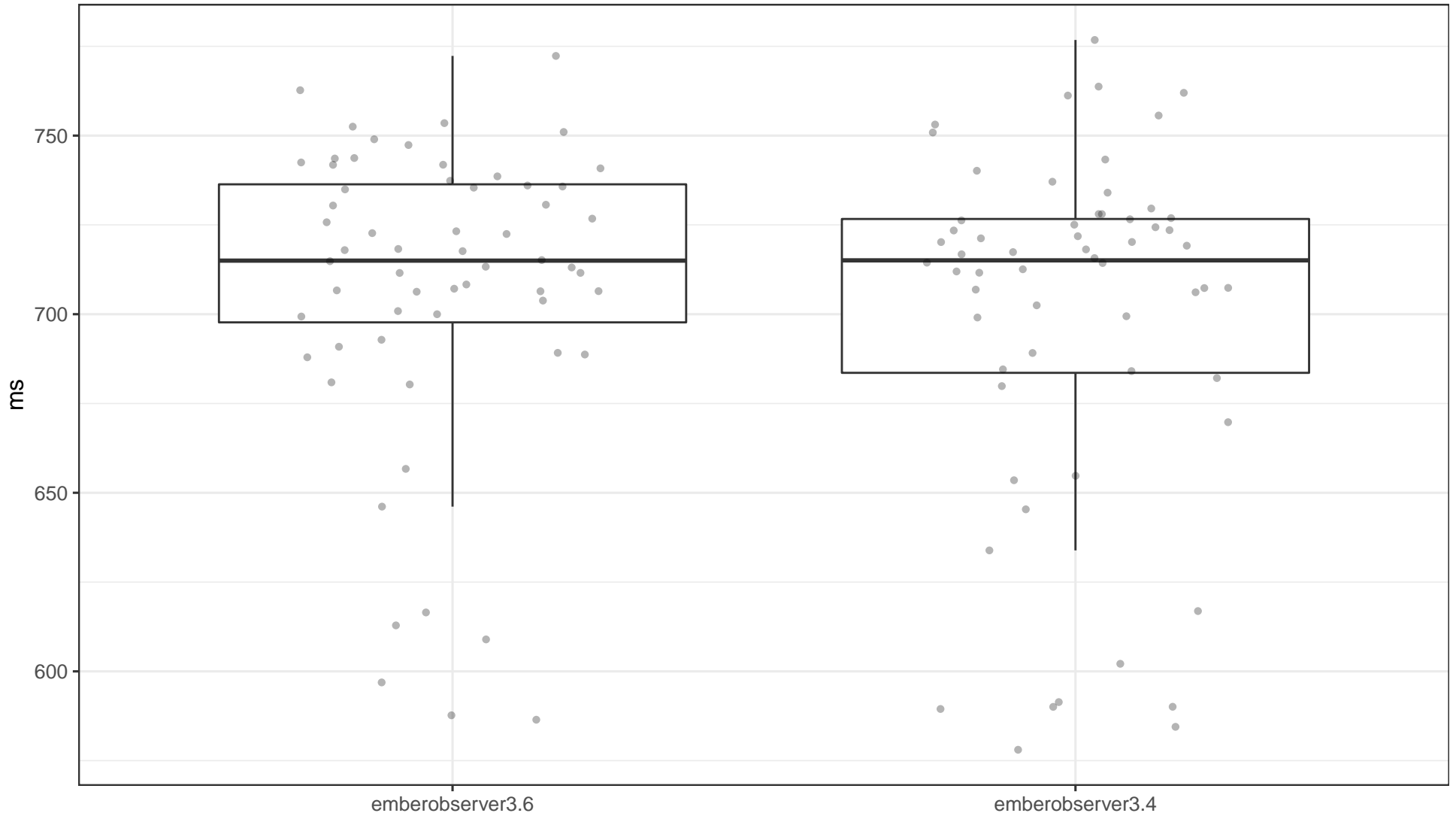


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %72.31 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -1.99ms , with a %95 confidence it is between -13.65ms and $+9.34\text{ms}$.

Test emberobserver3.6 JS Samples Against emberobserver3.4 JS Samples

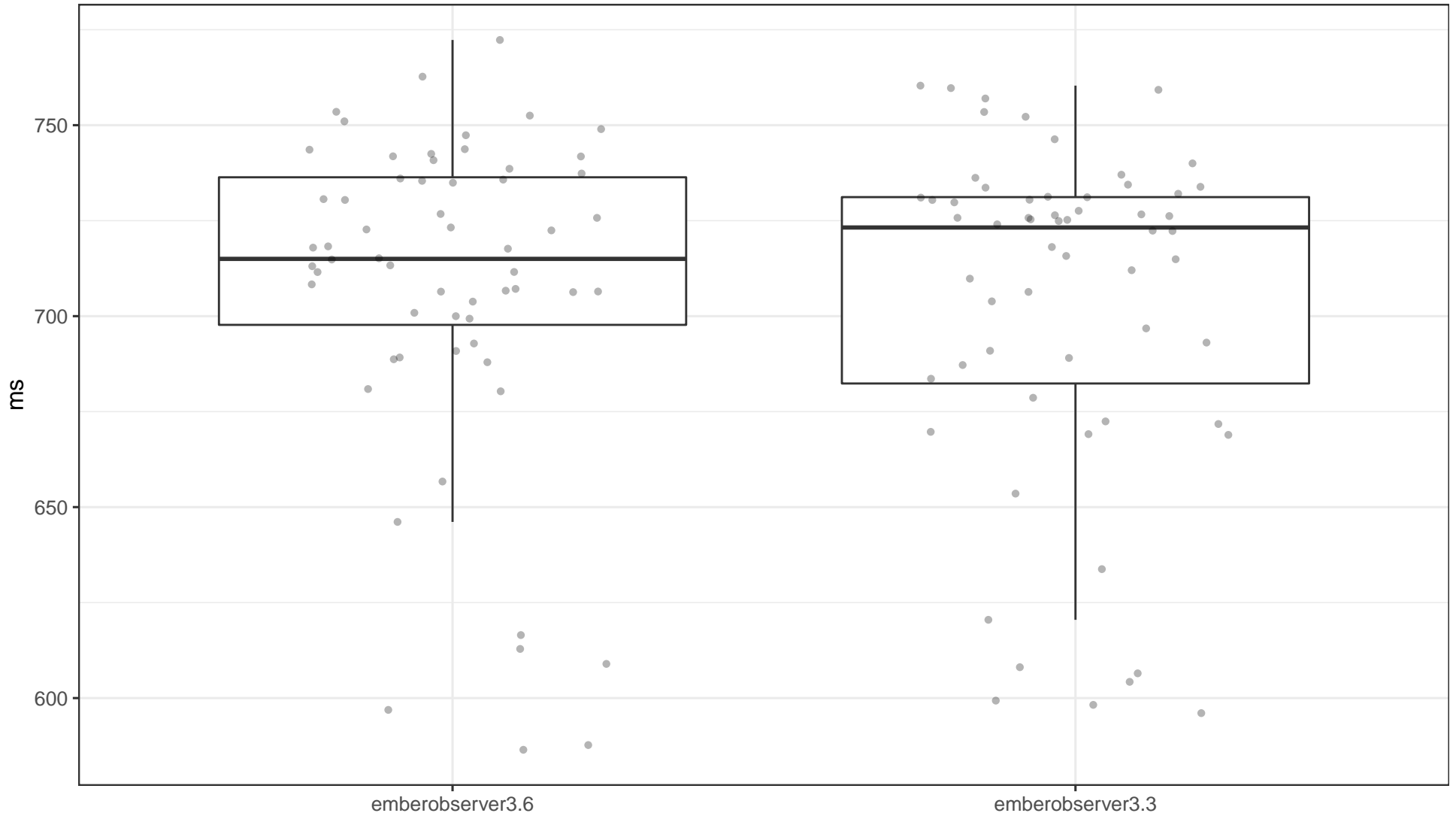


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %41.44 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +5.51ms, with a %95 confidence it is between -6.90ms and +18.14ms.

Test emberobserver3.6 JS Samples Against emberobserver3.3 JS Samples

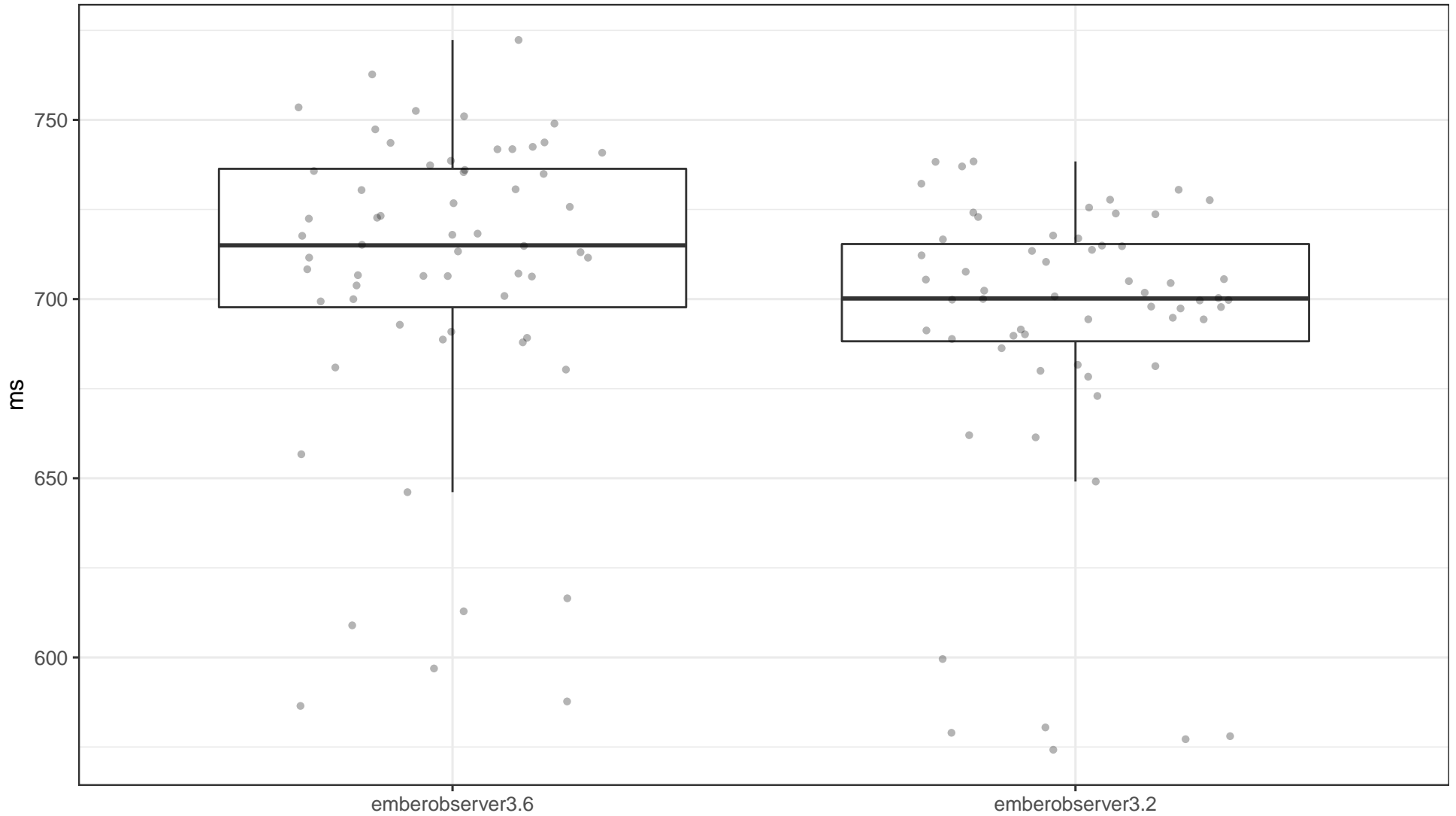


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %71.14 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +2.39ms, with a %95 confidence it is between -10.61ms and +14.18ms.

Test emberobserver3.6 JS Samples Against emberobserver3.2 JS Samples

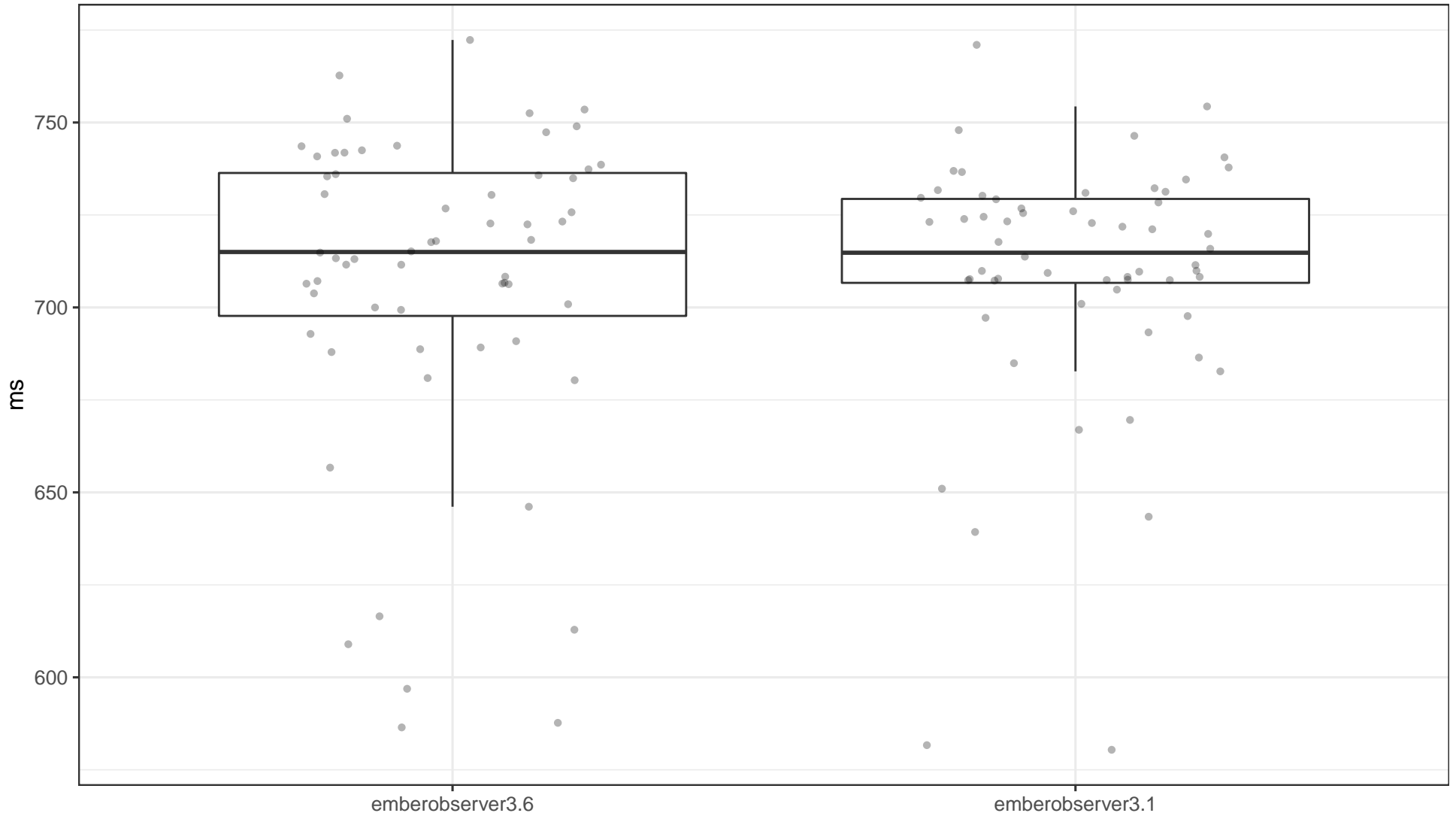


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.21 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +15.97ms, with a %95 confidence it is between +6.53ms and +25.99ms.

Test emberobserver3.6 JS Samples Against emberobserver3.1 JS Samples

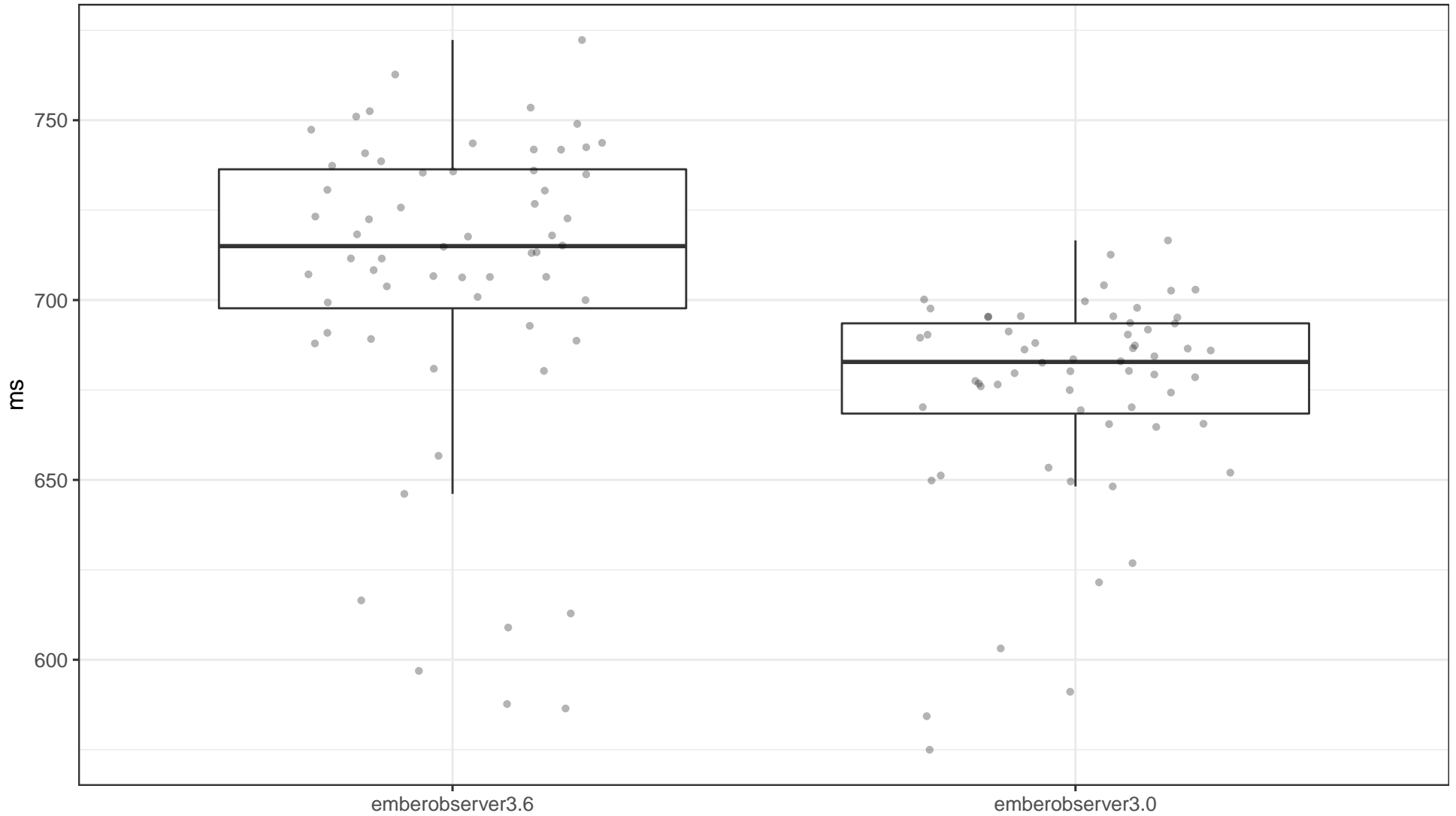


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %78.29 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +1.67ms, with a %95 confidence it is between -8.36ms and +11.21ms.

Test emberobserver3.6 JS Samples Against emberobserver3.0 JS Samples

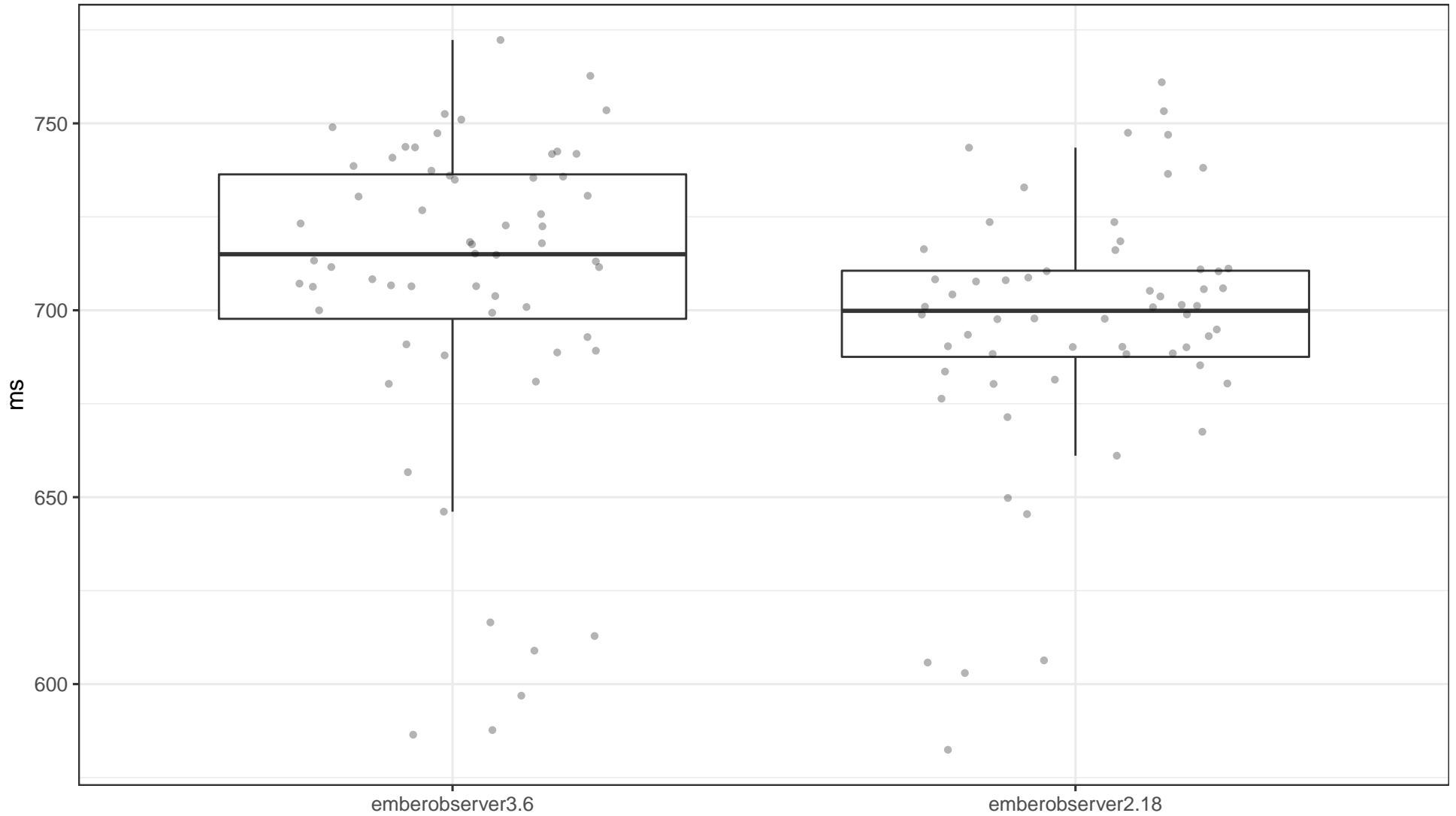


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +36.71ms, with a %95 confidence it is between +26.98ms and +46.54ms.

Test emberobserver3.6 JS Samples Against emberobserver2.18 JS Samples

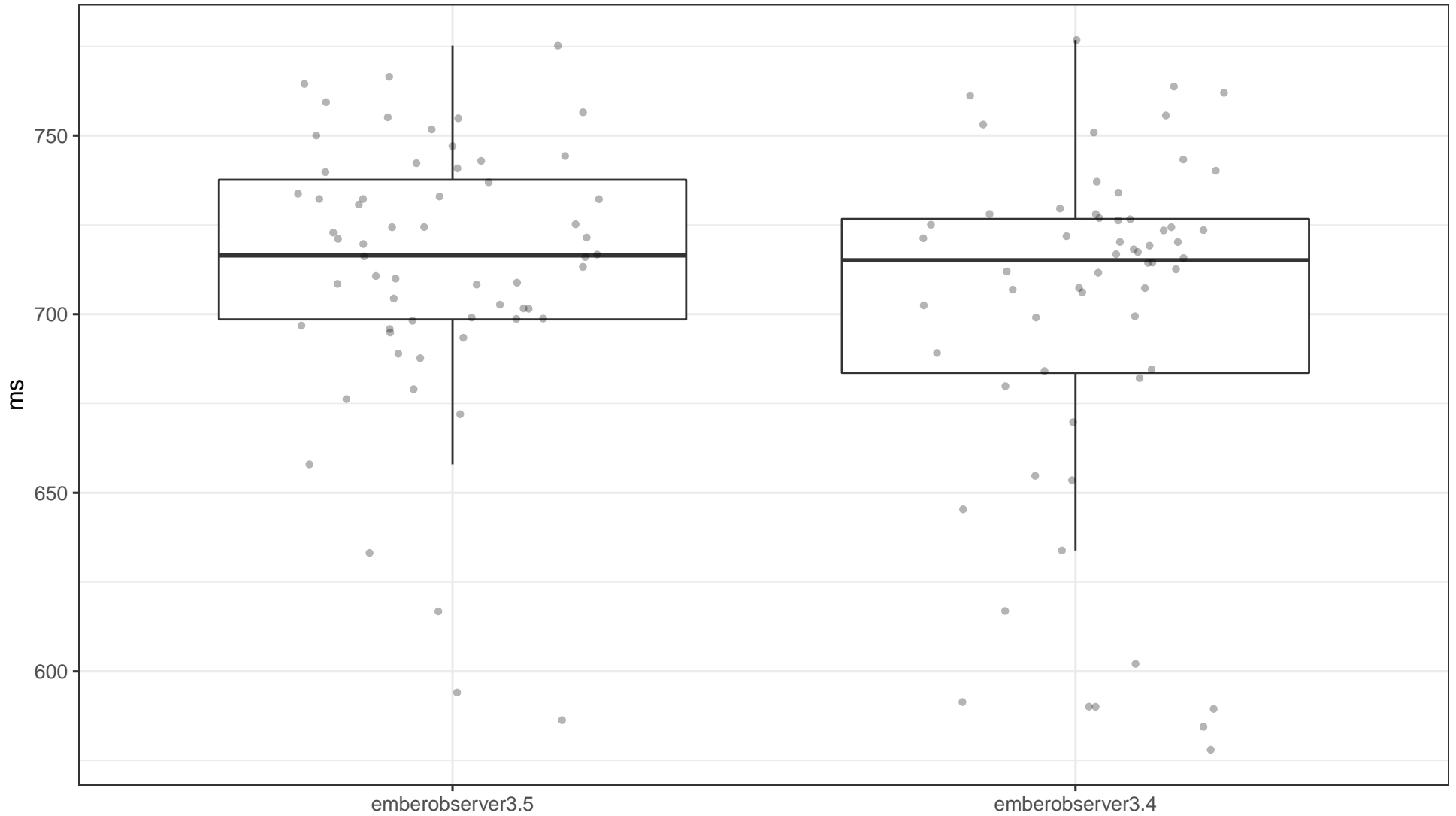


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.35 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +16.23ms, with a %95 confidence it is between +5.48ms and +26.85ms.

Test emberobserver3.5 JS Samples Against emberobserver3.4 JS Samples

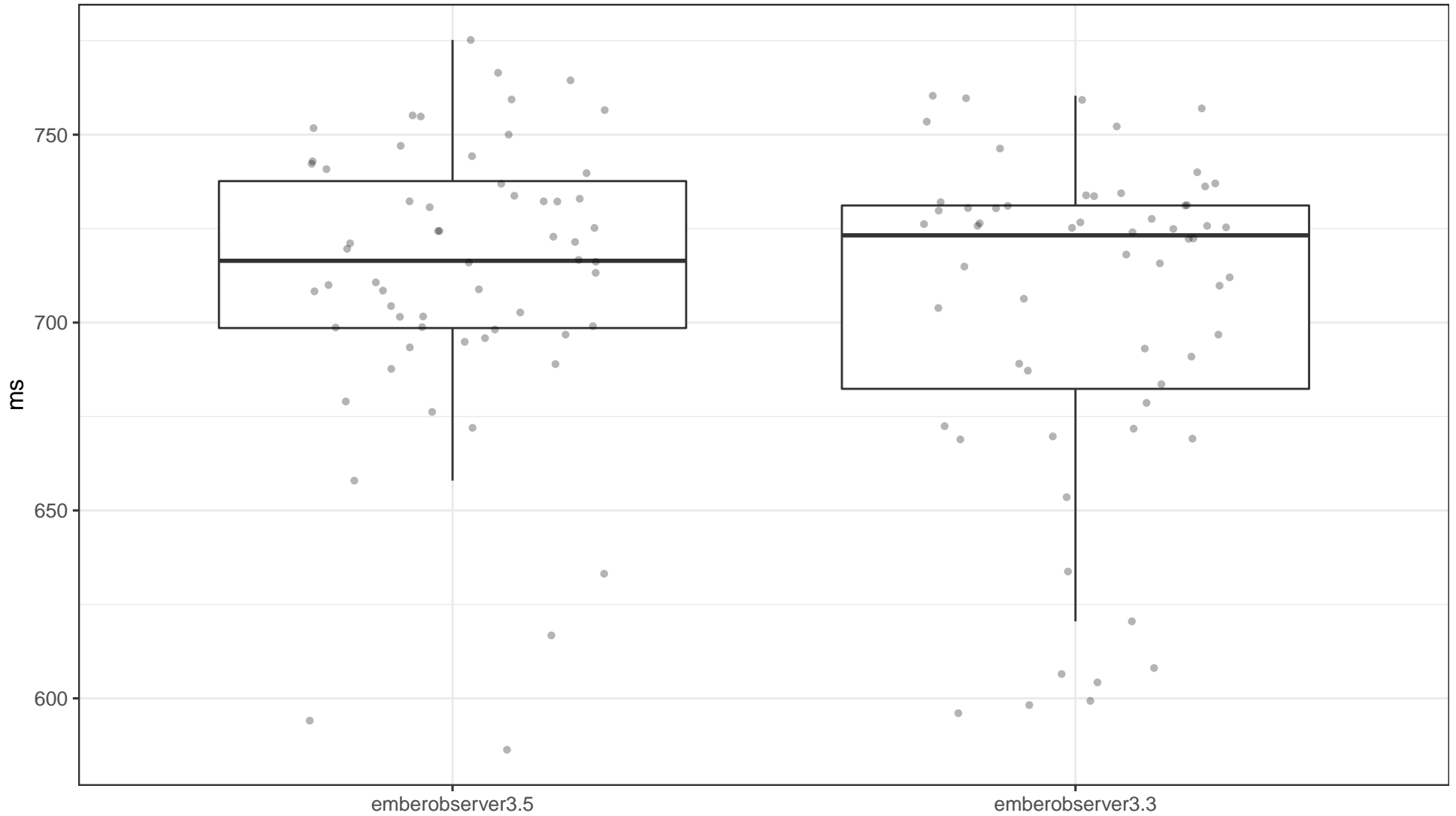


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %25.36 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +7.56ms, with a %95 confidence it is between -4.82ms and +20.43ms.

Test emberobserver3.5 JS Samples Against emberobserver3.3 JS Samples

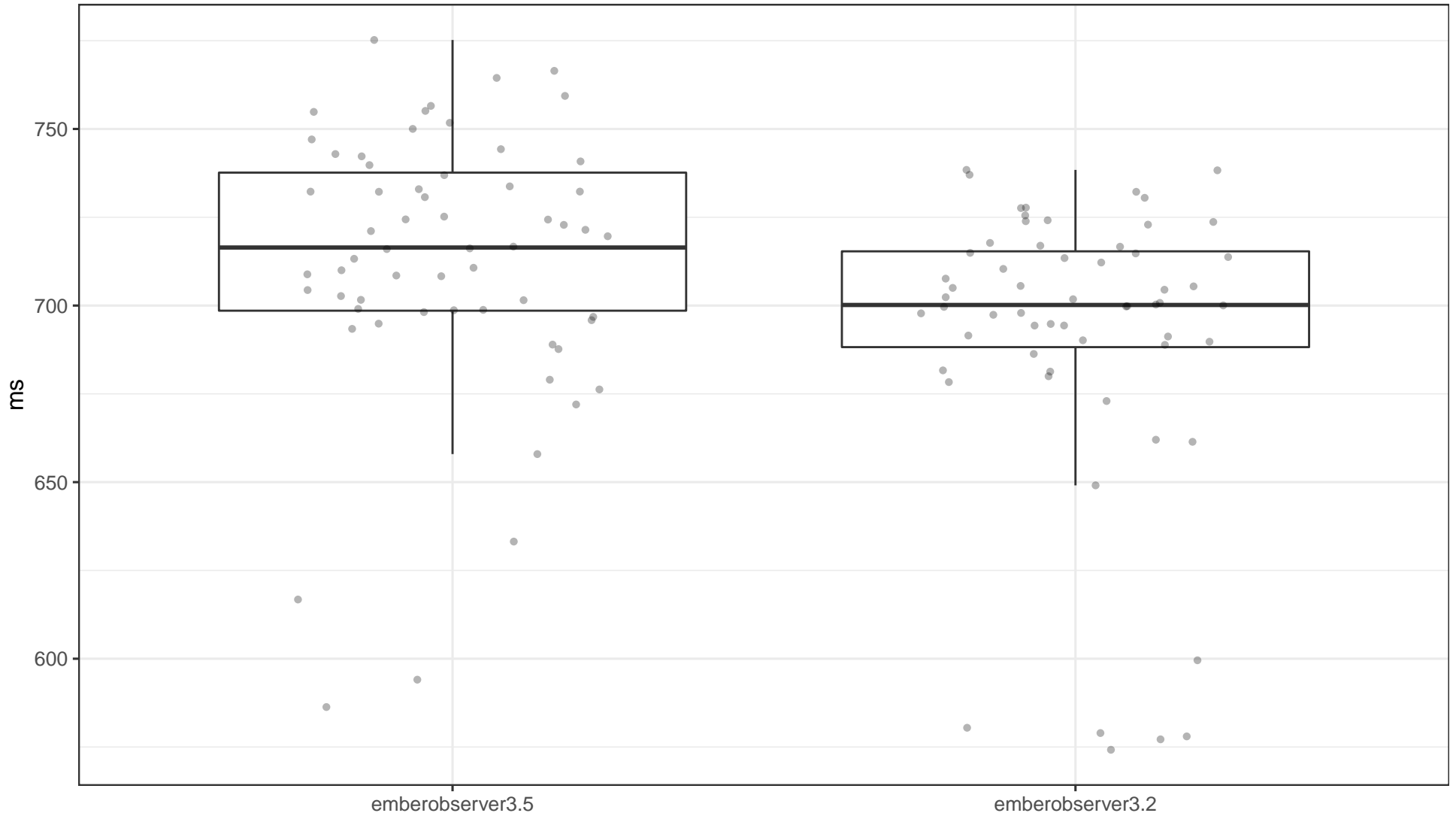


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %46.09 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +5.20ms, with a %95 confidence it is between -7.79ms and +17.86ms.

Test emberobserver3.5 JS Samples Against emberobserver3.2 JS Samples

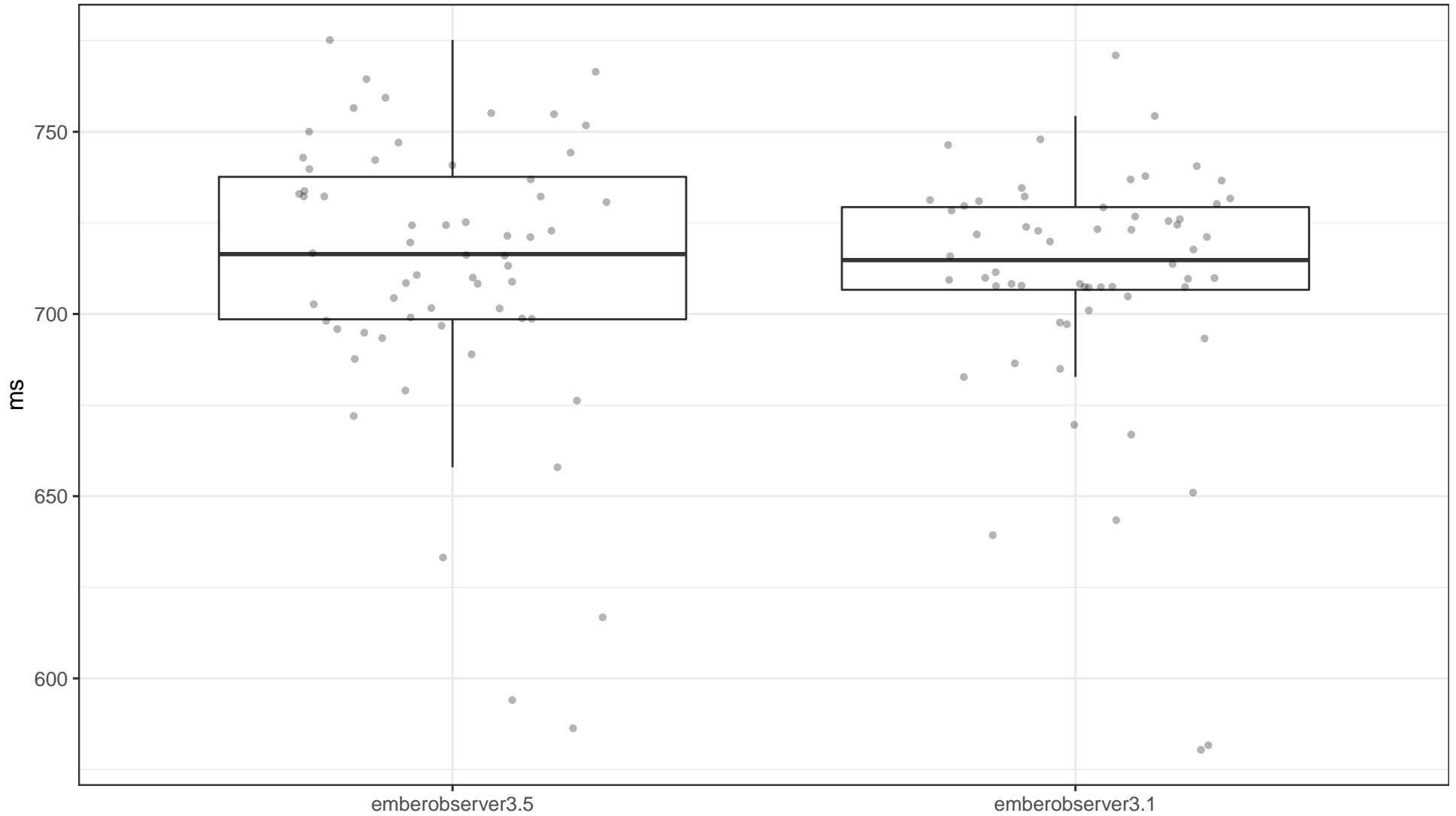


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.09 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +17.54ms, with a %95 confidence it is between +7.63ms and +28.39ms.

Test emberobserver3.5 JS Samples Against emberobserver3.1 JS Samples

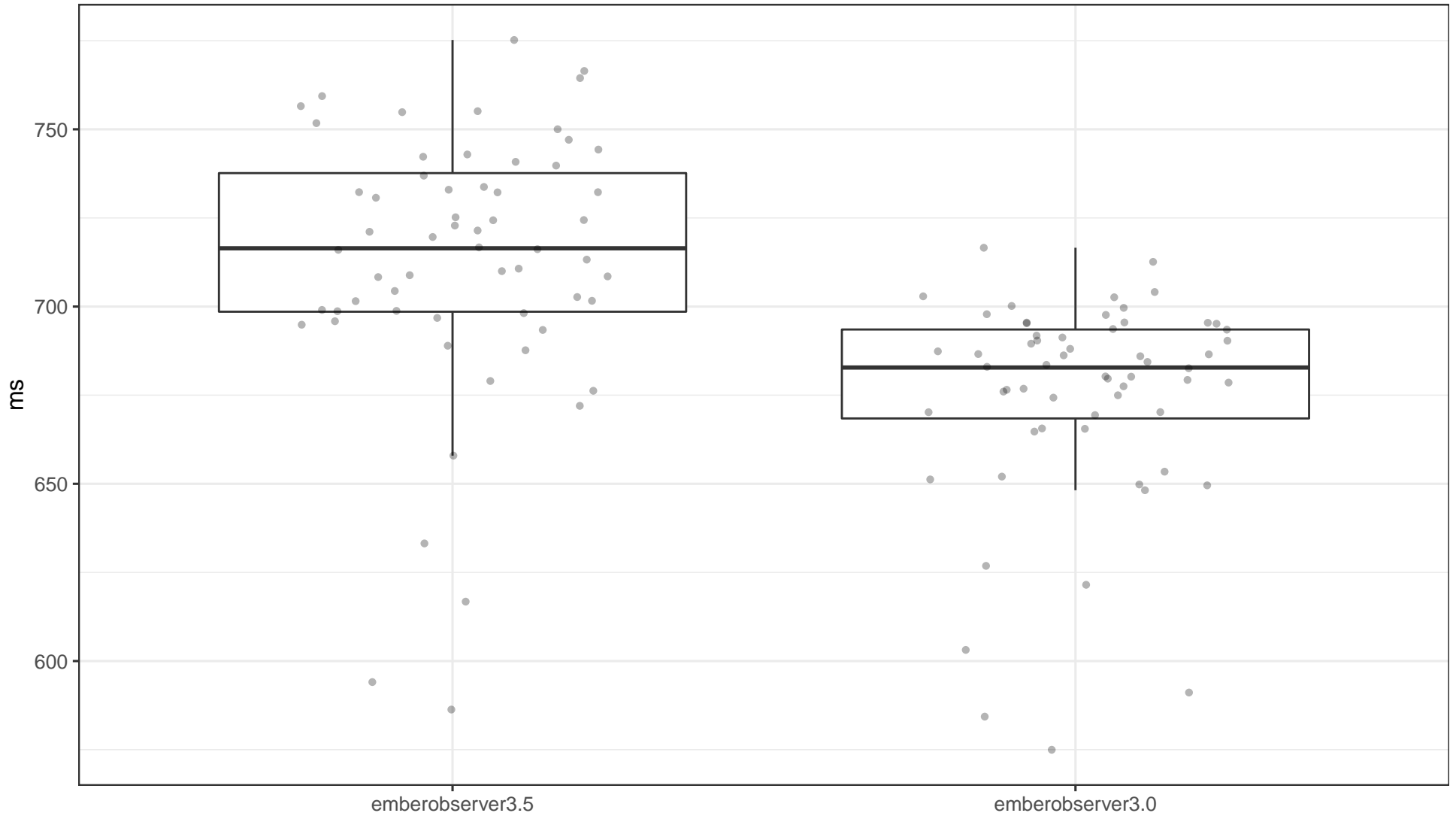


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %49.67 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +2.70ms, with a %95 confidence it is between -7.23ms and +13.51ms.

Test emberobserver3.5 JS Samples Against emberobserver3.0 JS Samples

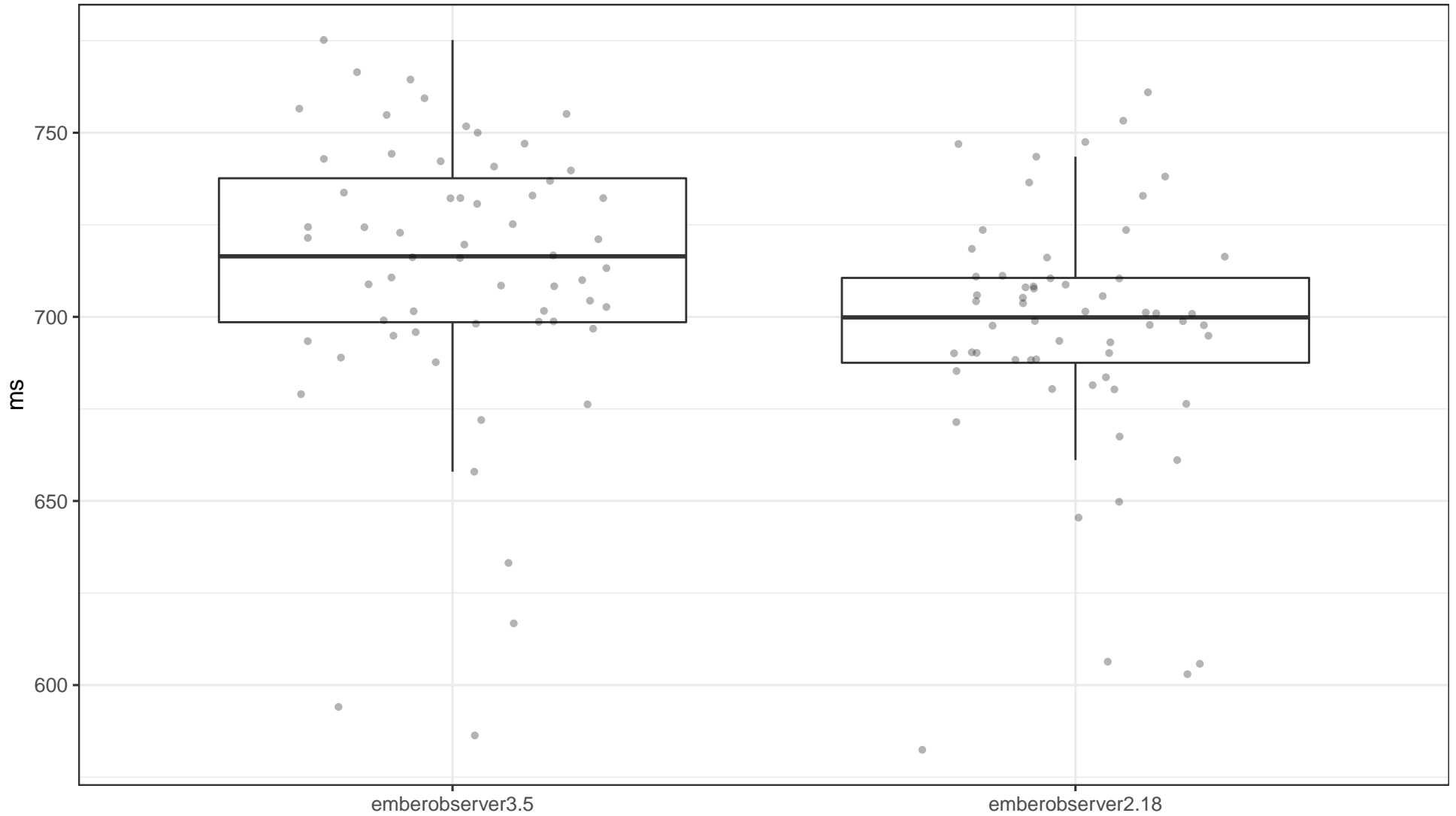


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +38.35ms, with a %95 confidence it is between +28.29ms and +48.58ms.

Test emberobserver3.5 JS Samples Against emberobserver2.18 JS Samples

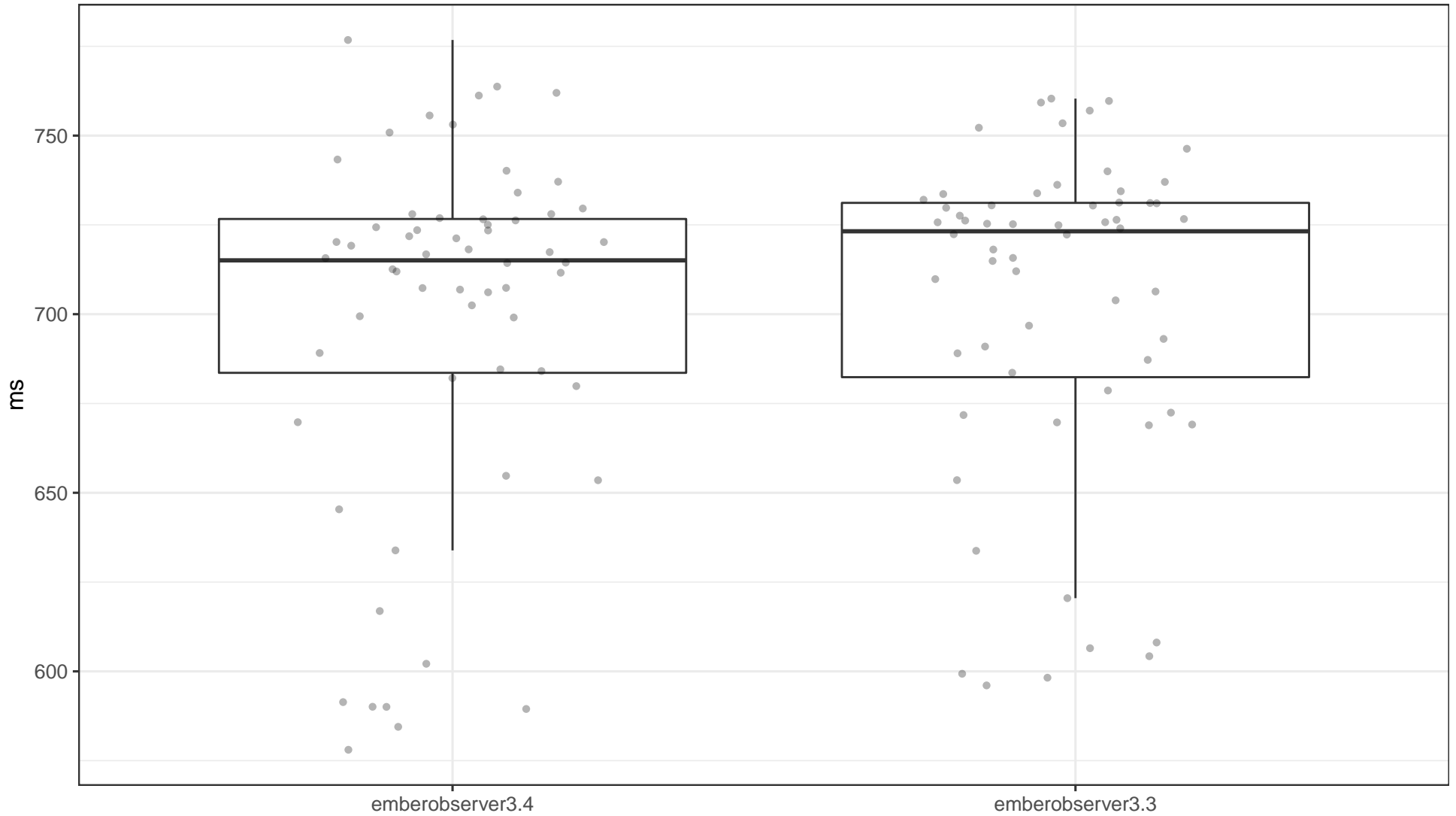


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.11 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +17.75ms, with a %95 confidence it is between +7.58ms and +28.36ms.

Test emberobserver3.4 JS Samples Against emberobserver3.3 JS Samples

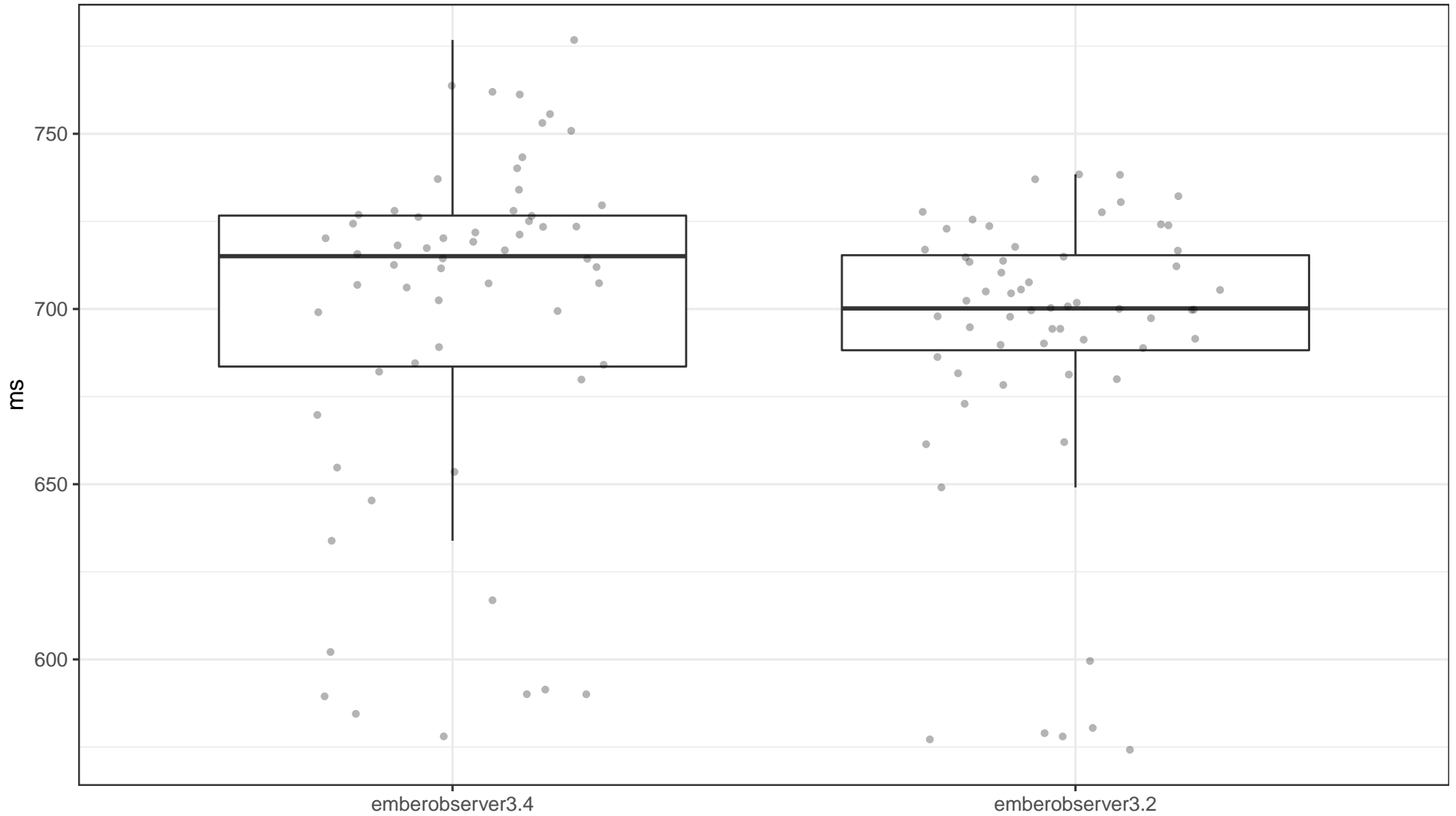


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %36.80 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -4.87ms , with a %95 confidence it is between -14.81ms and $+7.56\text{ms}$.

Test emberobserver3.4 JS Samples Against emberobserver3.2 JS Samples

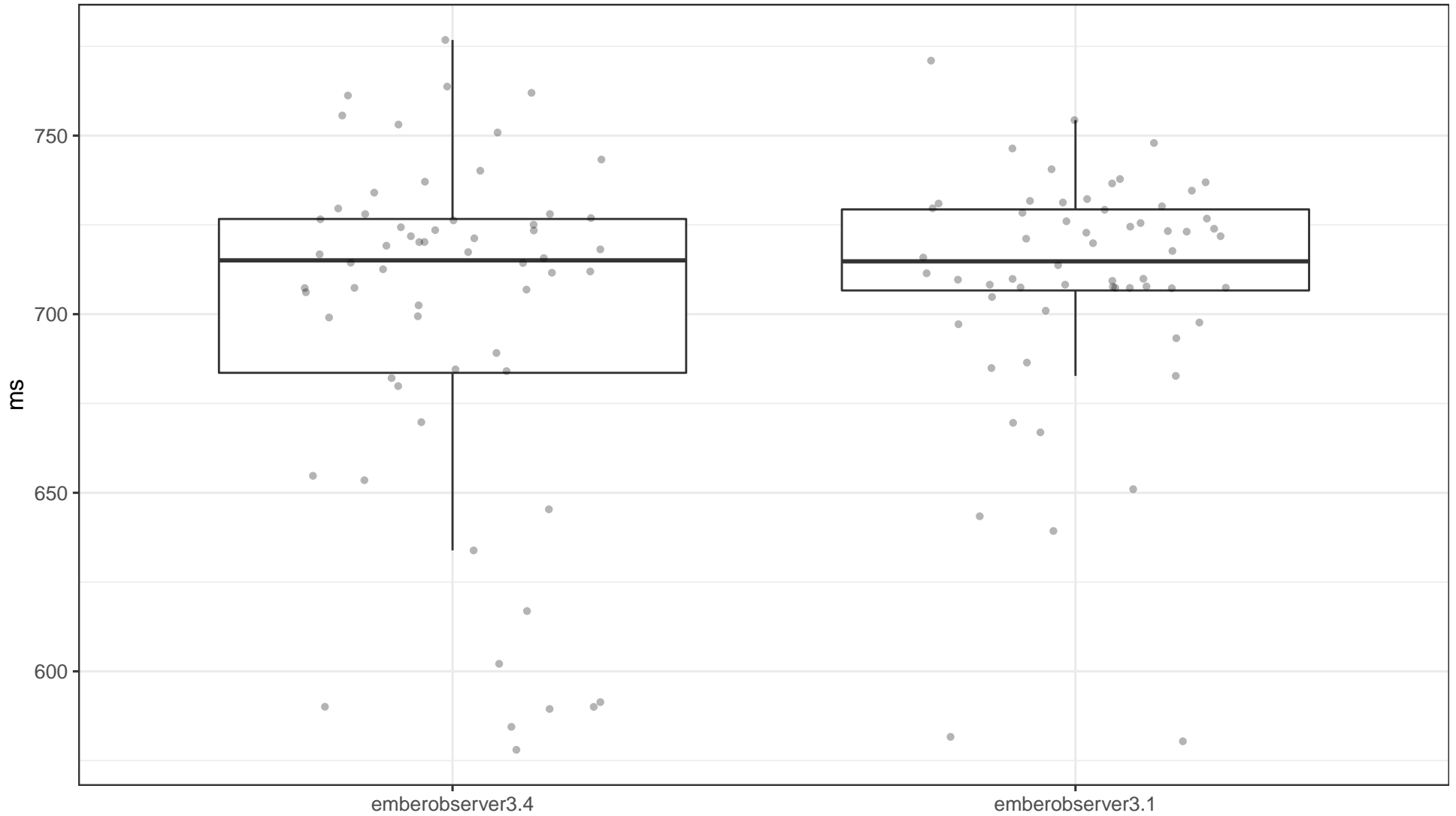


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %3.79 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +11.77ms, with a %95 confidence it is between +0.70ms and +21.67ms.

Test emberobserver3.4 JS Samples Against emberobserver3.1 JS Samples

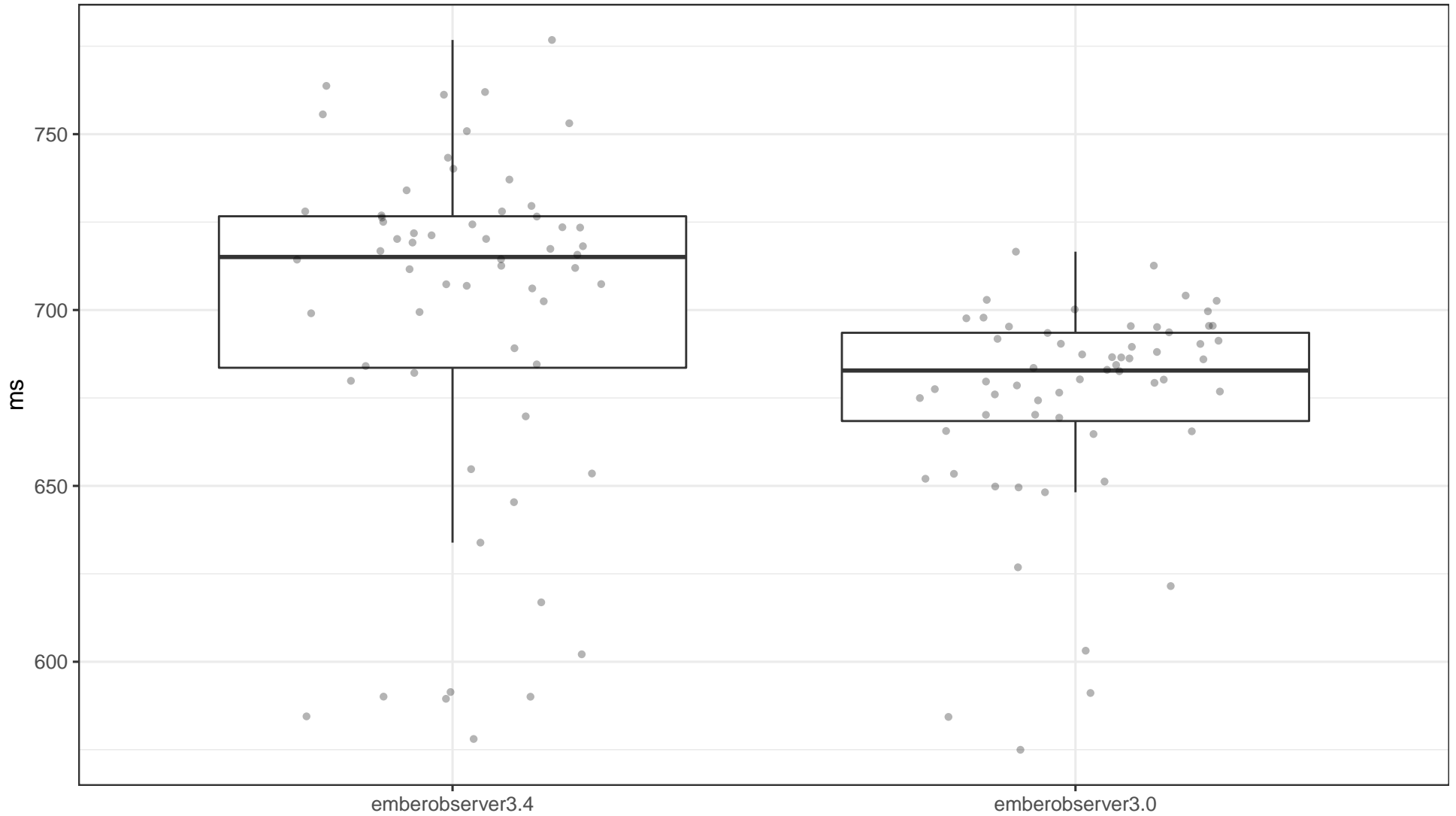


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %46.09 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -3.21ms , with a %95 confidence it is between -13.40ms and $+6.38\text{ms}$.

Test emberobserver3.4 JS Samples Against emberobserver3.0 JS Samples

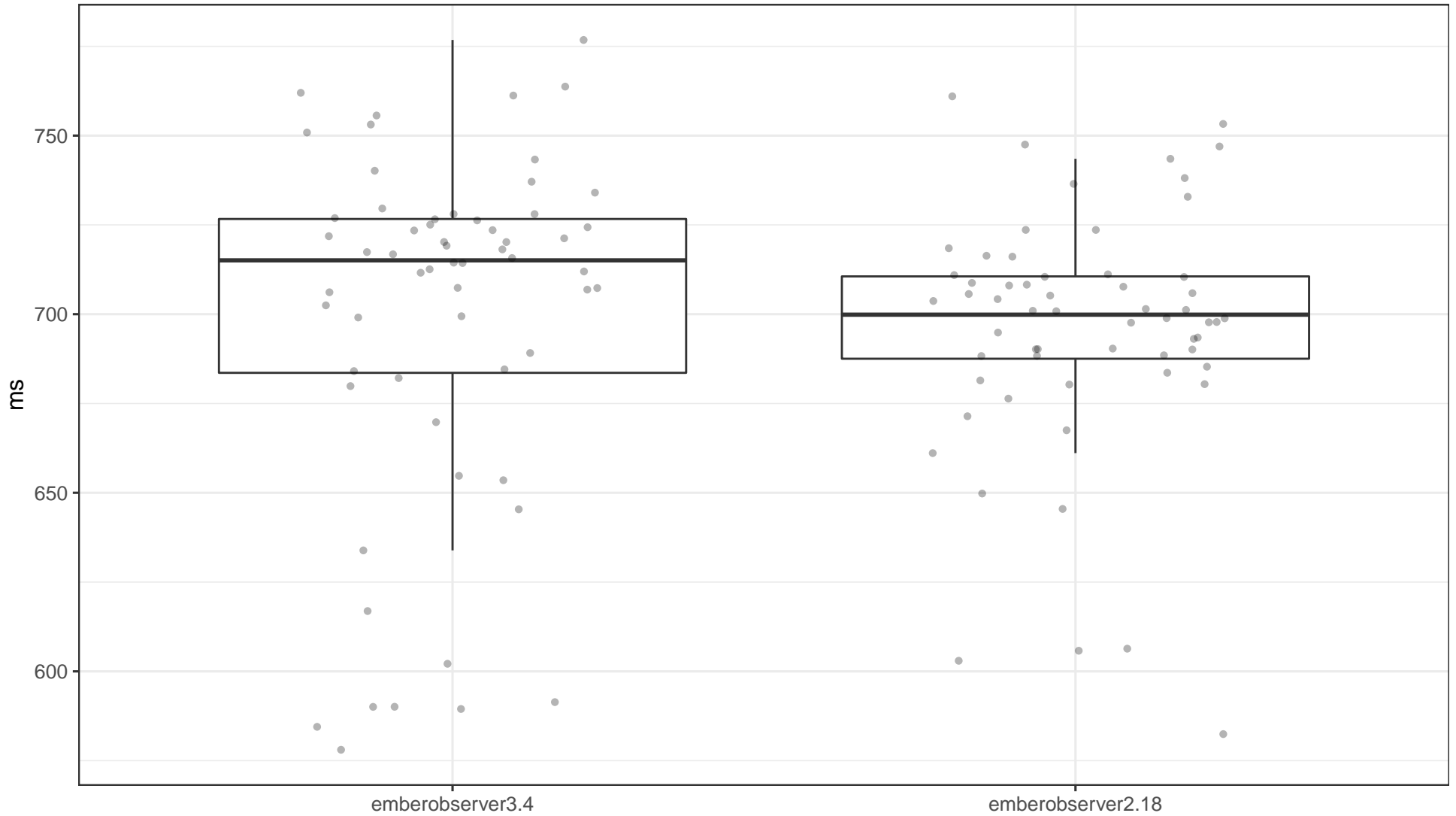


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +31.48ms, with a %95 confidence it is between +22.50ms and +40.53ms.

Test emberobserver3.4 JS Samples Against emberobserver2.18 JS Samples

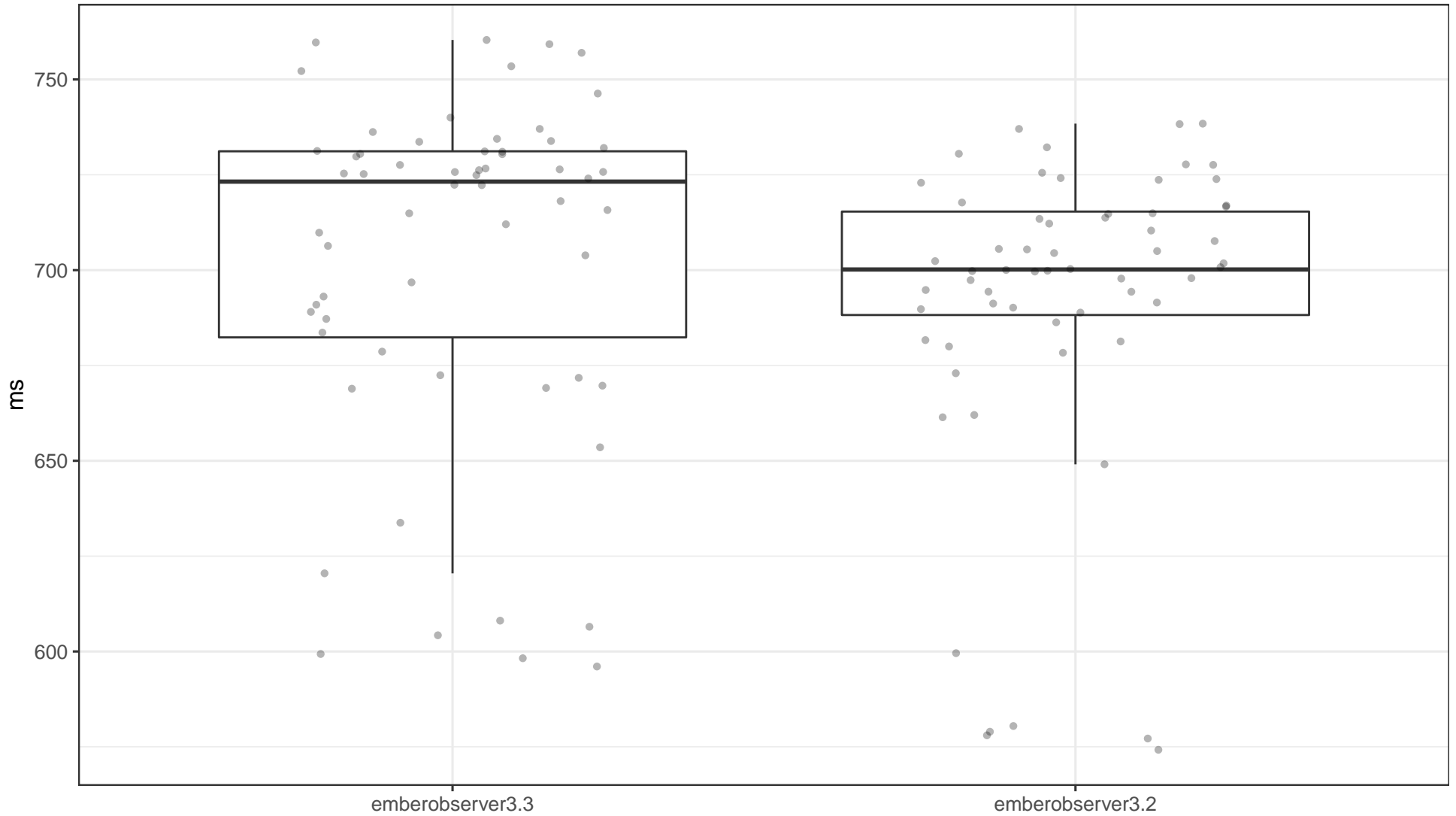


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %4.41 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +12.29ms, with a %95 confidence it is between +0.60ms and +21.69ms.

Test emberobserver3.3 JS Samples Against emberobserver3.2 JS Samples

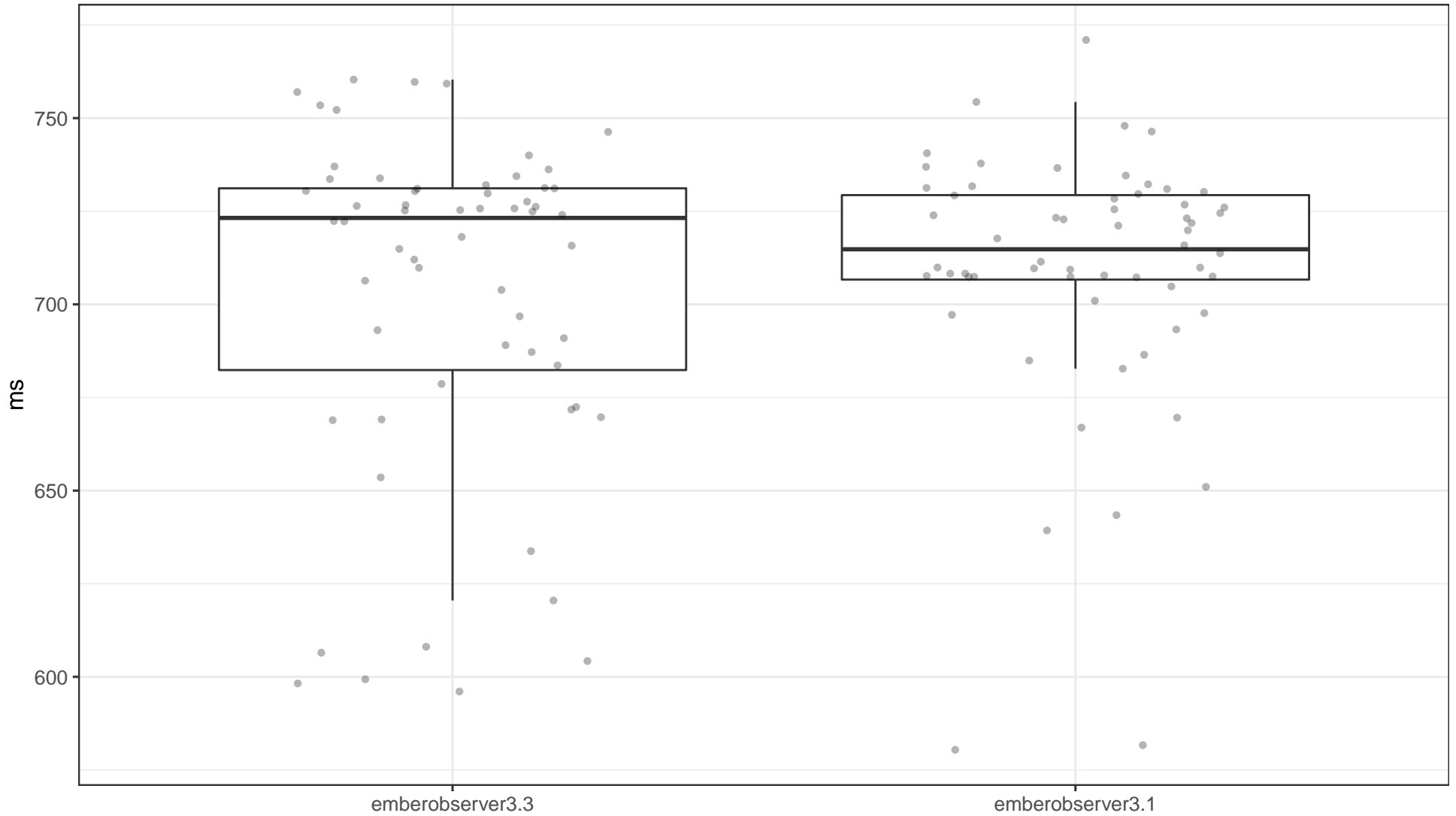


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %1.22 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +15.68ms, with a %95 confidence it is between +3.58ms and +25.82ms.

Test emberobserver3.3 JS Samples Against emberobserver3.1 JS Samples

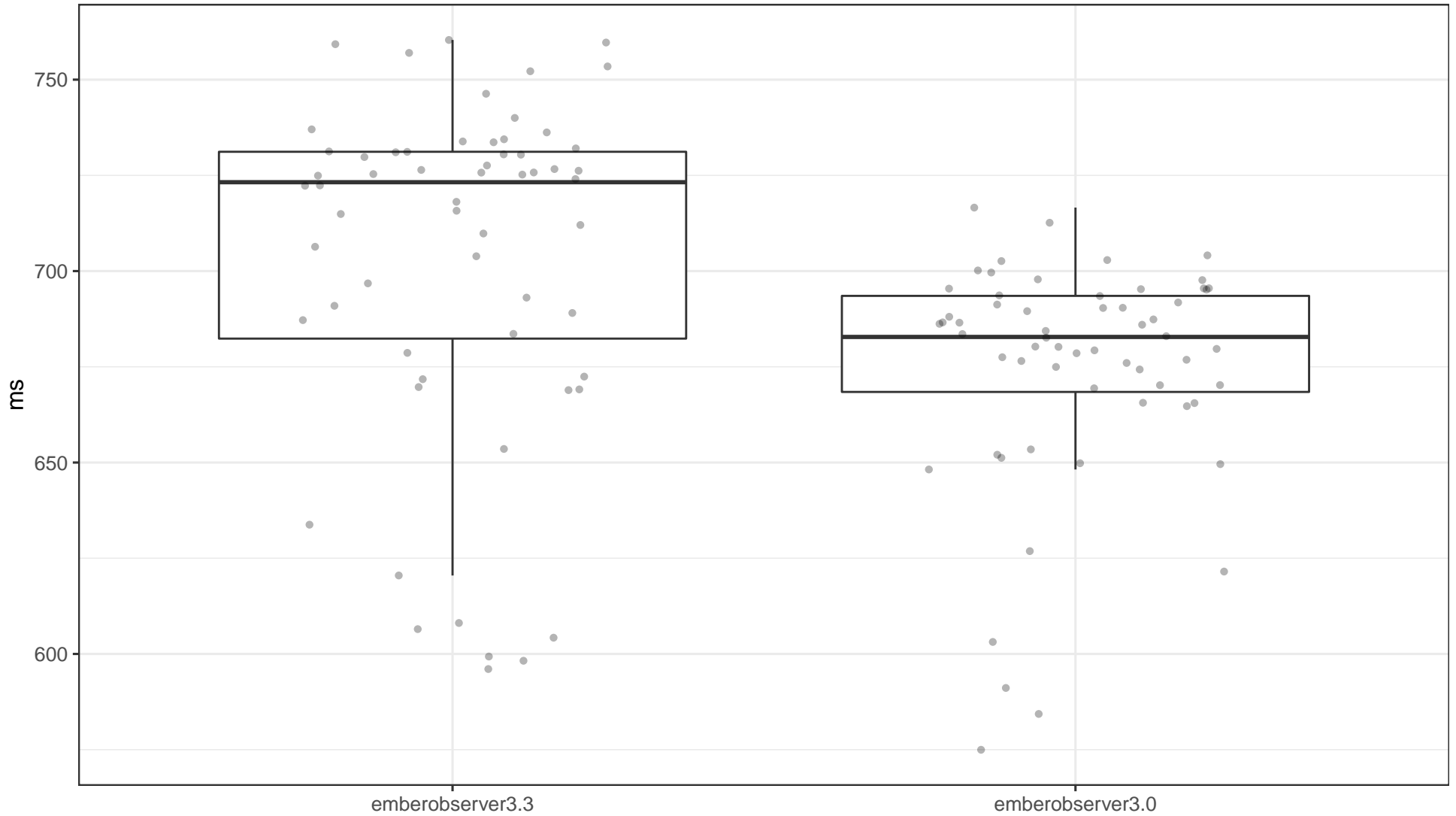


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %86.87 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +0.83ms, with a %95 confidence it is between -10.29ms and +10.32ms.

Test emberobserver3.3 JS Samples Against emberobserver3.0 JS Samples

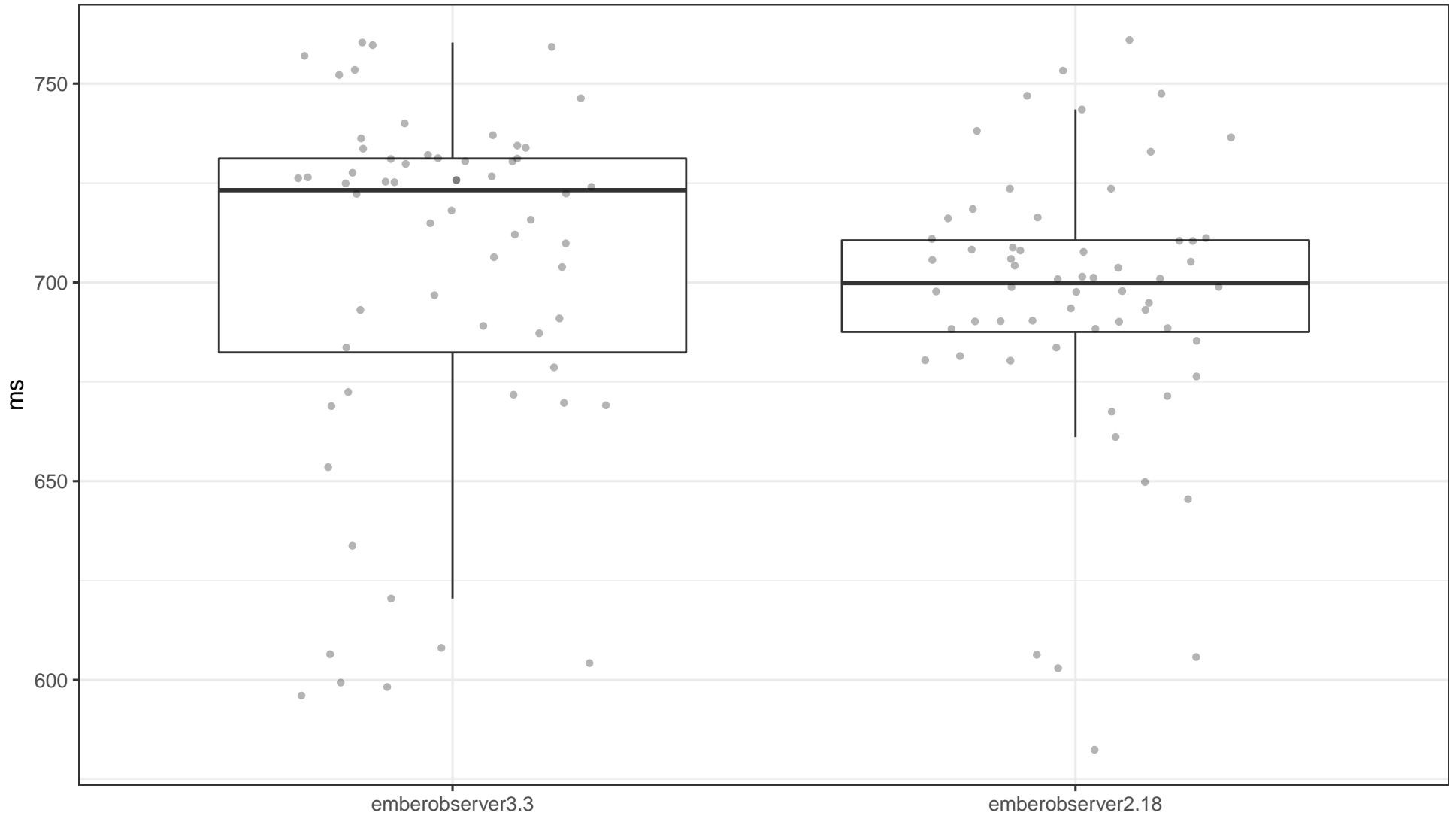


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +36.02ms, with a %95 confidence it is between +26.77ms and +44.63ms.

Test emberobserver3.3 JS Samples Against emberobserver2.18 JS Samples

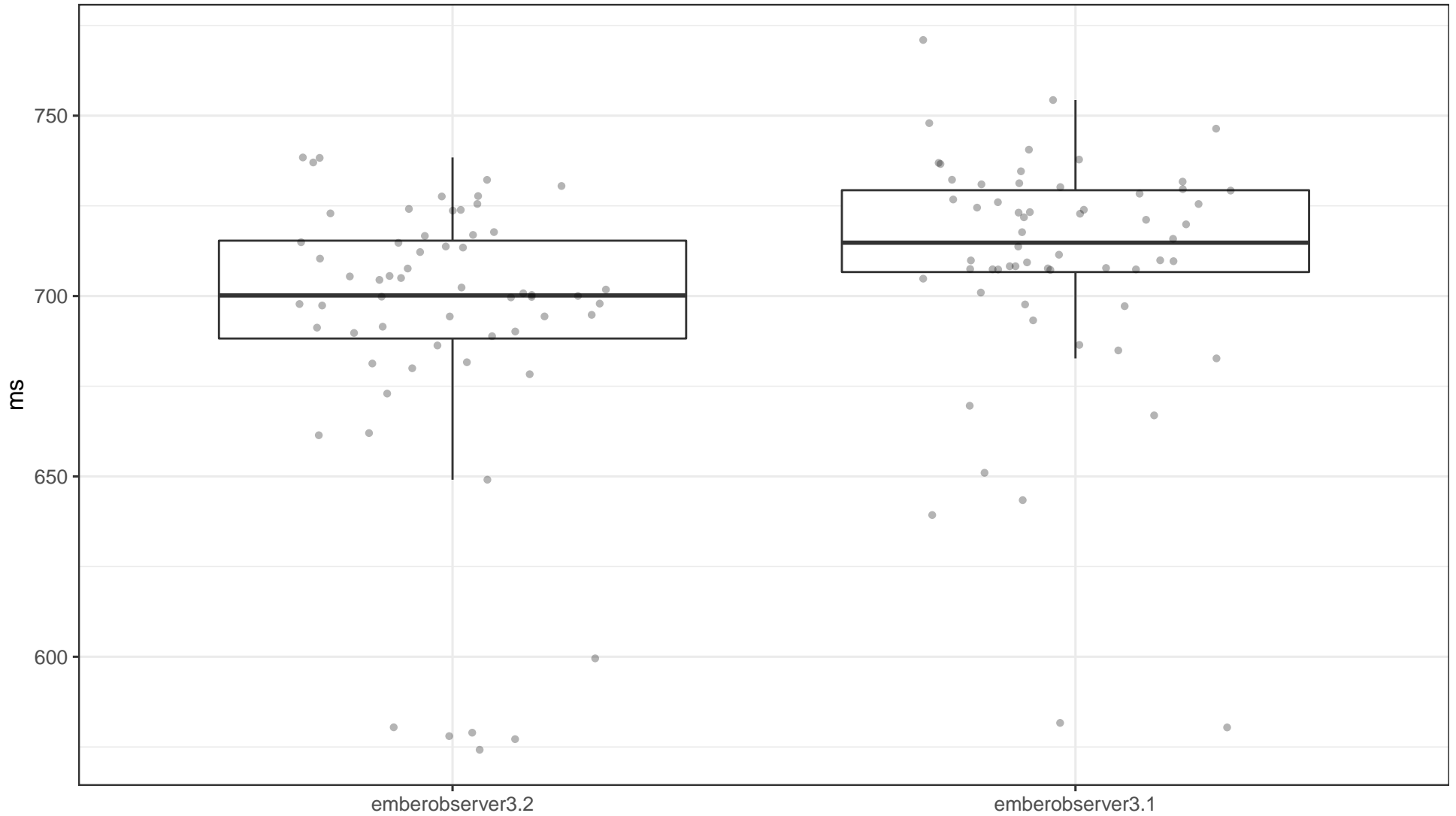


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %2.92 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +16.17ms, with a %95 confidence it is between +1.91ms and +25.67ms.

Test emberobserver3.2 JS Samples Against emberobserver3.1 JS Samples

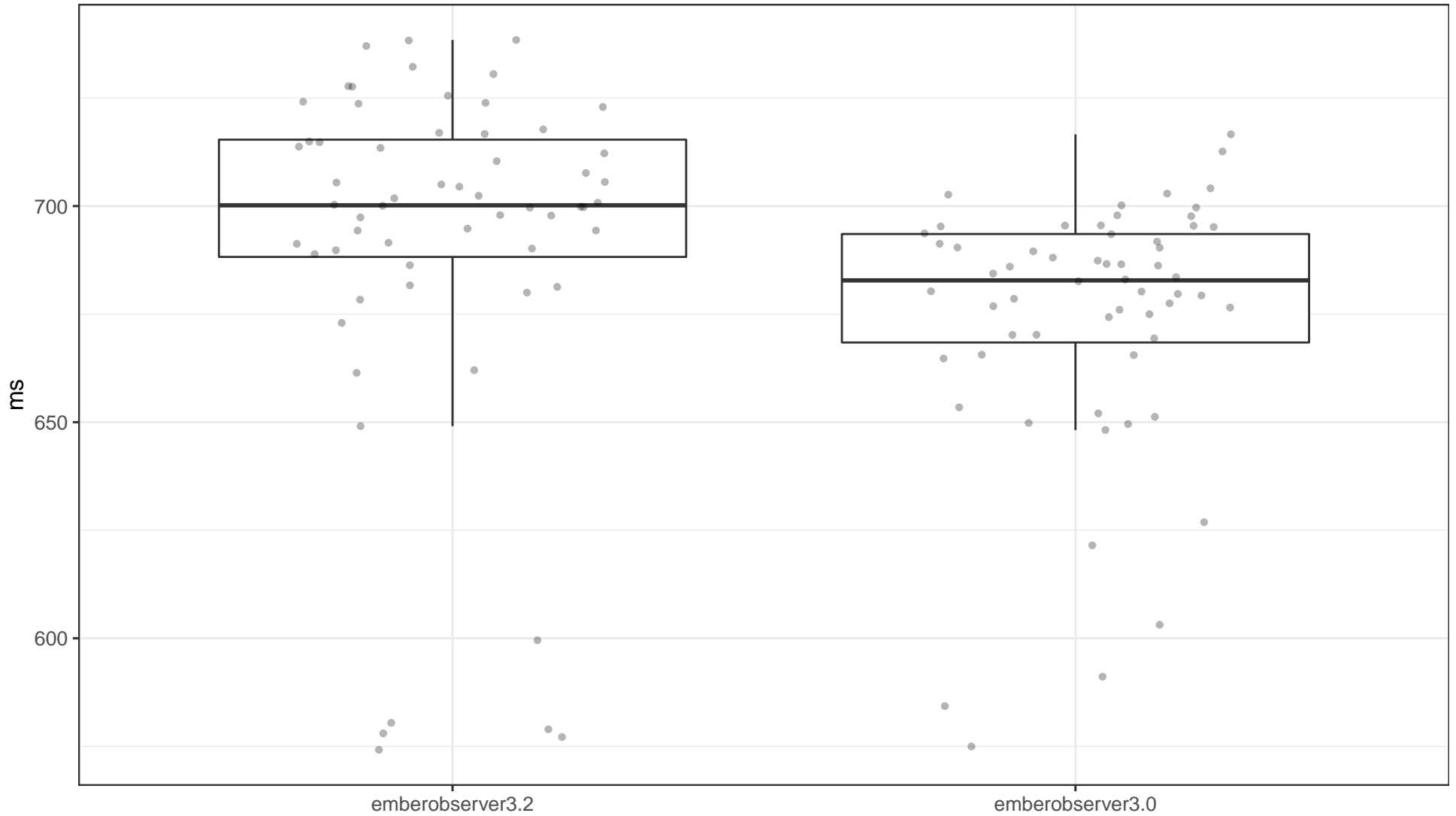


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.11 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -14.06ms , with a %95 confidence it is between -23.20ms and -6.44ms .

Test emberobserver3.2 JS Samples Against emberobserver3.0 JS Samples

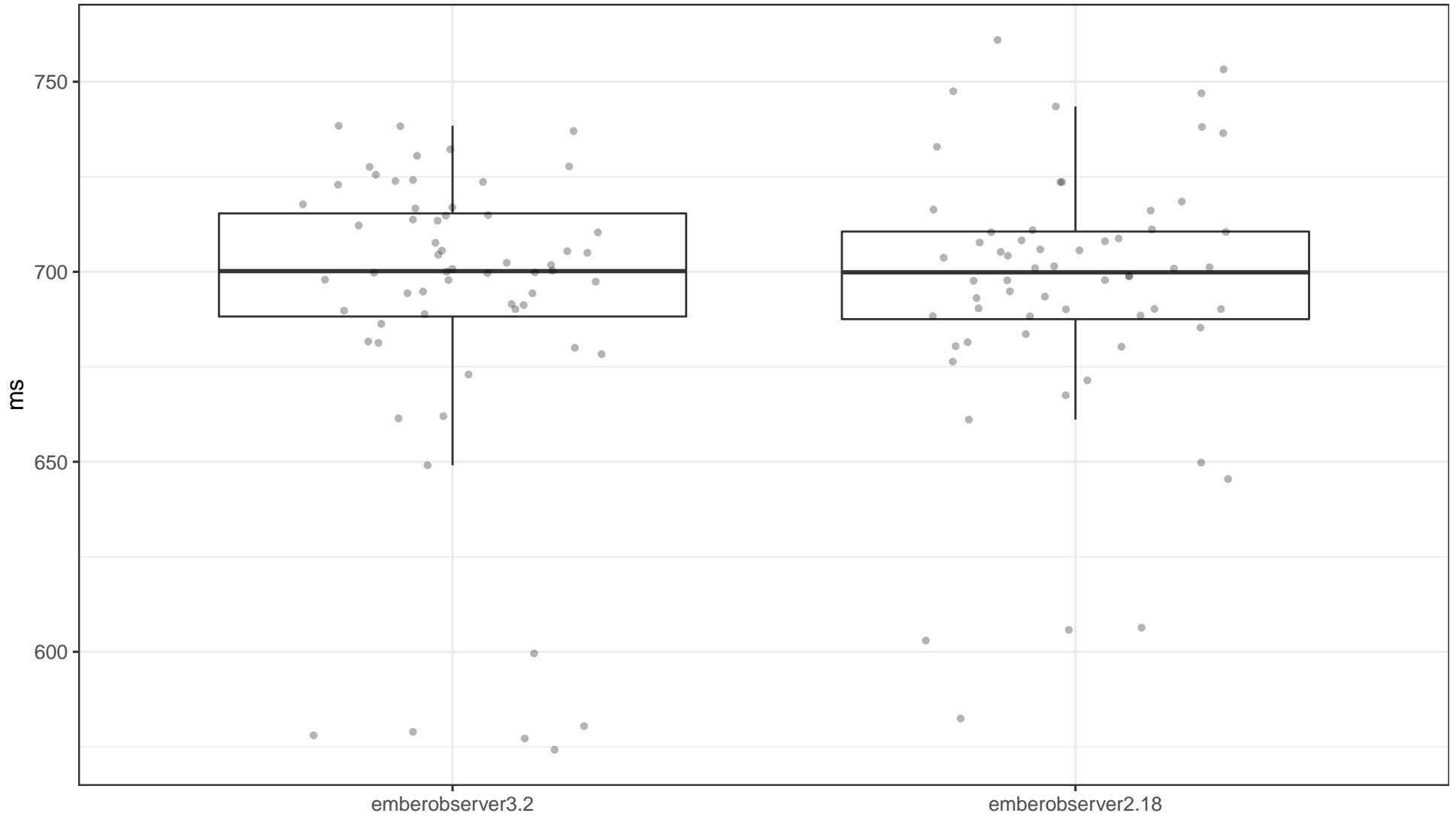


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +20.34ms, with a %95 confidence it is between +12.04ms and +28.59ms.

Test emberobserver3.2 JS Samples Against emberobserver2.18 JS Samples

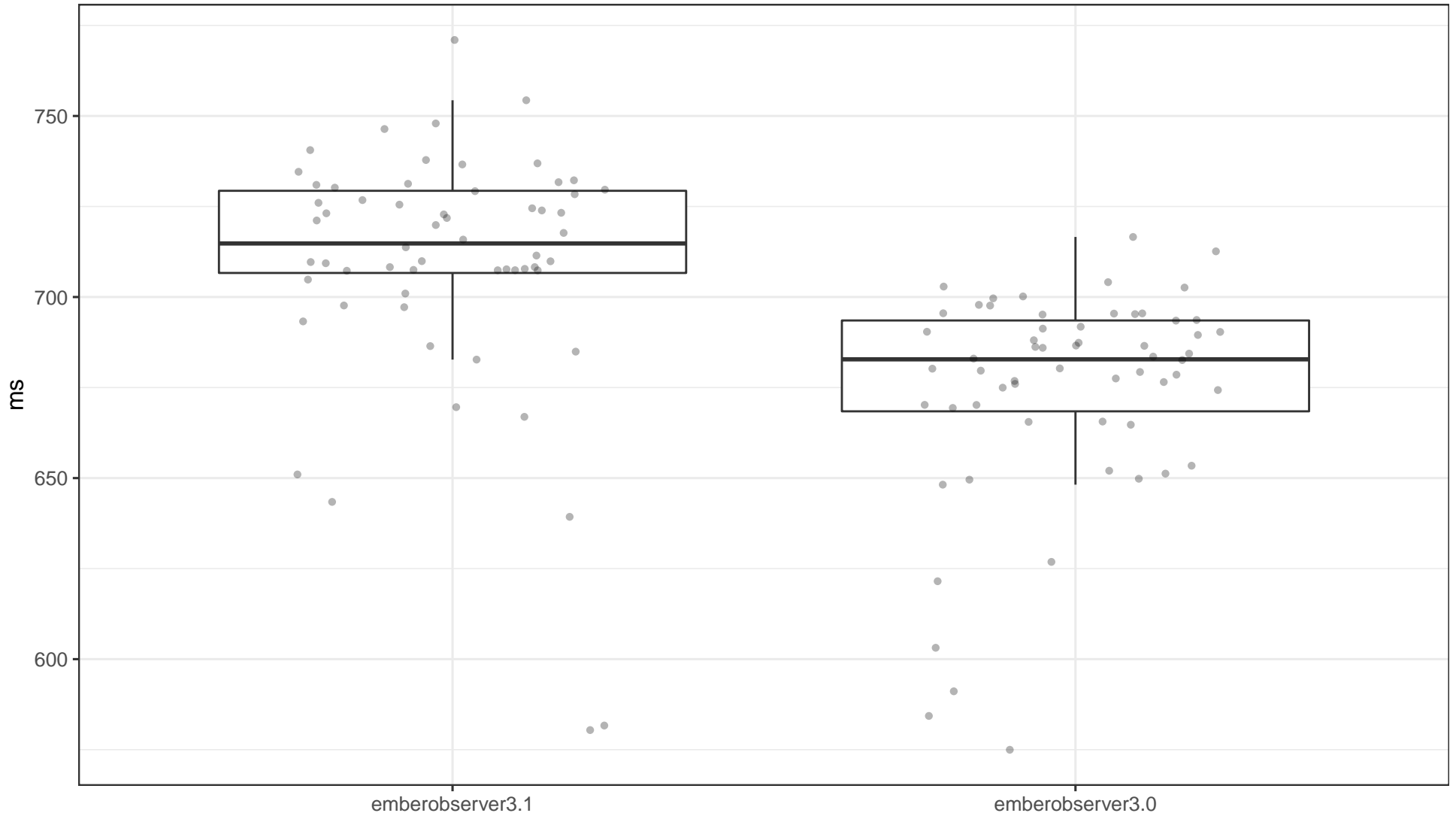


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %88.52 chance of observing these samples:
the result is statistically insignificant (%5 or greater chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +0.65ms, with a %95 confidence it is between -8.51ms and +9.57ms.

Test emberobserver3.1 JS Samples Against emberobserver3.0 JS Samples

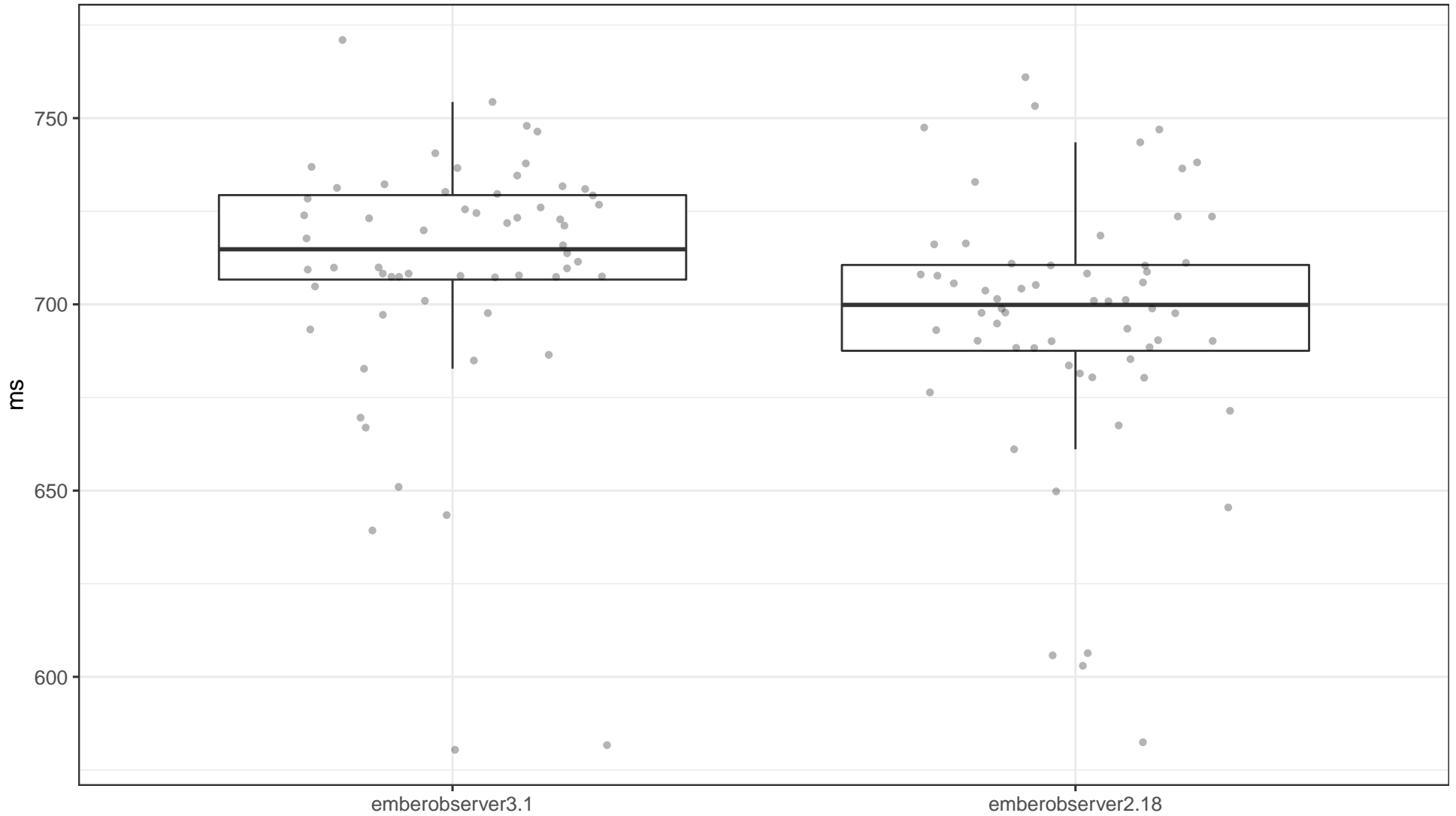


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +34.71ms, with a %95 confidence it is between +27.70ms and +42.61ms.

Test emberobserver3.1 JS Samples Against emberobserver2.18 JS Samples

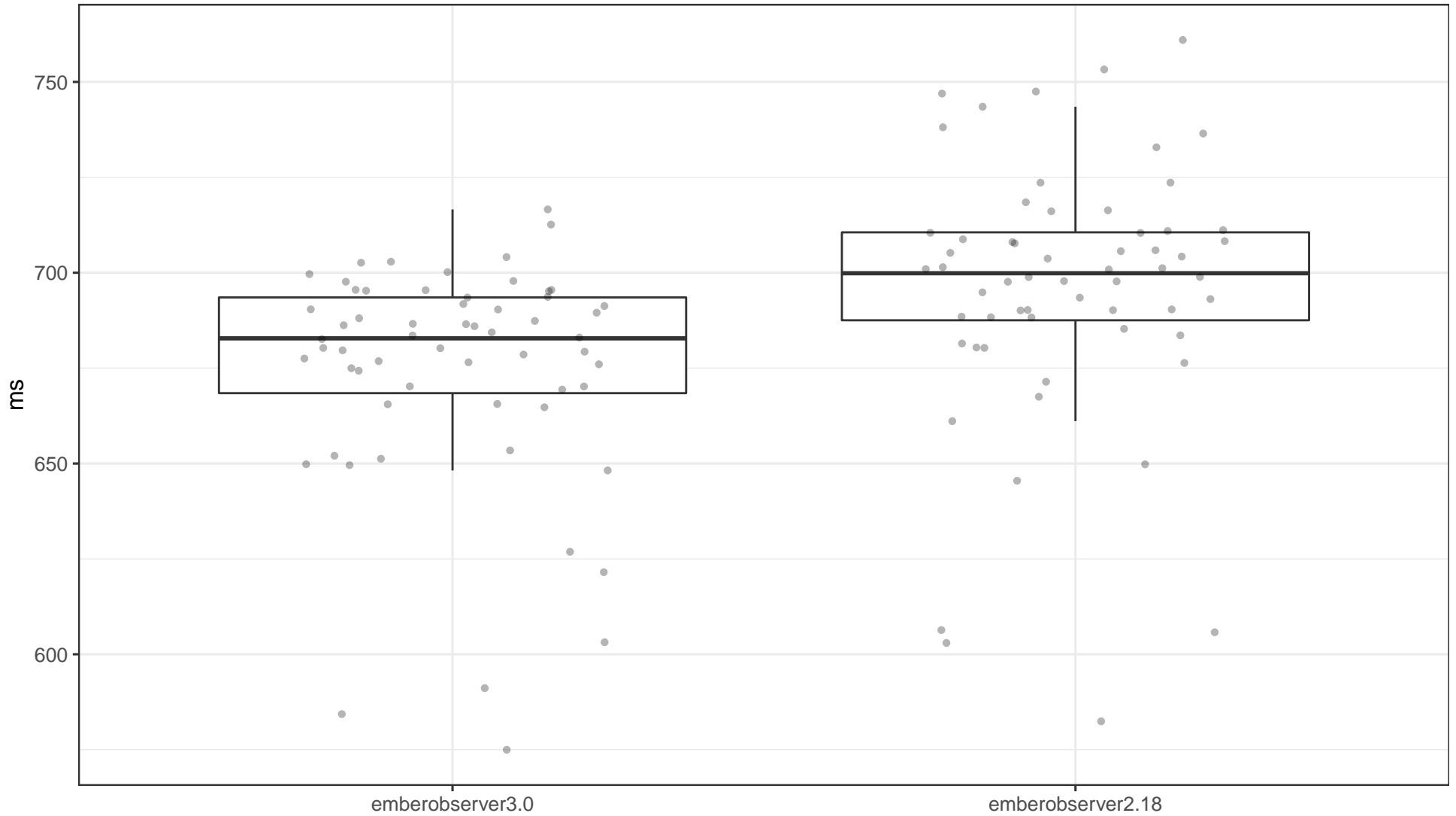


Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.14 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is +16.22ms, with a %95 confidence it is between +6.81ms and +24.04ms.

Test emberobserver3.0 JS Samples Against emberobserver2.18 JS Samples



Wilcoxon rank sum test with continuity correction

If the true location shift were equal to 0, there is a %0.00 chance of observing these samples:
the result is statistically significant (less than %5 chance of incorrectly rejecting the null hypothesis).

Estimated difference in location is -18.70ms , with a %95 confidence it is between -27.58ms and -11.04ms .