

1 Experiment Set Difference: Normal Convolutions (256 filters) v. Separable Convolutions (32 filters)

1.1 Average Treatment Effect (Per Experiment in Experiment Set)

cpu_hours	0.822128 +/- 0.0926757 (stderr) (p=0.000565124, Welch's t-test)
gpu_hours	0.772159 +/- 0.082937 (stderr) (p=0.00054861, Welch's t-test)
estimated_carbon_impact_kg	0.074333 +/- 0.00832636 (stderr) (p=0.000623246, Welch's t-test)
total_power	0.241106 +/- 0.0370381 (stderr) (p=0.00158652, Welch's t-test)
kw_hr_gpu	0.129198 +/- 0.013899 (stderr) (p=0.000550703, Welch's t-test)
kw_hr_cpu	0.0234009 +/- 0.0129355 (stderr) (p=0.0545264, Welch's t-test)
exp_len_hours	0.755522 +/- 0.0851046 (stderr) (p=0.000565076, Welch's t-test)
average_realtime_carbon_intensity	0.751691 +/- 38.9464 (stderr) (p=0.975899, Welch's t-test)

1.2 Cumulative Difference (Per Experiment Set)

cpu_hours	3.195002777777778
gpu_hours	3.038024162614434
estimated_carbon_impact_kg	0.2932733795690893
total_power	0.9514223287127822
kw_hr_gpu	0.509368512587739
kw_hr_cpu	0.09279751824313581
exp_len_hours	2.9380140746964347
average_realtime_carbon_intensity	-309.28648340266477