

1 Experiment Set Difference: Normal Convolutions (256 filters) v. Separable Convolutions (64 filters)

1.1 Average Treatment Effect (Per Experiment in Experiment Set)

cpu_hours	0.78958 +/- 0.0921516 (stderr) (p=0.000704376, Welch's t-test)
gpu_hours	0.712146 +/- 0.0829236 (stderr) (p=0.00069965, Welch's t-test)
estimated_carbon_impact_kg	0.0698025 +/- 0.00832753 (stderr) (p=0.000749333, Welch's t-test)
total_power	0.225208 +/- 0.0370368 (stderr) (p=0.00193955, Welch's t-test)
kw_hr_gpu	0.119624 +/- 0.013896 (stderr) (p=0.000694821, Welch's t-test)
kw_hr_cpu	0.0229131 +/- 0.0129353 (stderr) (p=0.0573597, Welch's t-test)
exp_len_hours	0.725647 +/- 0.084632 (stderr) (p=0.000702957, Welch's t-test)
average_realtime_carbon_intensity	15.7979 +/- 39.0801 (stderr) (p=0.540702, Welch's t-test)

1.2 Cumulative Difference (Per Experiment Set)

cpu_hours	3.032263888888889
gpu_hours	2.7379560966687735
estimated_carbon_impact_kg	0.27062057469109346
total_power	0.8719340694677704
kw_hr_gpu	0.46149854319938033
kw_hr_cpu	0.09035846279287936
exp_len_hours	2.7886390770143934
average_realtime_carbon_intensity	-234.0554376832058