

# 1 Experiment Set Difference: Normal Convolutions (256 filters) v. Separable Convolutions (256 filters)

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

cpu_hours	0.09712 +/- 0.328722 (stderr) (p=0.631826, Welch's t-test)
gpu_hours	0.0824521 +/- 0.296006 (stderr) (p=0.650885, Welch's t-test)
estimated_carbon_impact_kg	0.0104026 +/- 0.0283702 (stderr) (p=0.554932, Welch's t-test)
total_power	0.027803 +/- 0.0949032 (stderr) (p=0.633543, Welch's t-test)
kw_hr_gpu	0.0182613 +/- 0.0491743 (stderr) (p=0.550539, Welch's t-test)
kw_hr_cpu	-0.000664446 +/- 0.0159824 (stderr) (p=0.943972, Welch's t-test)
exp_len_hours	0.0887319 +/- 0.302049 (stderr) (p=0.633707, Welch's t-test)
average_realtime_carbon_intensity	15.0919 +/- 33.1912 (stderr) (p=0.461138, Welch's t-test)

## 1.2 Cumulative Difference (Per Experiment Set)

cpu_hours	0.4855999999999998
gpu_hours	0.41226068643694713
estimated_carbon_impact_kg	0.05201294094975739
total_power	0.13901522947379397
kw_hr_gpu	0.09130655070283822
kw_hr_cpu	-0.0033222282510697726
exp_len_hours	0.44365948802894994
average_realtime_carbon_intensity	75.45946621312282