

1 Experiment Set Difference: Separable Convolutions (64 filters) v. Separable Convolutions (128 filters)

1.1 Average Treatment Effect (Per Experiment in Experiment Set)

cpu_hours	-0.496916 +/- 0.00894833 (stderr) (p=8.70054e-09, Welch's t-test)
gpu_hours	-0.433042 +/- 0.00269103 (stderr) (p=4.04623e-11, Welch's t-test)
estimated_carbon_impact_kg	-0.0355316 +/- 0.00604792 (stderr) (p=0.0021246, Welch's t-test)
total_power	-0.169064 +/- 0.00253858 (stderr) (p=2.83515e-08, Welch's t-test)
kw_hr_gpu	-0.101264 +/- 0.0016947 (stderr) (p=4.38551e-08, Welch's t-test)
kw_hr_cpu	-0.0057384 +/- 9.77866e-05 (stderr) (p=3.50648e-09, Welch's t-test)
exp_len_hours	-0.440156 +/- 0.00426541 (stderr) (p=8.6903e-12, Welch's t-test)
average_realtime_carbon_intensity	-41.5059 +/- 18.7125 (stderr) (p=0.0324924, Welch's t-test)

1.2 Cumulative Difference (Per Experiment Set)

cpu_hours	-1.987663888888896
gpu_hours	-1.7321692817576784
estimated_carbon_impact_kg	-0.14212655264995774
total_power	-0.6762562685024063
kw_hr_gpu	-0.40505668638364944
kw_hr_cpu	-0.022953610136860963
exp_len_hours	-1.7606259825494552
average_realtime_carbon_intensity	-166.02373464020866