

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

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

cpu_hours	-0.0200056 +/- 0.00987784 (stderr) (p=0.023668, Welch's t-test)
gpu_hours	0.0115941 +/- 0.0016556 (stderr) (p=0.000147857, Welch's t-test)
estimated_carbon_impact_kg	-0.00128413 +/- 0.000132032 (stderr) (p=1.6104e-07, Welch's t-test)
total_power	0.00472793 +/- 0.000708709 (stderr) (p=1.69549e-05, Welch's t-test)
kw_hr_gpu	0.00210291 +/- 0.000568237 (stderr) (p=0.000409588, Welch's t-test)
kw_hr_cpu	0.000889447 +/- 0.000408858 (stderr) (p=0.0158064, Welch's t-test)
exp_len_hours	-0.0195895 +/- 0.00898836 (stderr) (p=0.0186636, Welch's t-test)
average_realtime_carbon_intensity	-155.8 +/- 3.11076 (stderr) (p=1.61109e-09, Welch's t-test)

## 1.2 Cumulative Difference (Per Experiment Set)

cpu_hours	-0.1000277777777777
gpu_hours	0.057970591839805796
estimated_carbon_impact_kg	-0.006420654463832108
total_power	0.02363964702401332
kw_hr_gpu	0.010514565488549225
kw_hr_cpu	0.004447236425383255
exp_len_hours	-0.09794729901684657
average_realtime_carbon_intensity	-779.0008148568688