

# 1 Experiment Set Difference: Normal Convolutions (32 filters) v. Normal Convolutions (128 filters)

## 1.1 Average Treatment Effect (Per Experiment in Experiment Set)

cpu_hours	-1.01451 +/- 0.00785308 (stderr) (p=2.65485e-08, Welch's t-test)
gpu_hours	-0.893026 +/- 0.00346745 (stderr) (p=6.11616e-09, Welch's t-test)
estimated_carbon_impact_kg	-0.131672 +/- 0.00466949 (stderr) (p=1.22275e-05, Welch's t-test)
total_power	-0.378849 +/- 0.00976106 (stderr) (p=6.86442e-06, Welch's t-test)
kw_hr_gpu	-0.226654 +/- 0.00548842 (stderr) (p=5.47002e-06, Welch's t-test)
kw_hr_cpu	-0.0131244 +/- 0.00116085 (stderr) (p=0.000308014, Welch's t-test)
exp_len_hours	-0.903765 +/- 0.00329574 (stderr) (p=7.2376e-11, Welch's t-test)
average_realtime_carbon_intensity	-87.2613 +/- 12.5536 (stderr) (p=0.00050248, Welch's t-test)

## 1.2 Cumulative Difference (Per Experiment Set)

cpu_hours	-4.058025000000001
gpu_hours	-3.57210574334093
estimated_carbon_impact_kg	-0.5266891654544956
total_power	-1.5153976056268785
kw_hr_gpu	-0.9066147617183666
kw_hr_cpu	-0.052497646906240314
exp_len_hours	-3.6150590062141417
average_realtime_carbon_intensity	-349.04537940421915