

1 Experiment Set Difference: Normal Convolutions (64 filters) v. Separable Convolutions (512 filters)

1.1 Average Treatment Effect (Per Experiment in Experiment Set)

cpu_hours	-1.48575 +/- 0.00535315 (stderr) (p=4.24434e-06, Welch's t-test)
gpu_hours	-1.35928 +/- 0.000904808 (stderr) (p=2.60838e-13, Welch's t-test)
estimated_carbon_impact_kg	-0.128058 +/- 0.00874664 (stderr) (p=0.00180426, Welch's t-test)
total_power	-0.370121 +/- 0.0111006 (stderr) (p=0.000205821, Welch's t-test)
kw_hr_gpu	-0.208714 +/- 0.000435277 (stderr) (p=4.78881e-07, Welch's t-test)
kw_hr_cpu	-0.0255394 +/- 0.00738956 (stderr) (p=0.0260902, Welch's t-test)
exp_len_hours	-1.37043 +/- 0.000650684 (stderr) (p=2.0637e-19, Welch's t-test)
average_realtime_carbon_intensity	-167.473 +/- 5.41022 (stderr) (p=5.06095e-09, Welch's t-test)

1.2 Cumulative Difference (Per Experiment Set)

cpu_hours	-4.146358333333334
gpu_hours	-3.811030961680269
estimated_carbon_impact_kg	-0.3707443577428322
total_power	-1.0296389628308078
kw_hr_gpu	-0.5831701493557407
kw_hr_cpu	-0.06850008028401103
exp_len_hours	-3.830737773842282
average_realtime_carbon_intensity	-169.1248754890487