

1 Experiment Set Difference: Normal Convolutions (512 filters) v. Separable Convolutions (32 filters)

1.1 Average Treatment Effect (Per Experiment in Experiment Set)

cpu_hours	4.19295 +/- 0.0149446 (stderr) (p=1.14001e-11, Welch's t-test)
gpu_hours	3.81041 +/- 0.00449525 (stderr) (p=1.96905e-08, Welch's t-test)
estimated_carbon_impact_kg	0.396743 +/- 0.0669836 (stderr) (p=0.0109475, Welch's t-test)
total_power	1.3876 +/- 0.121799 (stderr) (p=0.0029947, Welch's t-test)
kw_hr_gpu	0.707727 +/- 0.000488215 (stderr) (p=1.63777e-13, Welch's t-test)
kw_hr_cpu	0.170502 +/- 0.076858 (stderr) (p=0.0709956, Welch's t-test)
exp_len_hours	3.84207 +/- 0.00980624 (stderr) (p=1.09938e-14, Welch's t-test)
average_realtime_carbon_intensity	-21.3626 +/- 72.6335 (stderr) (p=0.684063, Welch's t-test)

1.2 Cumulative Difference (Per Experiment Set)

cpu_hours	12.391844444444445
gpu_hours	11.330012464341742
estimated_carbon_impact_kg	1.1821127402577403
total_power	4.136802948871528
kw_hr_gpu	2.108337452388648
kw_hr_cpu	0.5098922620870029
exp_len_hours	11.358053895566197
average_realtime_carbon_intensity	-688.6743349159567