

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

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

cpu_hours	-4.21296 +/- 0.0112279 (stderr) (p=2.71092e-06, Welch's t-test)
gpu_hours	-3.79882 +/- 0.00420878 (stderr) (p=4.09807e-07, Welch's t-test)
estimated_carbon_impact_kg	-0.398028 +/- 0.0669836 (stderr) (p=0.0108781, Welch's t-test)
total_power	-1.38287 +/- 0.1218 (stderr) (p=0.00301476, Welch's t-test)
kw_hr_gpu	-0.705624 +/- 0.000617654 (stderr) (p=6.59306e-18, Welch's t-test)
kw_hr_cpu	-0.169612 +/- 0.076859 (stderr) (p=0.0716607, Welch's t-test)
exp_len_hours	-3.86166 +/- 0.00395138 (stderr) (p=3.4295e-07, Welch's t-test)
average_realtime_carbon_intensity	-134.438 +/- 72.5852 (stderr) (p=0.0974147, Welch's t-test)

## 1.2 Cumulative Difference (Per Experiment Set)

cpu_hours	-12.491872222222222
gpu_hours	-11.272041872501935
estimated_carbon_impact_kg	-1.1885333947215724
total_power	-4.113163301847514
kw_hr_gpu	-2.0978228869000985
kw_hr_cpu	-0.5054450256616196
exp_len_hours	-11.456001194583044
average_realtime_carbon_intensity	-90.32647994091212