

1 Experiment Set Difference: Normal Convolutions (512 filters) v. Separable Convolutions (256 filters)

1.1 Average Treatment Effect (Per Experiment in Experiment Set)

cpu_hours	3.65121 +/- 0.0113752 (stderr) (p=2.18067e-06, Welch's t-test)
gpu_hours	3.28558 +/- 0.00423596 (stderr) (p=4.07765e-07, Welch's t-test)
estimated_carbon_impact_kg	0.349106 +/- 0.067029 (stderr) (p=0.0139877, Welch's t-test)
total_power	1.22911 +/- 0.122707 (stderr) (p=0.00344971, Welch's t-test)
kw_hr_gpu	0.62411 +/- 0.000425695 (stderr) (p=7.06133e-10, Welch's t-test)
kw_hr_cpu	0.153807 +/- 0.0774318 (stderr) (p=0.0833213, Welch's t-test)
exp_len_hours	3.34345 +/- 0.00397577 (stderr) (p=3.43299e-07, Welch's t-test)
average_realtime_carbon_intensity	-11.6313 +/- 73.6195 (stderr) (p=0.822702, Welch's t-test)

1.2 Cumulative Difference (Per Experiment Set)

cpu_hours	10.31836388888889
gpu_hours	9.28130591319825
estimated_carbon_impact_kg	0.9956218656442224
total_power	3.5158305920244617
kw_hr_gpu	1.7812909363574514
kw_hr_cpu	0.4439182991010687
exp_len_hours	9.447678757508594
average_realtime_carbon_intensity	-337.45592226494523