

# 1 Experiment Set Difference: Normal Convolutions (256 filters) v. Separable Convolutions (512 filters)

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

cpu_hours	-0.725571 +/- 0.0923025 (stderr) (p=0.000876368, Welch's t-test)
gpu_hours	-0.669918 +/- 0.0829244 (stderr) (p=0.000838426, Welch's t-test)
estimated_carbon_impact_kg	-0.0563819 +/- 0.0120732 (stderr) (p=0.000901398, Welch's t-test)
total_power	-0.156376 +/- 0.0385921 (stderr) (p=0.00361887, Welch's t-test)
kw_hr_gpu	-0.0935808 +/- 0.0139022 (stderr) (p=0.00142508, Welch's t-test)
kw_hr_cpu	-0.00539142 +/- 0.0148153 (stderr) (p=0.571377, Welch's t-test)
exp_len_hours	-0.67111 +/- 0.0846298 (stderr) (p=0.000886504, Welch's t-test)
average_realtime_carbon_intensity	-21.0757 +/- 38.9782 (stderr) (p=0.425616, Welch's t-test)

## 1.2 Cumulative Difference (Per Experiment Set)

cpu_hours	-1.2610777777777775
gpu_hours	-1.1869806833712149
estimated_carbon_impact_kg	-0.09075378430806458
total_power	-0.21502162450527118
kw_hr_gpu	-0.14412246252940097
kw_hr_cpu	0.008032826766571008
exp_len_hours	-1.173735374146038
average_realtime_carbon_intensity	249.81789399597938