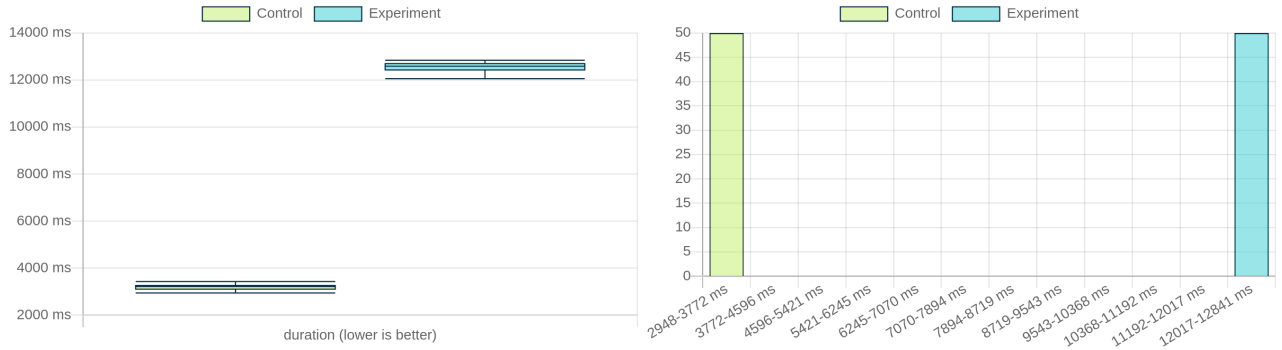
Boxplot & Frequency Results

TracerBench on HeadlessChrome/124.0.6367.60

duration **(9376 ms slower)**

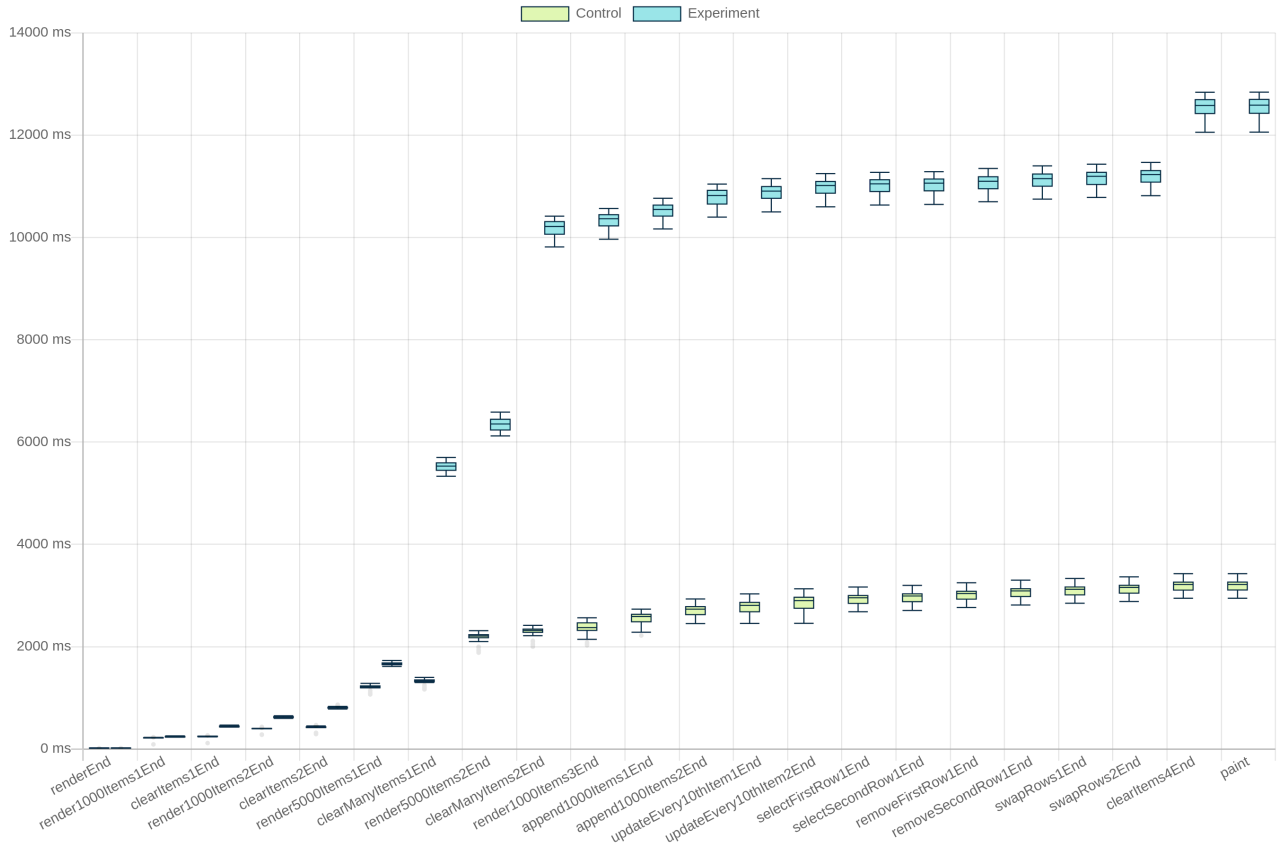
Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **9376 ms**. TracerBench is 95% confident "Experiment" is **slower** between **9317 ms to 9439 ms** based on 50 samples using a *(confidence interval)*.



Cumulative sub-phases of duration

The chart below shows the finish times (a point in the page load duration) of the sub-phases for experiment and control. It gives a high level view on what changed (if any).

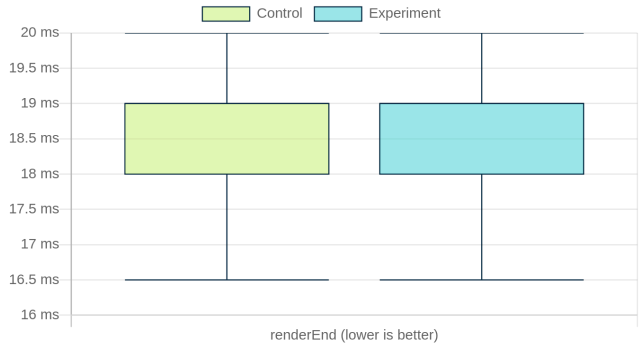
You can view more details about the sub-phases in the section below "Isolated sub-phases of duration".

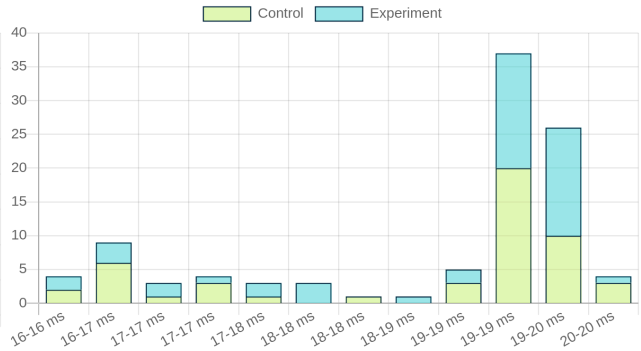


Isolated sub-phases of duration

renderEnd (No/Borderline Difference)

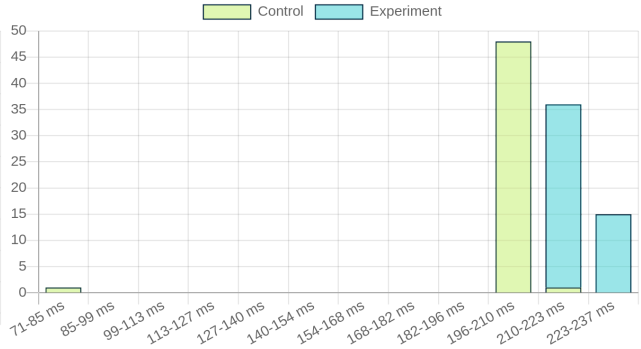
Based on the P-value of this benchmark the evidence for a metric shift is **weak.** TracerBench has determined the results are **not significant**.





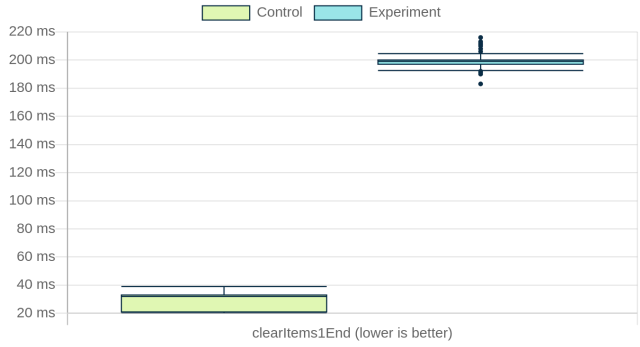
render1000Items1End (20 ms slower)

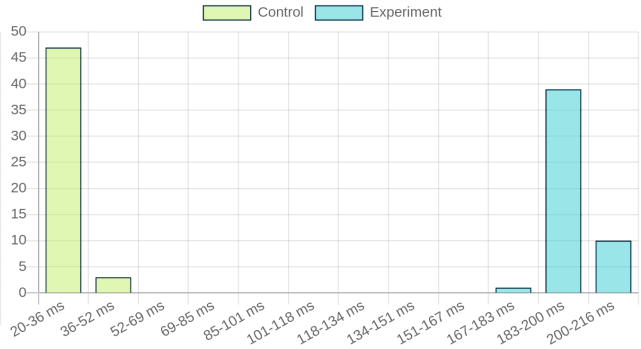
Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **20 ms**. TracerBench is 95% confident "Experiment" is **slower** between **17 ms to 22 ms** based on 50 samples using a *(confidence interval)*.



clearItems1End (173 ms slower)

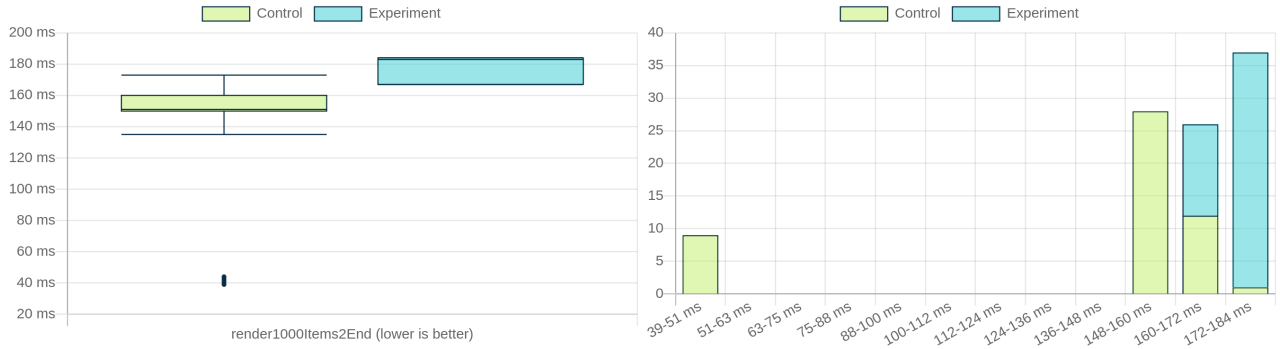
Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **173 ms**. TracerBench is 95% confident "Experiment" is **slower** between **167 ms to 177 ms** based on 50 samples using a *(confidence interval)*.





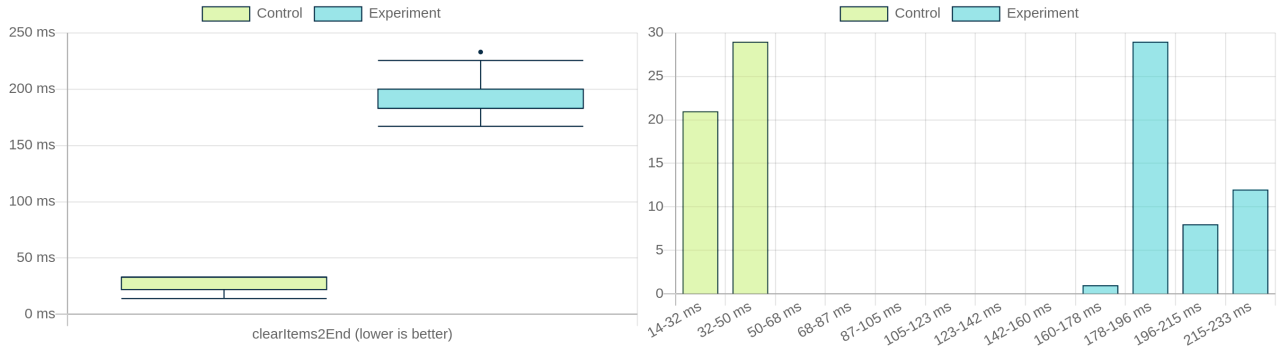
render1000Items2End (27 ms slower)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **27 ms**. TracerBench is 95% confident "Experiment" is **slower** between **17 ms to 33 ms** based on 50 samples using a *(confidence interval)*.



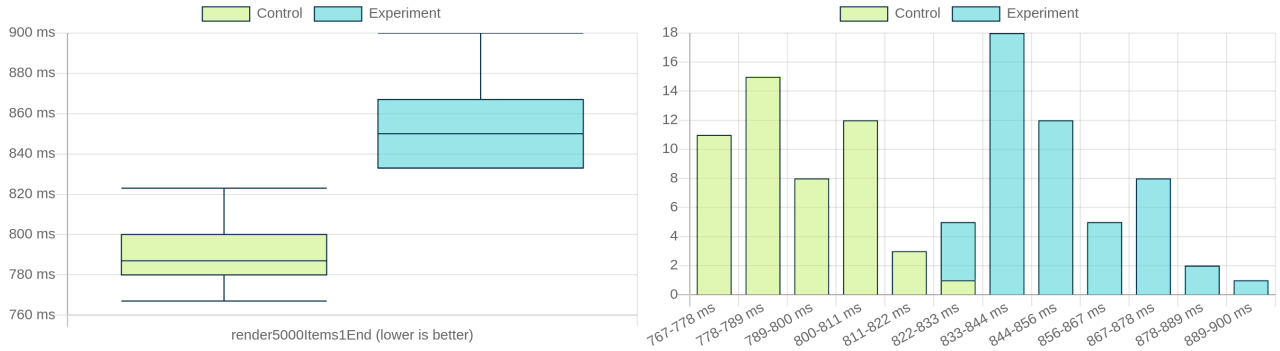
clearItems2End (166 ms slower)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **166 ms**. TracerBench is 95% confident "Experiment" is **slower** between **160 ms to 168 ms** based on 50 samples using a *(confidence interval)*.



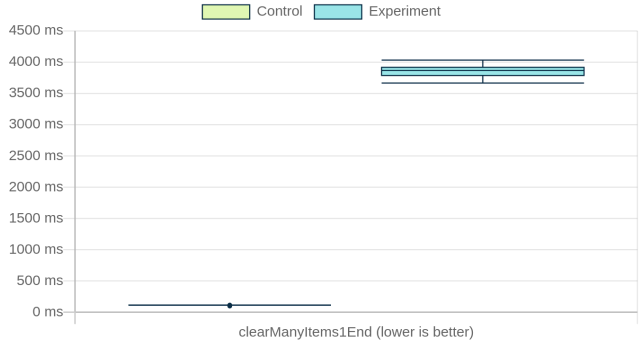
render5000Items1End (58 ms slower)

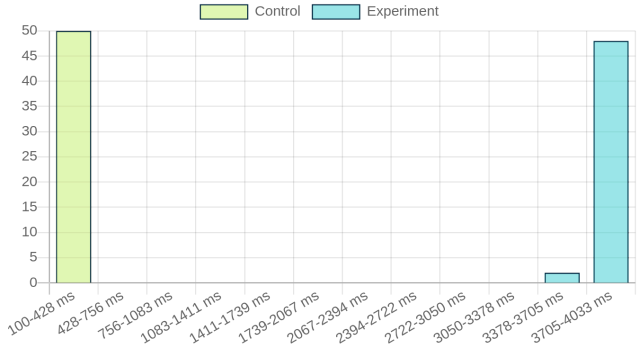
Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **58 ms**. TracerBench is 95% confident "Experiment" is **slower** between **50 ms to 67 ms** based on 50 samples using a *(confidence interval)*.



clearManyItems1End (3750 ms slower)

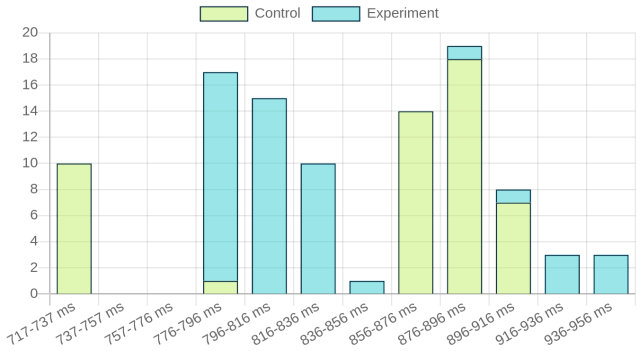
Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **3750 ms**. TracerBench is 95% confident "Experiment" is **slower** between **3727 ms to 3783 ms** based on 50 samples using a *(confidence interval)*.





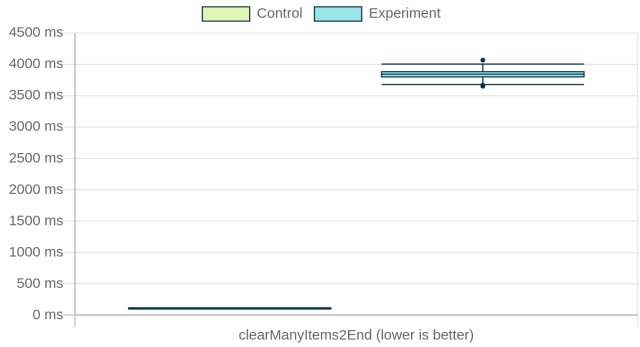
render5000Items2End (66 ms faster)

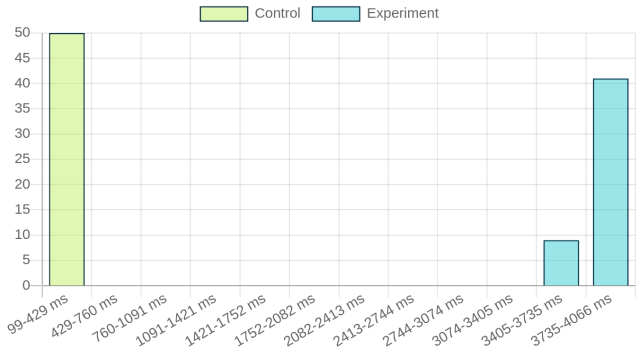
Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **faster** by **66 ms**. TracerBench is 95% confident "Experiment" is **faster** between **47 ms to 76 ms** based on 50 samples using a *(confidence interval)*.



clearManyItems2End (3734 ms slower)

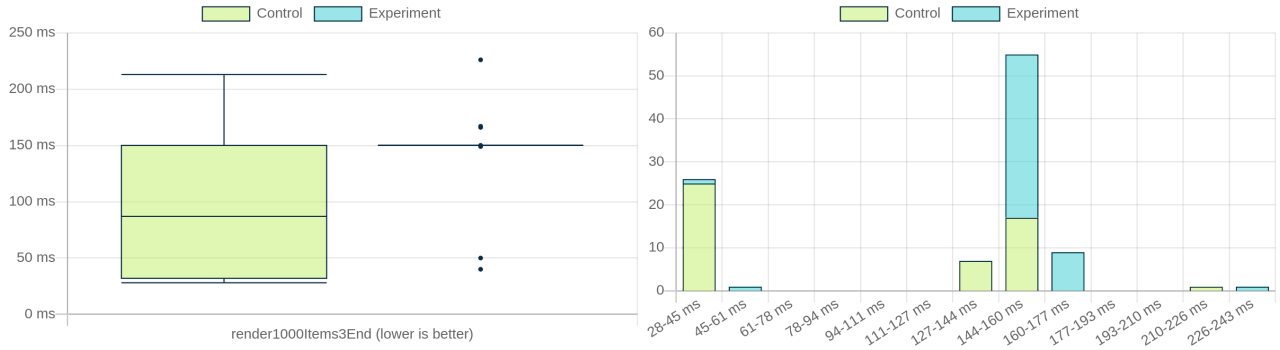
Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **3734 ms**. TracerBench is 95% confident "Experiment" is **slower** between **3710 ms to 3751 ms** based on 50 samples using a *(confidence interval)*.





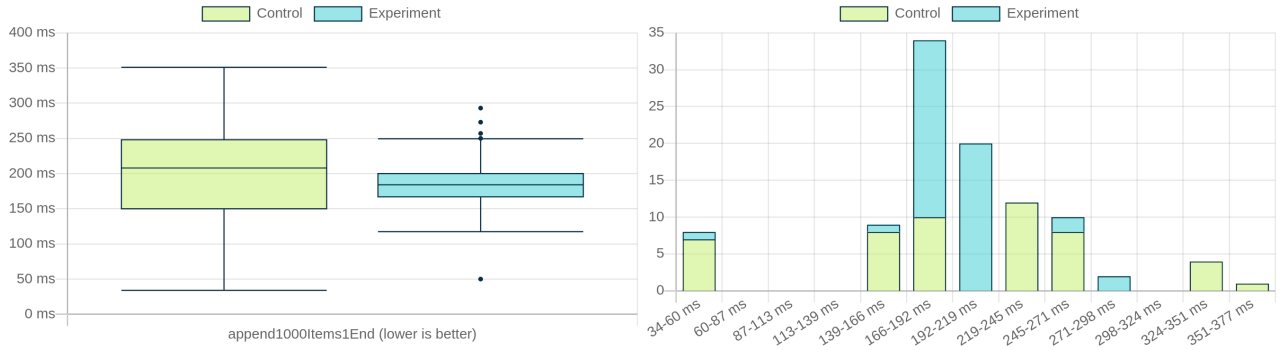
render1000Items3End **(33 ms slower)**

Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **33 ms**. TracerBench is 95% confident "Experiment" is **slower** between **16 ms to 117 ms** based on 50 samples using a *(confidence interval)*.



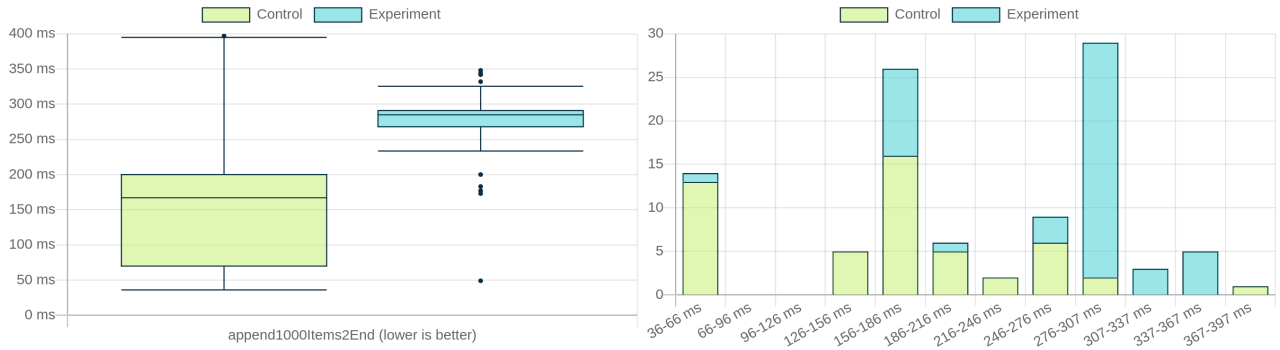
append1000Items1End (No/Borderline Difference)

Based on the P-value of this benchmark the evidence for a metric shift is **weak.** TracerBench has determined the results are **not significant**.



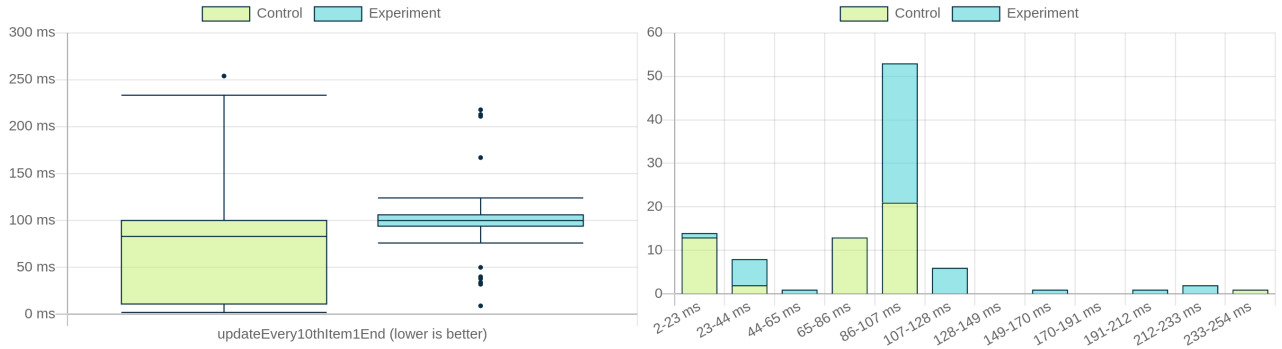
append1000Items2End **(120 ms slower)**

Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **120 ms**. TracerBench is 95% confident "Experiment" is **slower** between **91 ms to 130 ms** based on 50 samples using a *(confidence interval)*.



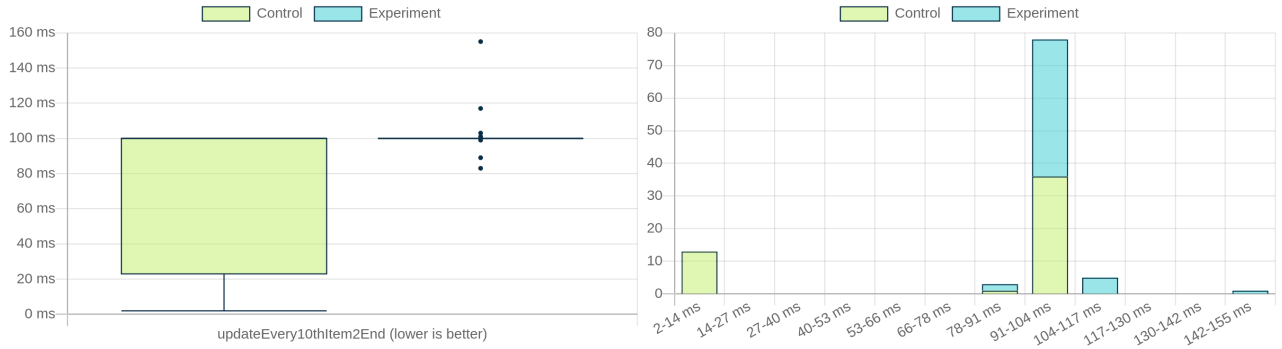
updateEvery10thItem1End **(14 ms slower)**

Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **14 ms**. TracerBench is 95% confident "Experiment" is **slower** between **7 ms to 23 ms** based on 50 samples using a *(confidence interval)*.



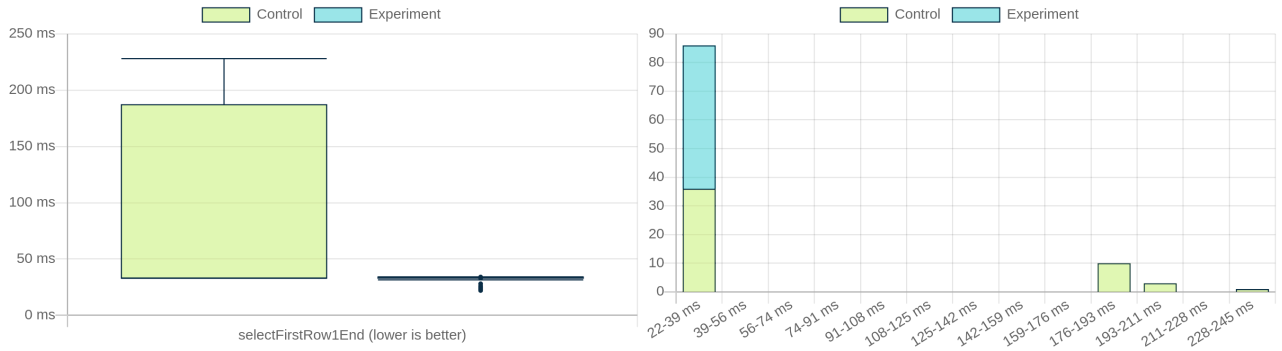
updateEvery10thItem2End (No/Borderline Difference)

Based on the P-value of this benchmark the evidence for a metric shift is **strong.** TracerBench has determined the results are **not significant**.



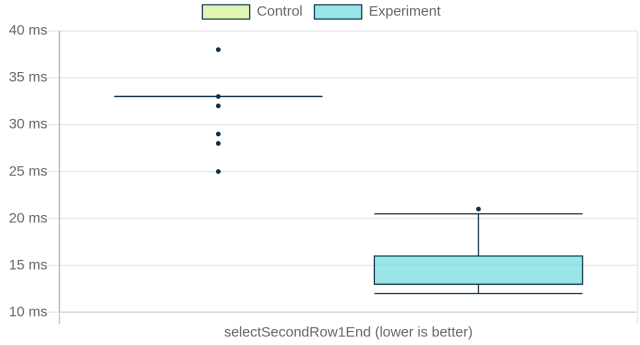
selectFirstRow1End (No/Borderline Difference)

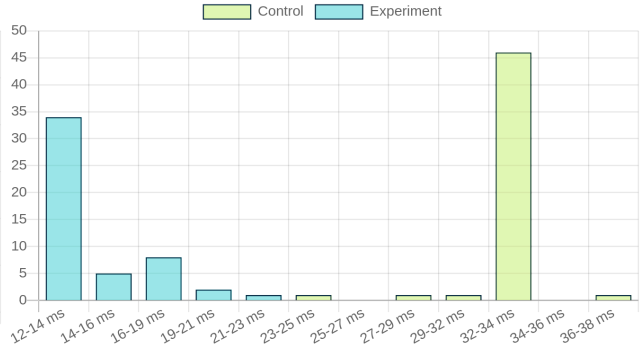
Based on the P-value of this benchmark the evidence for a metric shift is **weak.** TracerBench has determined the results are **not significant**.



selectSecondRow1End **(20 ms faster)**

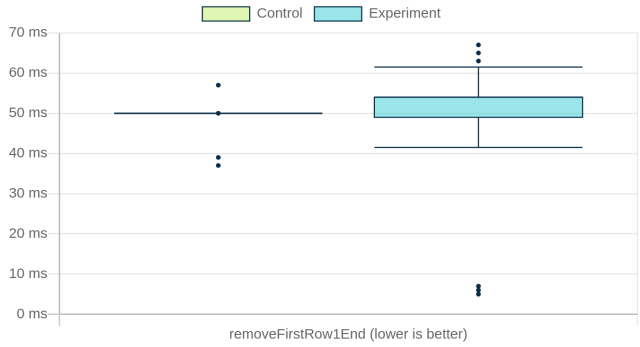
Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **faster** by **20 ms**. TracerBench is 95% confident "Experiment" is **faster** between **19 ms to 20 ms** based on 50 samples using a *(confidence interval)*.

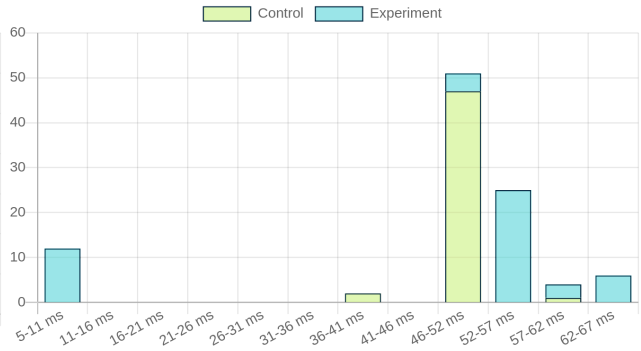




removeFirstRow1End **(4 ms slower)**

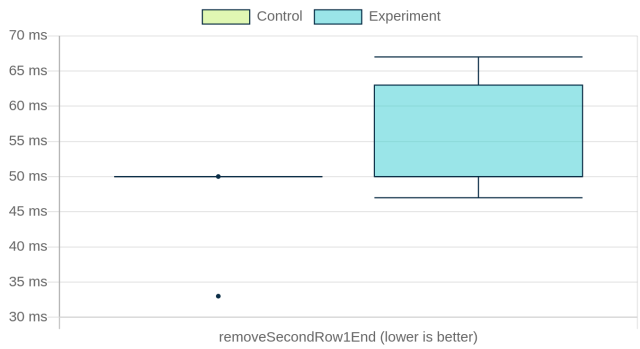
Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **4 ms**. TracerBench is 95% confident "Experiment" is **slower** between **3 ms to 4 ms** based on 50 samples using a *(confidence interval)*.

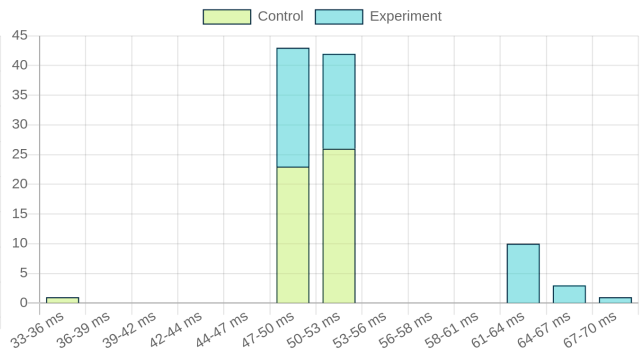




removeSecondRow1End (No/Borderline Difference)

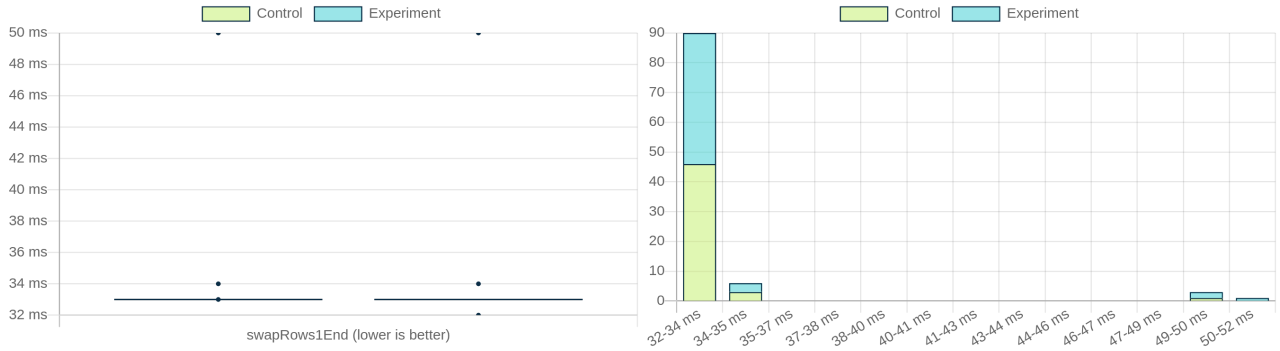
Based on the P-value of this benchmark the evidence for a metric shift is **weak.** TracerBench has determined the results are **not significant**.





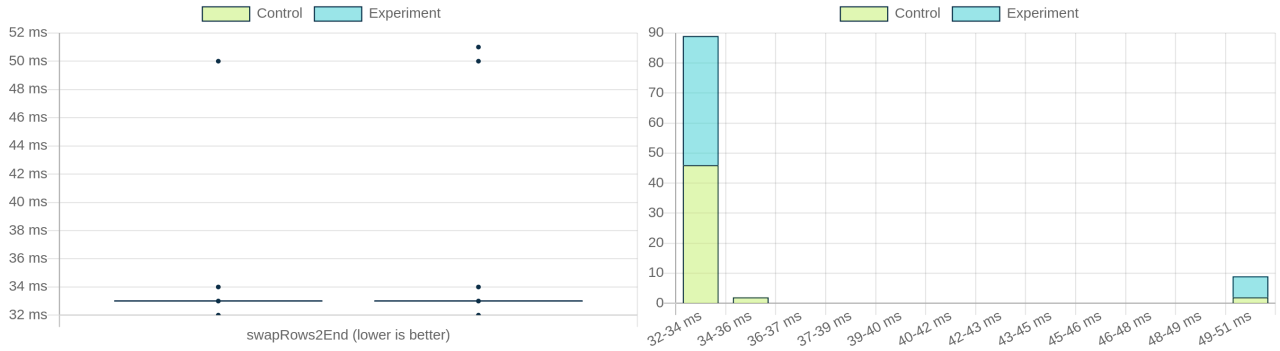
swapRows1End (No/Borderline Difference)

Based on the P-value of this benchmark the evidence for a metric shift is **weak.** TracerBench has determined the results are **not significant**.



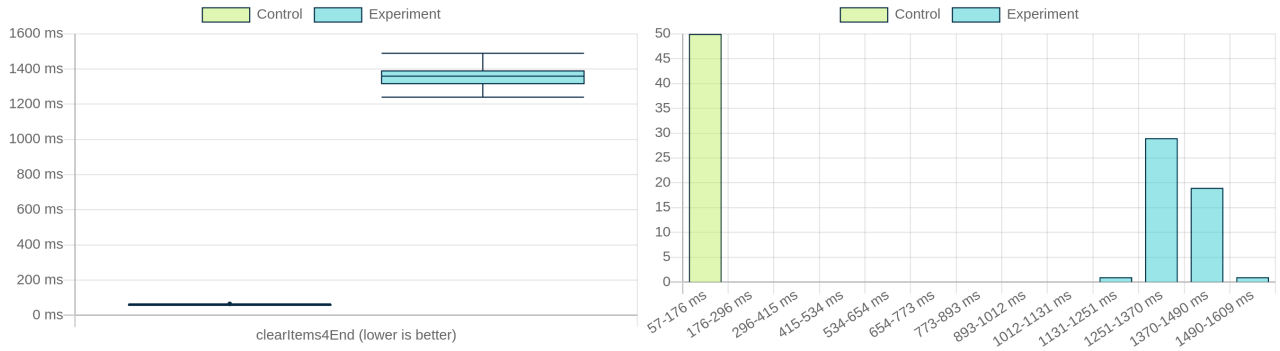
swapRows2End (No/Borderline Difference)

Based on the P-value of this benchmark the evidence for a metric shift is **weak.** TracerBench has determined the results are **not significant**.



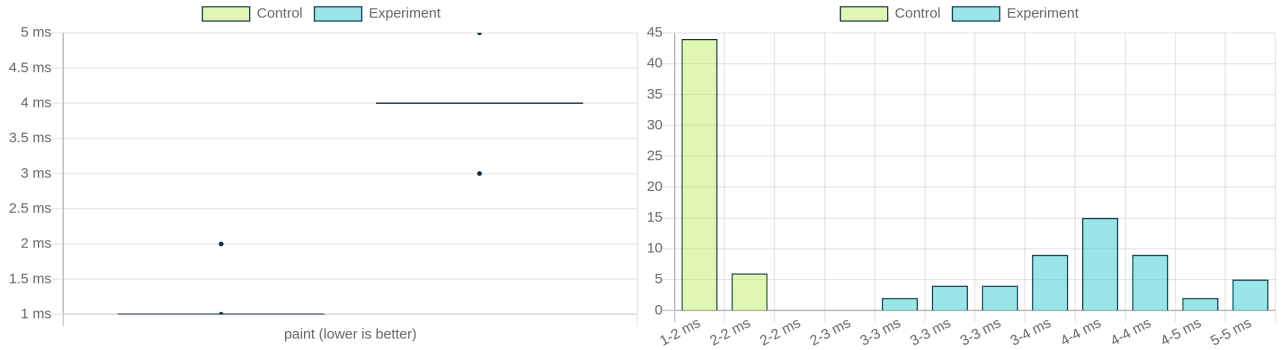
clearItems4End (1300 ms slower)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **1300 ms**. TracerBench is 95% confident "Experiment" is **slower** between **1285 ms to 1313 ms** based on 50 samples using a *(confidence interval)*.



paint **(3 ms slower)**

Based on the P-value of this benchmark the evidence for a metric shift is **very strong.** TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator *(Hodges–Lehmann estimator)* was used to determine "Experiment" is **slower** by **3 ms**. TracerBench is 95% confident "Experiment" is **slower** between **3 ms to 3 ms** based on 50 samples using a *(confidence interval)*.



Resources

- Stats Primer
- Understanding Boxplots
- Wilcoxon Rank-Sum Test

Configs Used


```
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