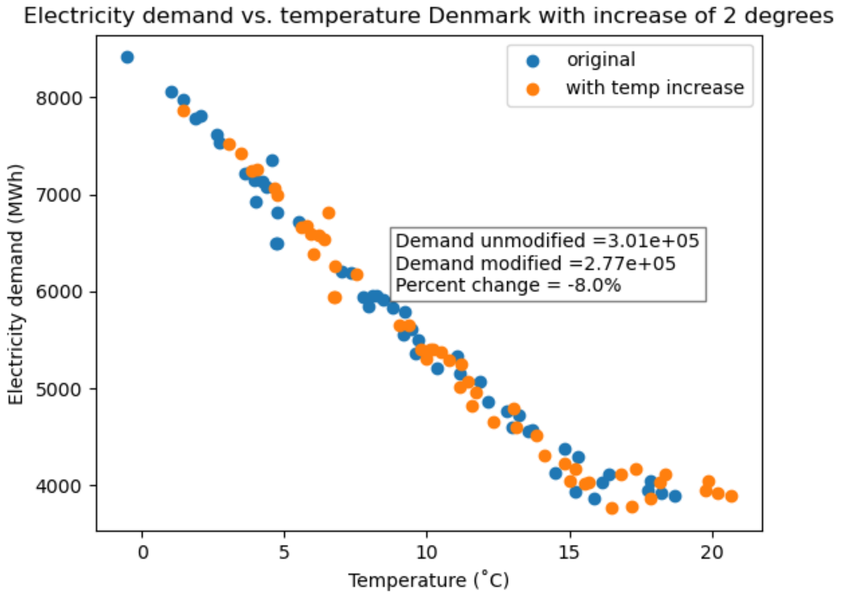
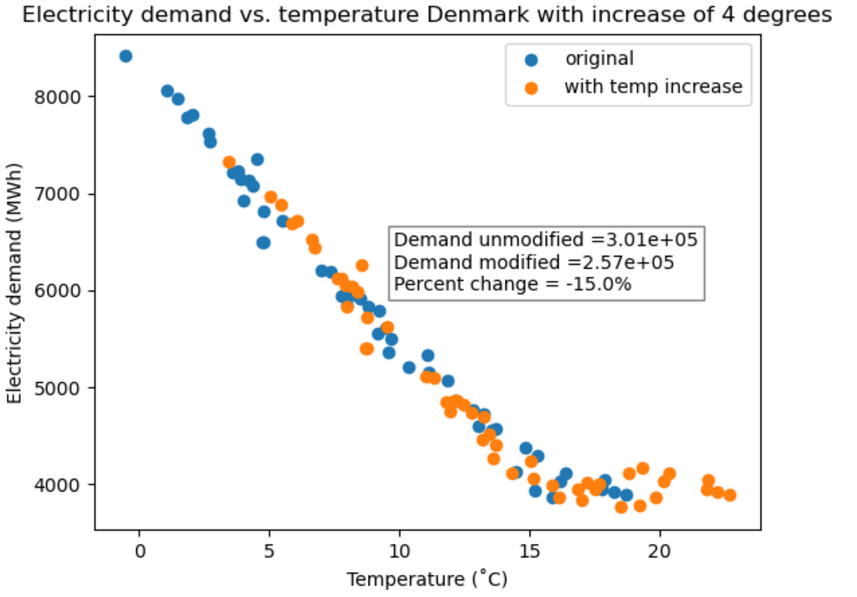
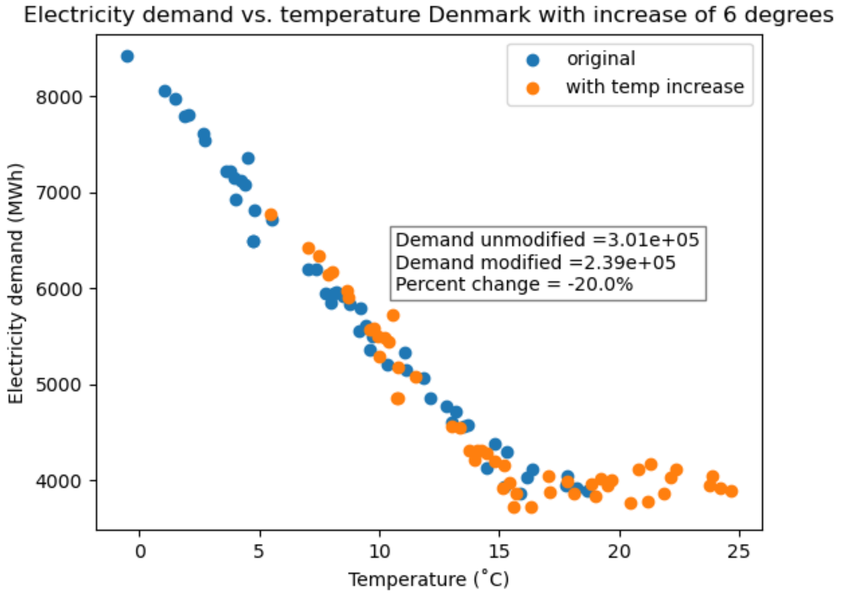
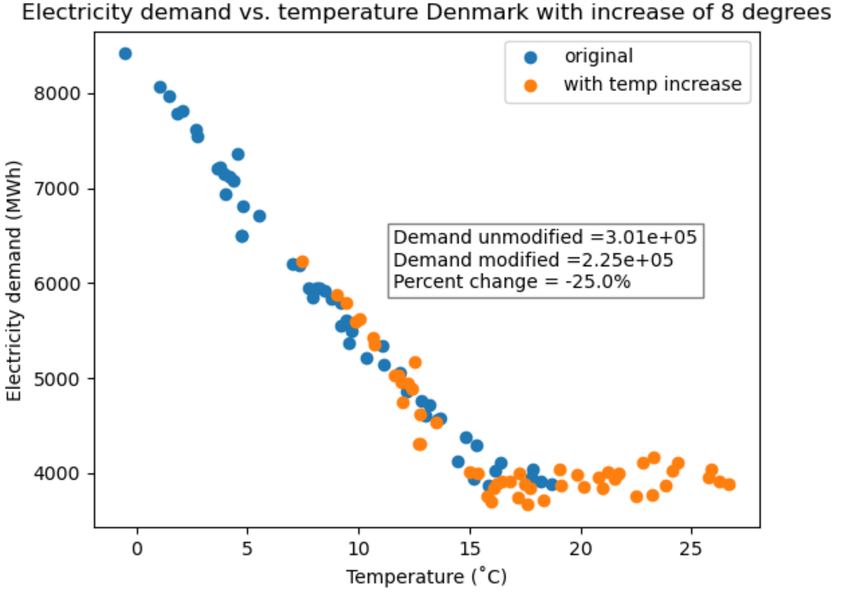
Denmark: heating to flat regime

3900 -273.655(x-15.807), corr = -0.992
1-0.07(x-15.807)



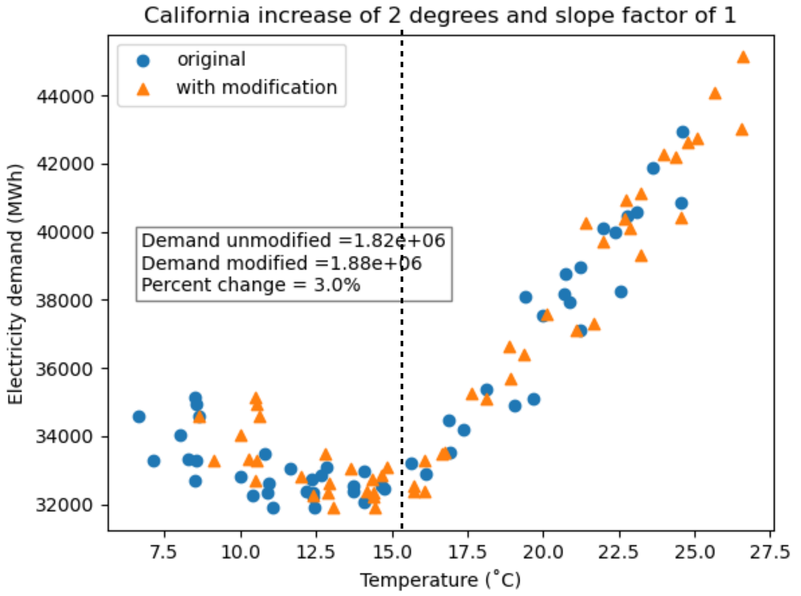


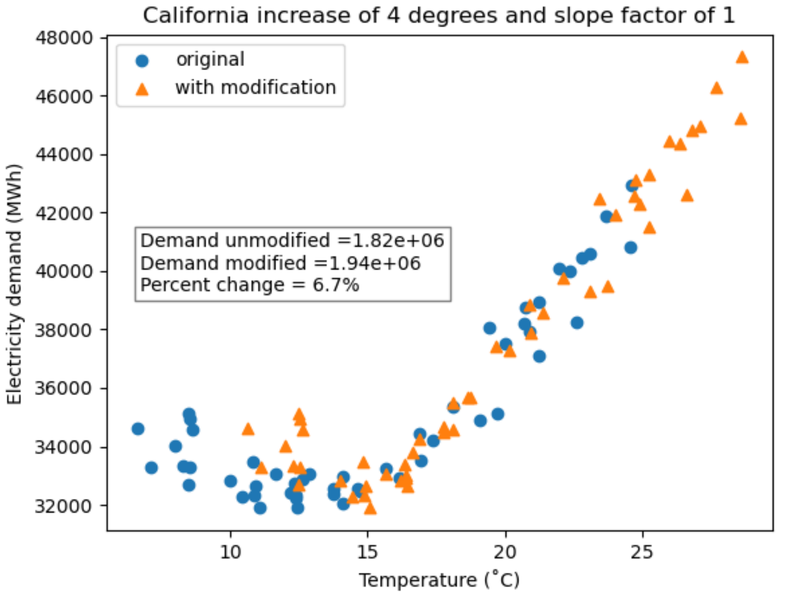


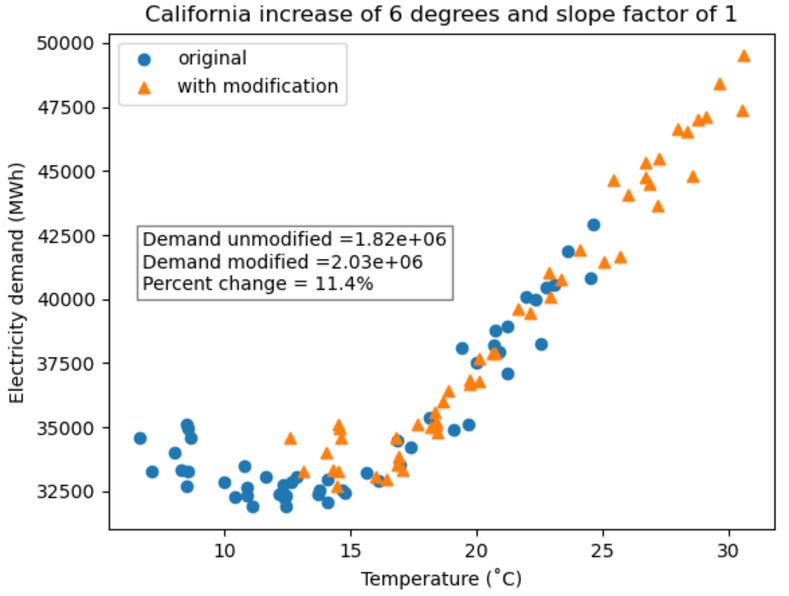


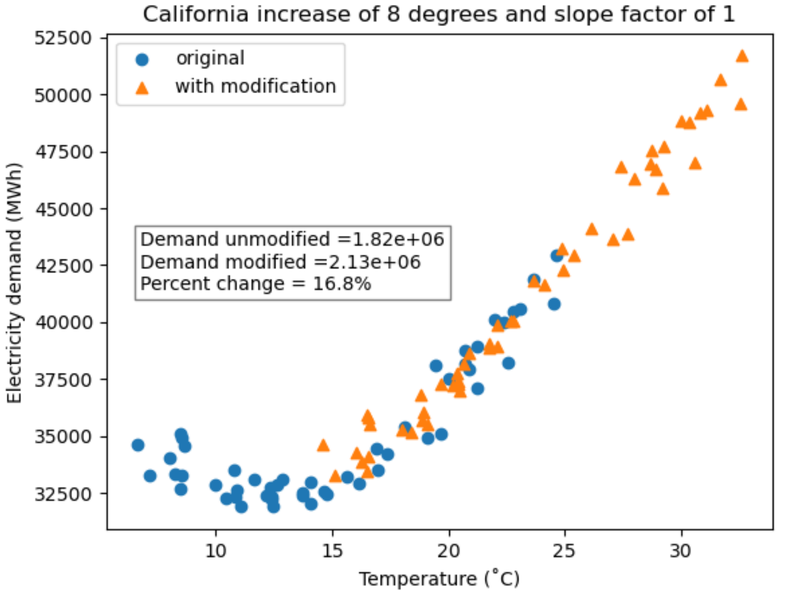
California: flat to cooling regime

32,500 + 1093.304(x -15.79), corr = 0.919
1 + 0.034(x - 15.79)

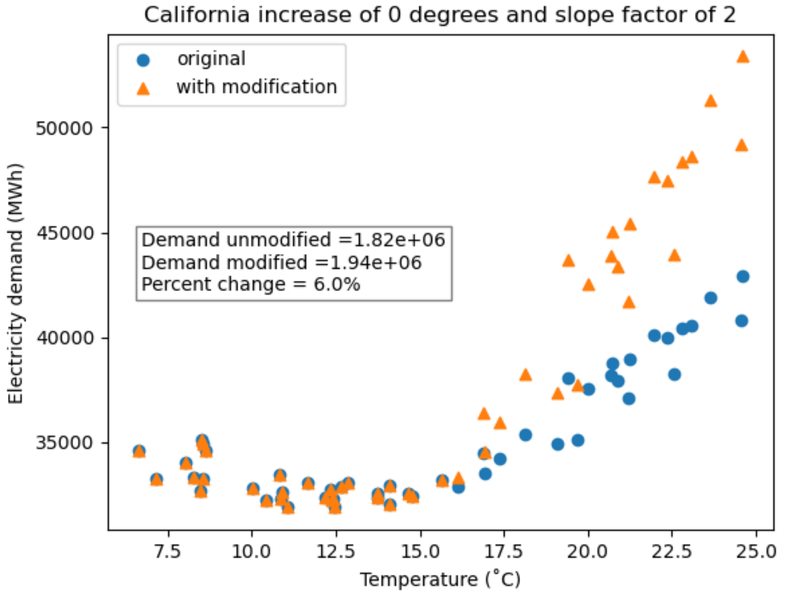


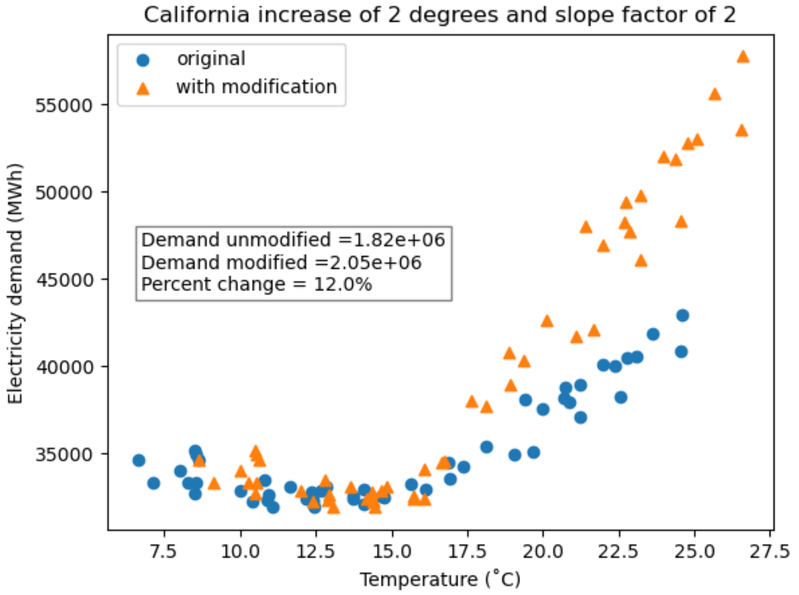


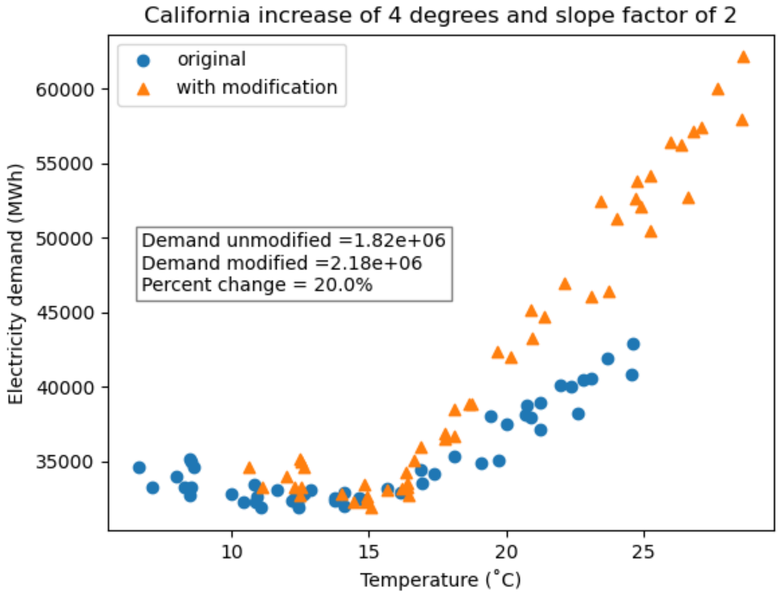


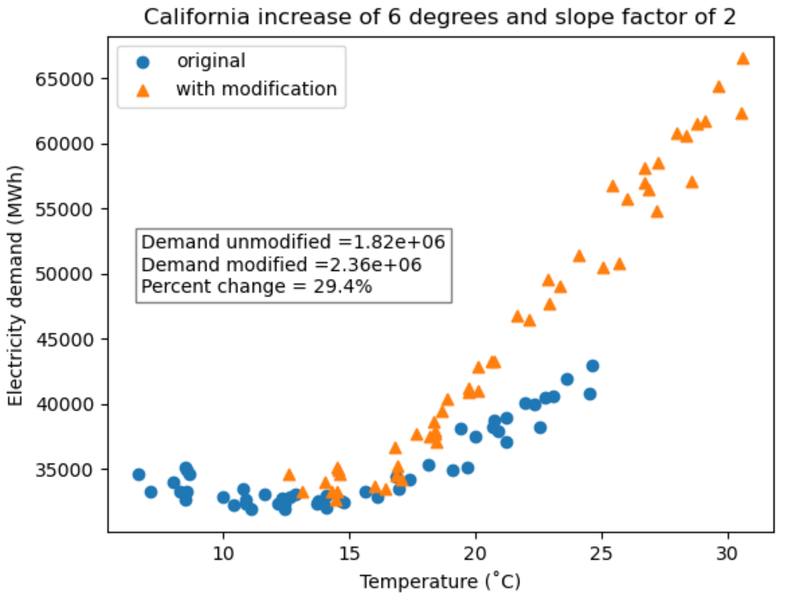


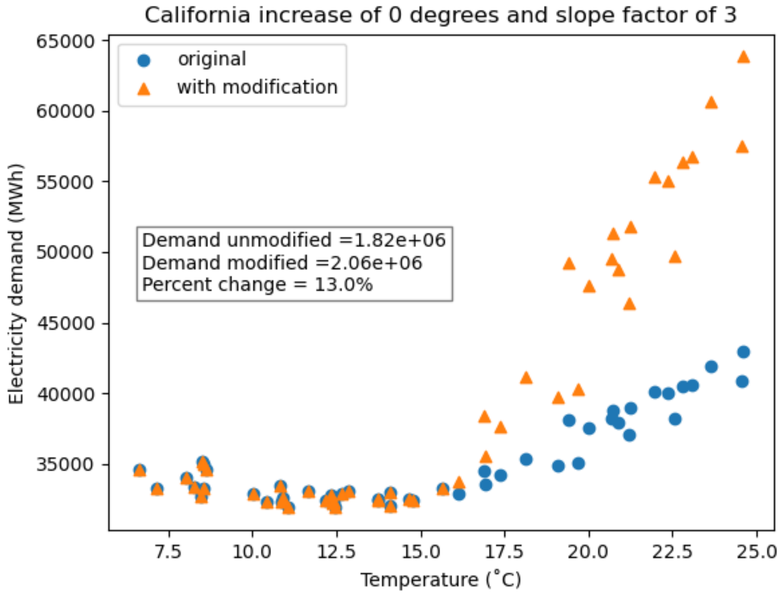
Slope increase amplifies change

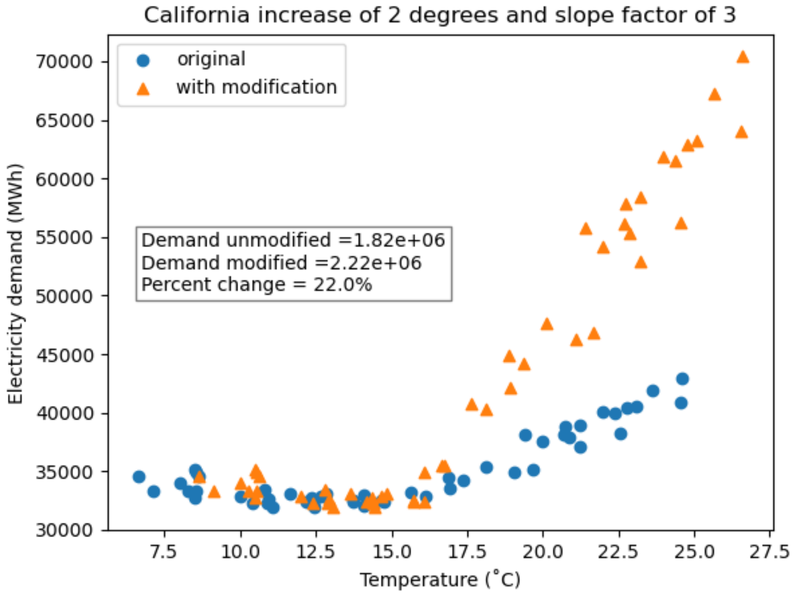


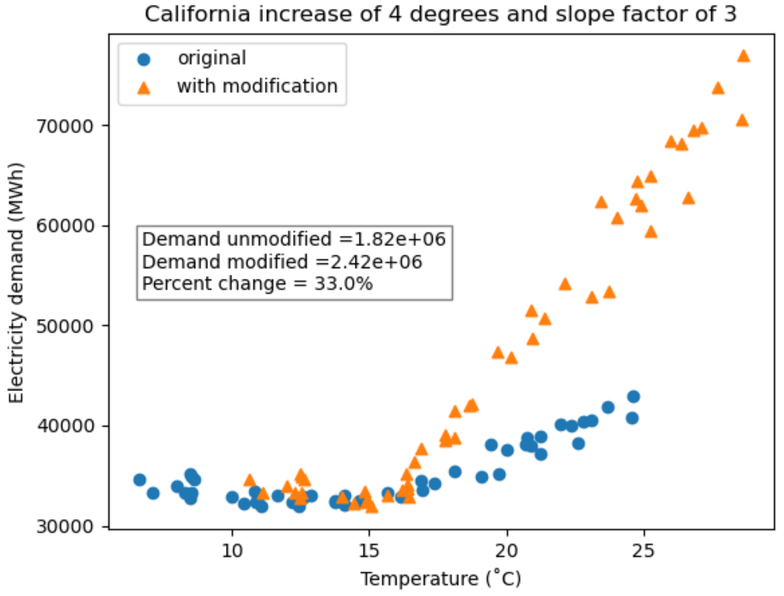


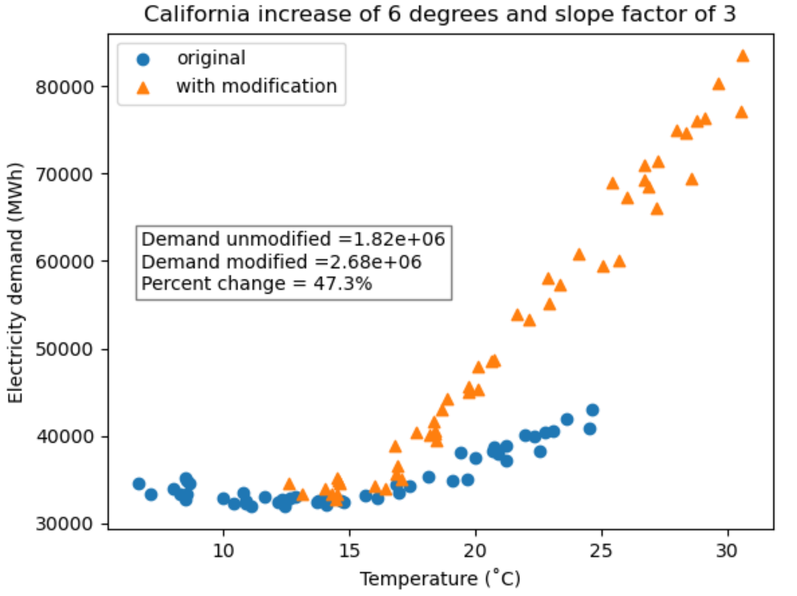





California increase of 0 degrees and slope factor of 3
original
with modification
Demand unmodified =1.82e+06
Demand modified =2.06e+06
Percent change = 13.0%
Electricity demand (MWh)
Temperature (˚C)


California increase of 2 degrees and slope factor of 3
original
with modification
Demand unmodified =1.82e+06
Demand modified =2.22e+06
Percent change = 22.0%
Electricity demand (MWh)
Temperature (˚C)

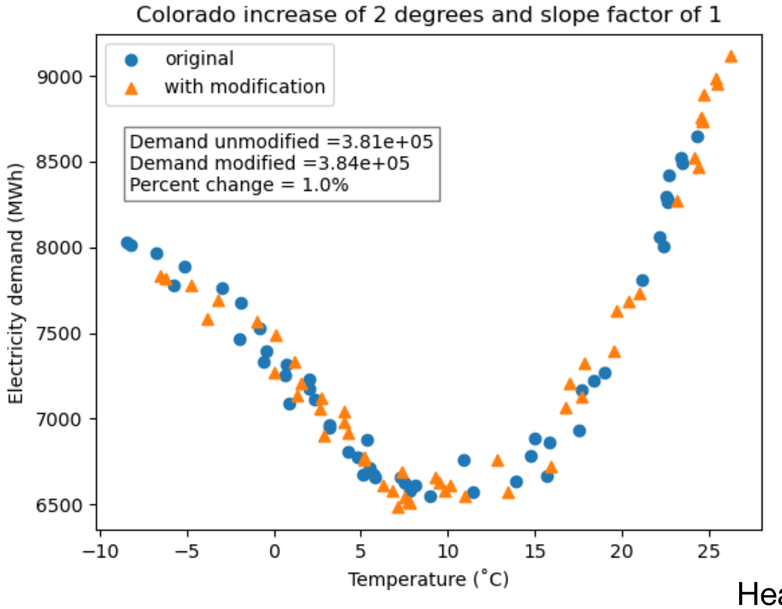

California increase of 4 degrees and slope factor of 3
original
with modification
Demand unmodified =1.82e+06
Demand modified =2.42e+06
Percent change = 33.0%
Electricity demand (MWh)
Temperature (˚C)

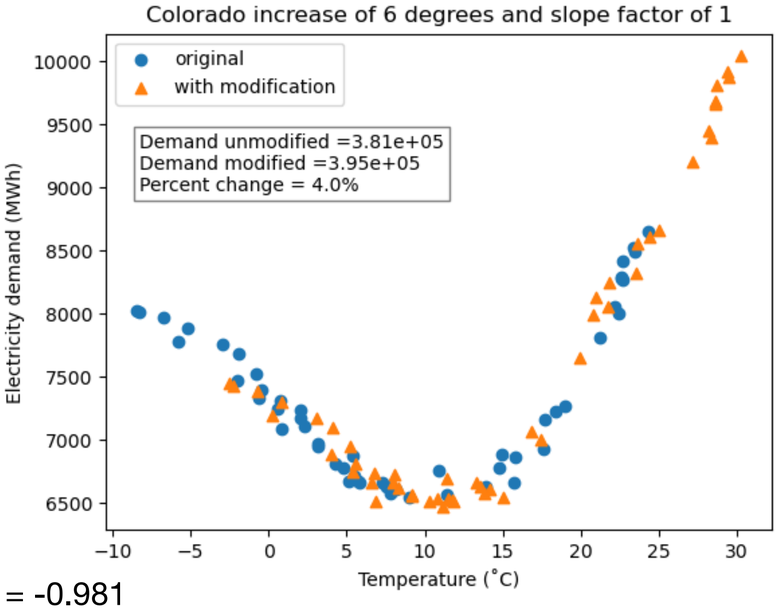

California increase of 6 degrees and slope factor of 3
original
with modification
Demand unmodified =1.82e+06
Demand modified =2.68e+06
Percent change = 47.3%
Electricity demand (MWh)
Temperature (˚C)

Colorado: heating, flat, and cooling regimes

Cooling: 6600 + 232(x-15.56), corr = 0.987

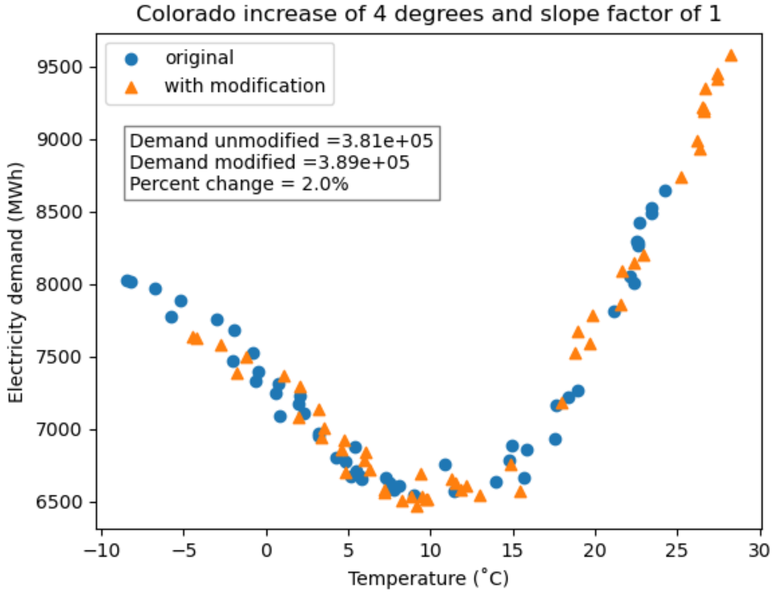
1 + 0.035(x-15.56)

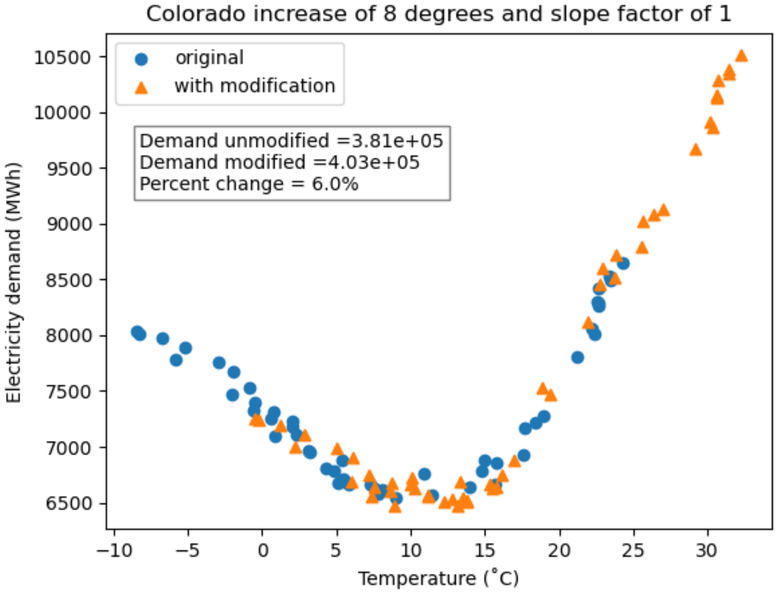


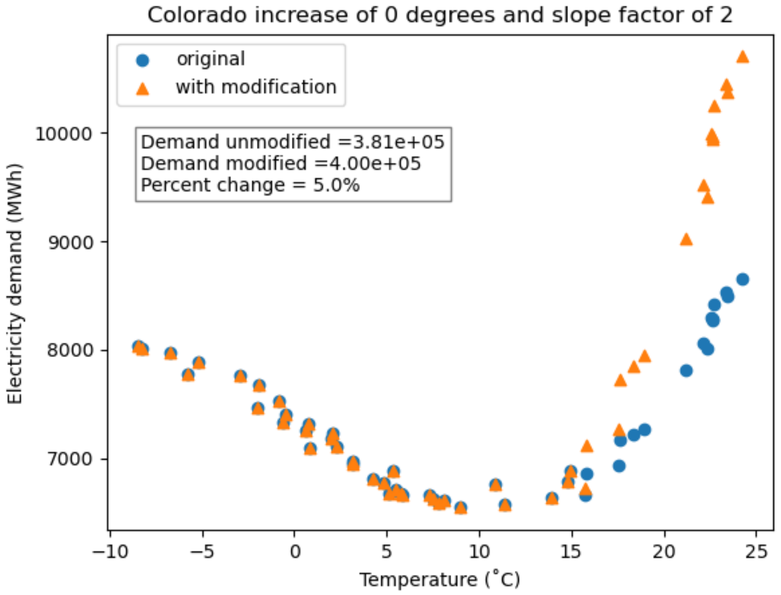


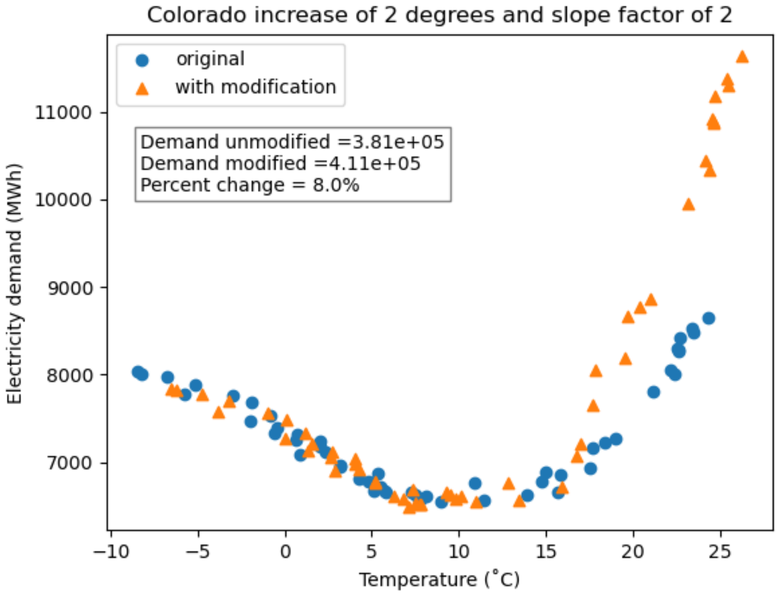
Heating: 6600 - 97.281(x-7.32), corr = -0.981

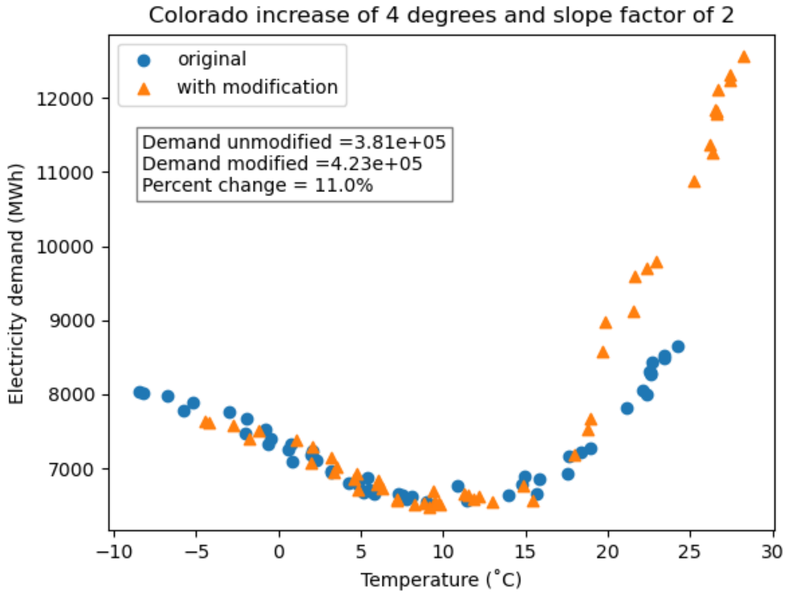
1 - 0.015(x-7.32)

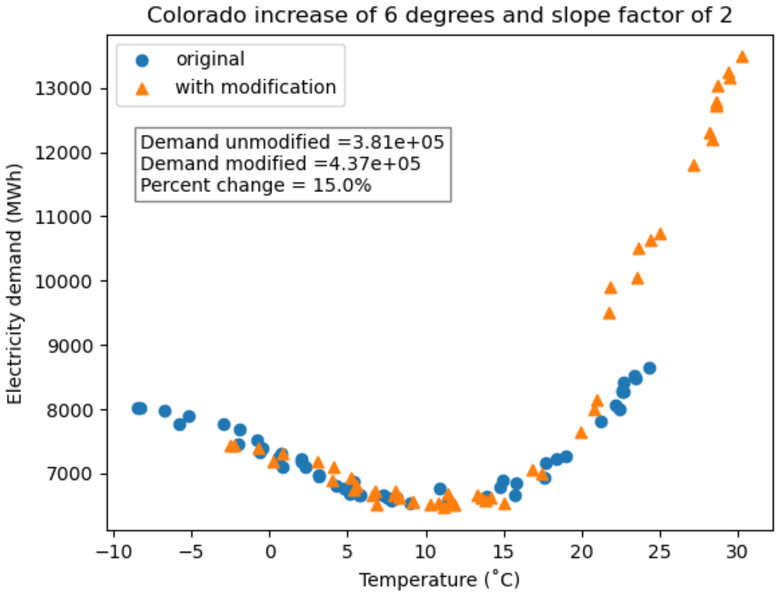


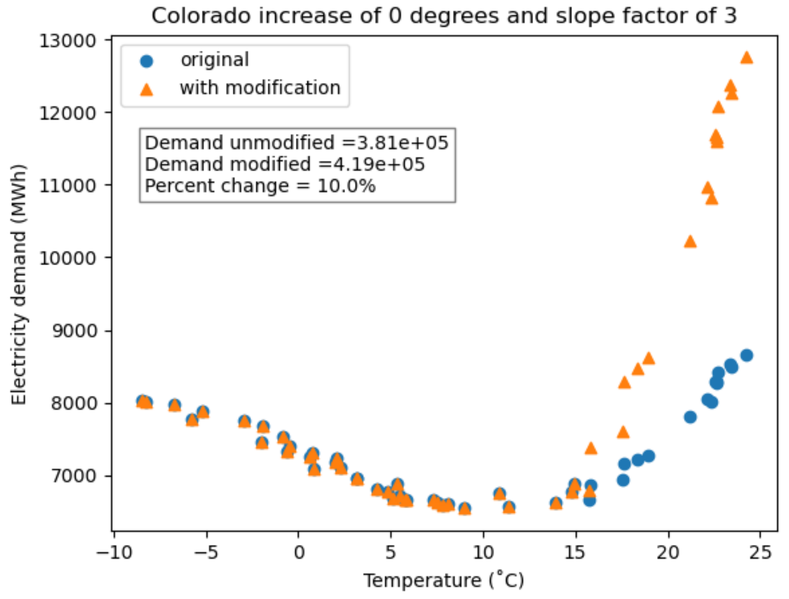


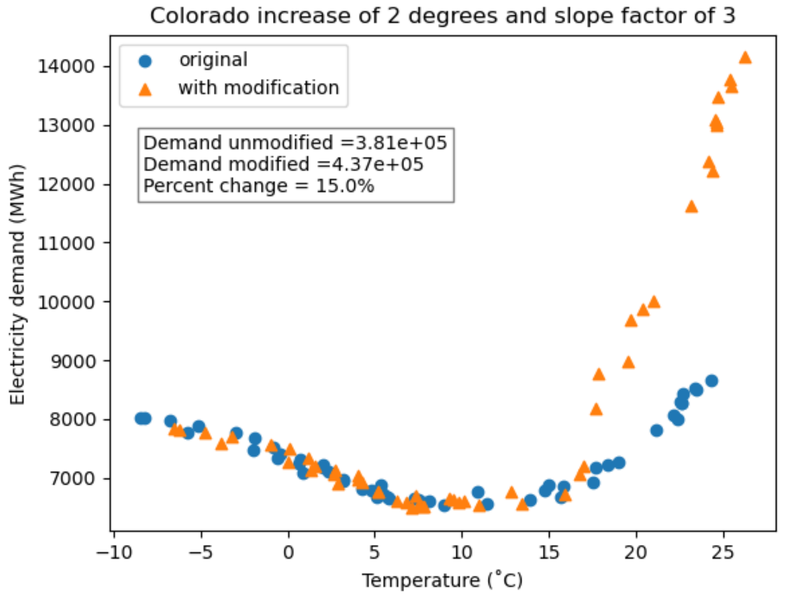

Colorado increase of 0 degrees and slope factor of 2
original
with modification
Demand unmodified =3.81e+05
Demand modified =4.00e+05
Percent change = 5.0%
Electricity demand (MWh)
Temperature (˚C)

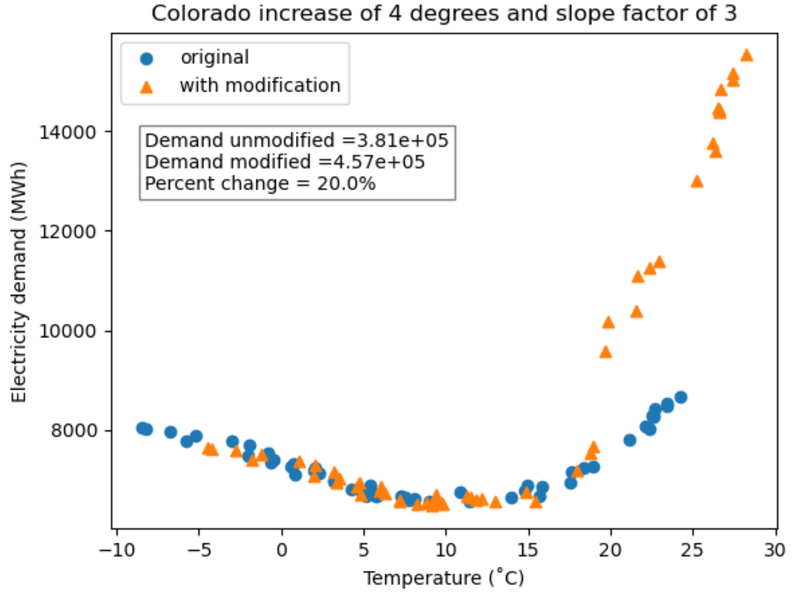

Colorado increase of 2 degrees and slope factor of 2
original
with modification
Demand unmodified =3.81e+05
Demand modified =4.11e+05
Percent change = 8.0%
Electricity demand (MWh)
Temperature (˚C)

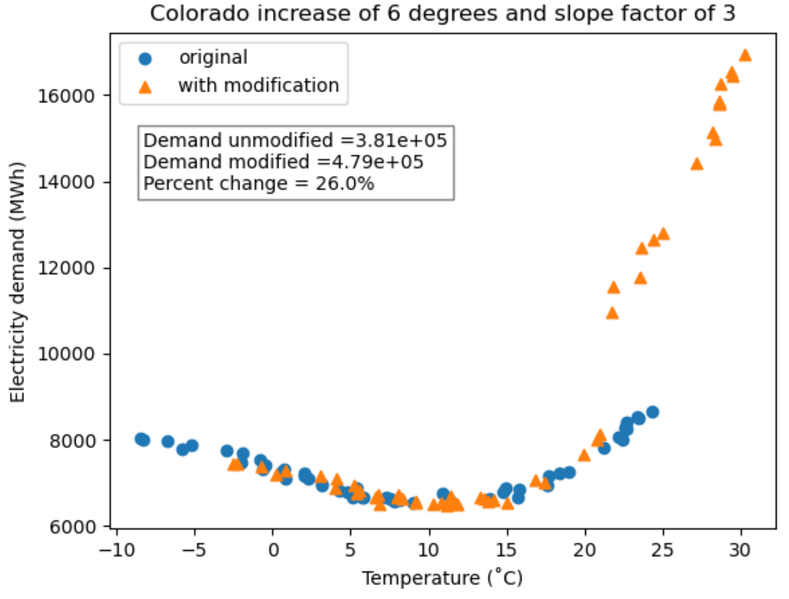

Colorado increase of 4 degrees and slope factor of 2
original
with modification
Demand unmodified =3.81e+05
Demand modified =4.23e+05
Percent change = 11.0%
Electricity demand (MWh)
Temperature (˚C)


Colorado increase of 6 degrees and slope factor of 2
original
with modification
Demand unmodified =3.81e+05
Demand modified =4.37e+05
Percent change = 15.0%
Electricity demand (MWh)
Temperature (˚C)


Colorado increase of 0 degrees and slope factor of 3
original
with modification
Demand unmodified =3.81e+05
Demand modified =4.19e+05
Percent change = 10.0%
Electricity demand (MWh)
Temperature (˚C)

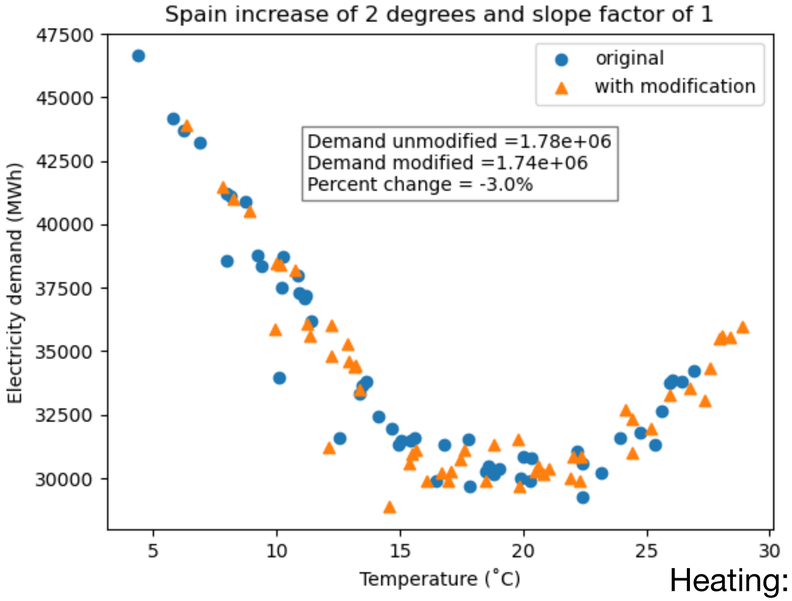

Colorado increase of 2 degrees and slope factor of 3
original
with modification
Demand unmodified =3.81e+05
Demand modified =4.37e+05
Percent change = 15.0%
Electricity demand (MWh)
Temperature (˚C)

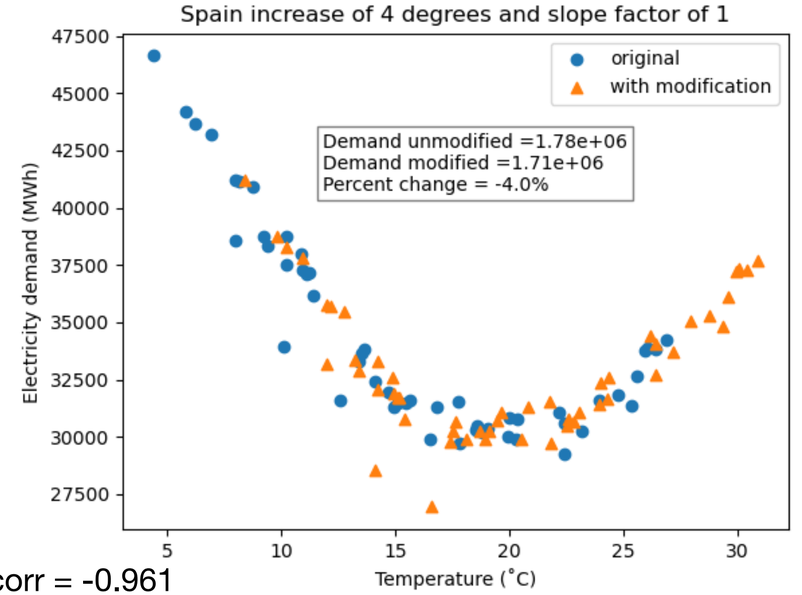

Colorado increase of 4 degrees and slope factor of 3
original
with modification
Demand unmodified =3.81e+05
Demand modified =4.57e+05
Percent change = 20.0%
Electricity demand (MWh)
Temperature (˚C)


Colorado increase of 6 degrees and slope factor of 3
original
with modification
Demand unmodified =3.81e+05
Demand modified =4.79e+05
Percent change = 26.0%
Electricity demand (MWh)
Temperature (˚C)

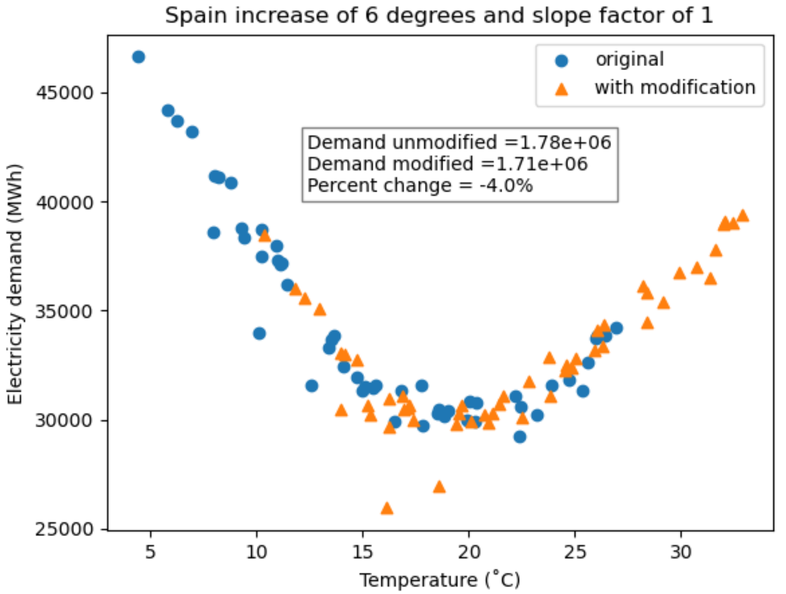
Spain: heating, flat, and cooling regimes

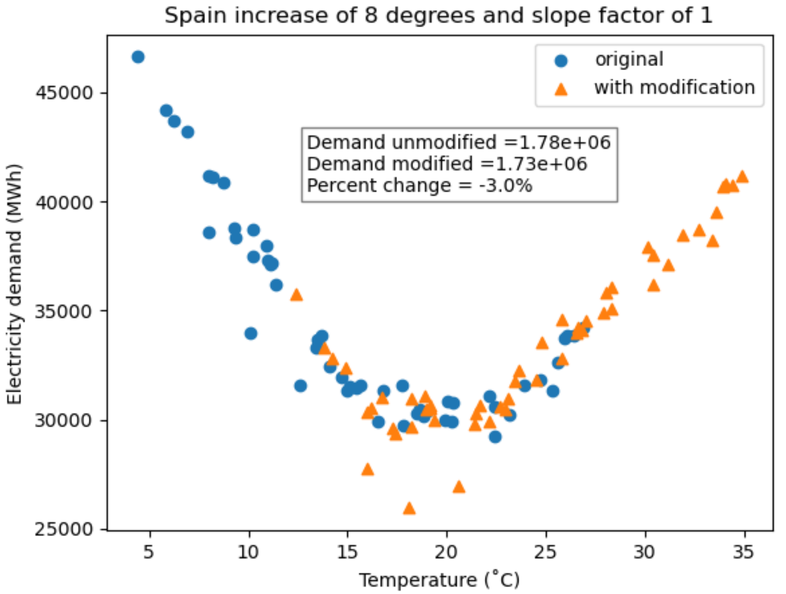
Cooling: 30,000 + 865.217(x - 22.267), corr = 0.905
1 + 0.029(x-22.267)

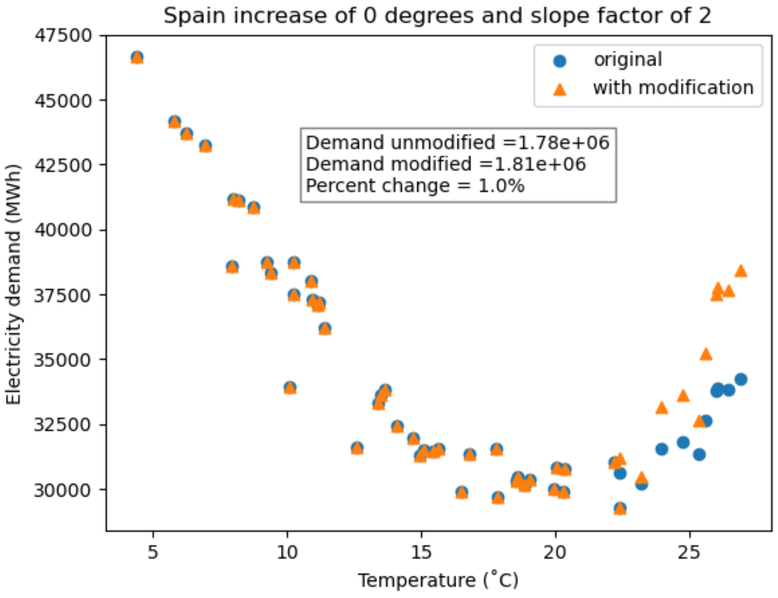


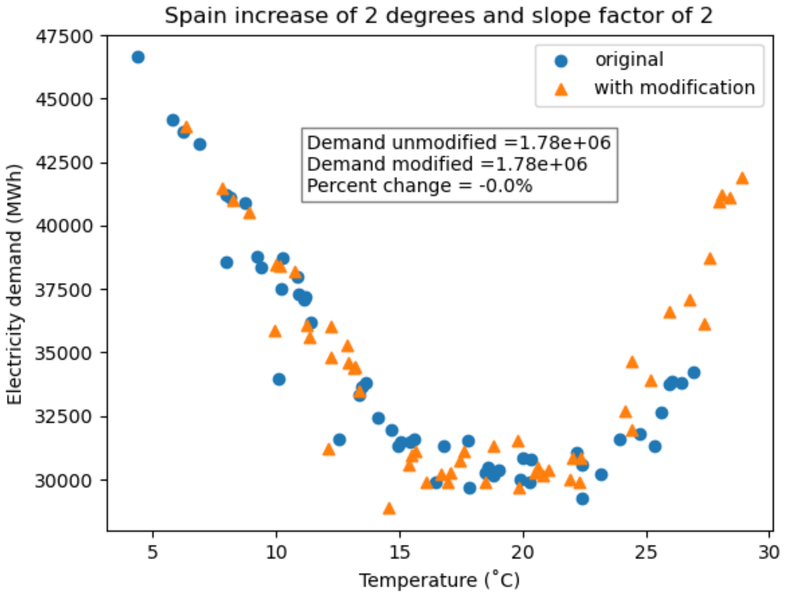


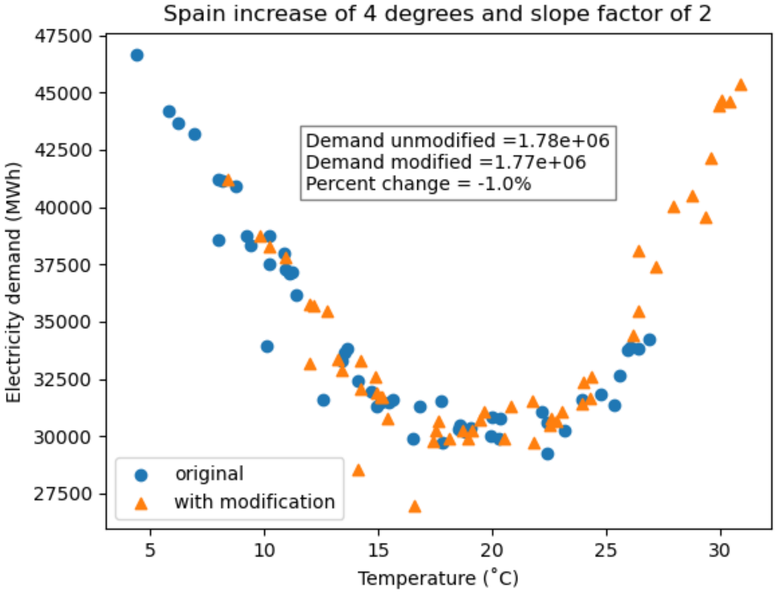
Heating: 30,000 -1356.544(x - 16), corr = -0.961
1-0.045(x-16)

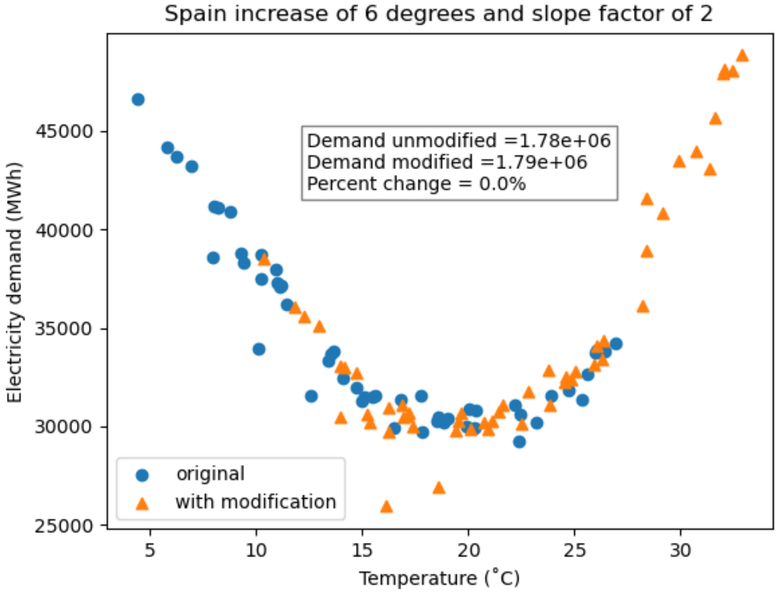


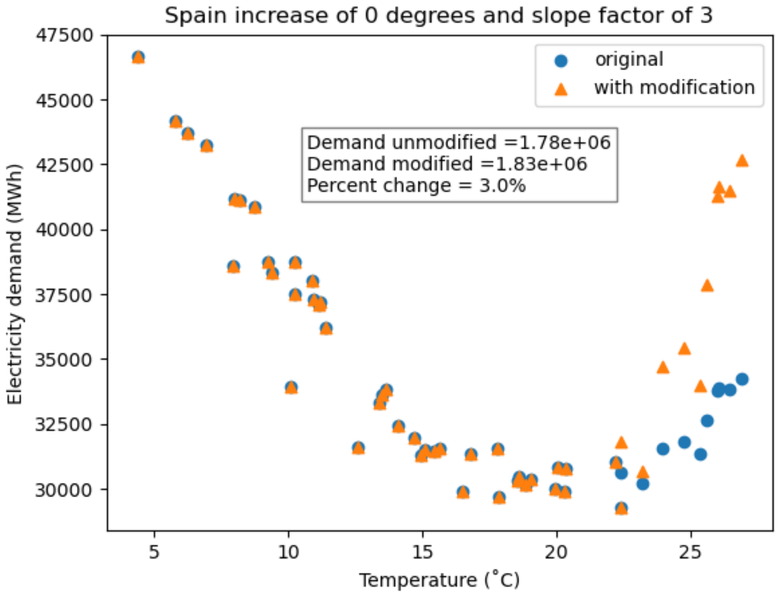


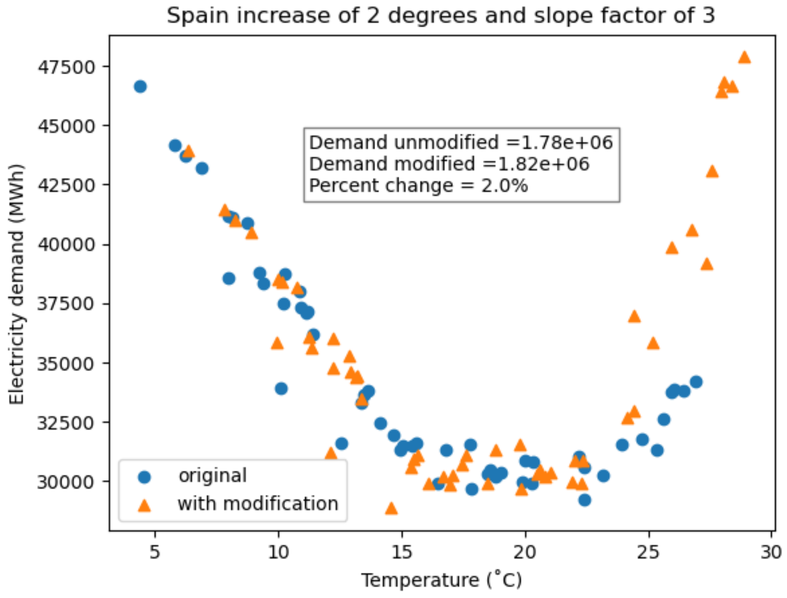

Spain increase of 0 degrees and slope factor of 2
original
with modification
Demand unmodified =1.78e+06
Demand modified =1.81e+06
Percent change = 1.0%
Electricity demand (MWh)
Temperature (˚C)

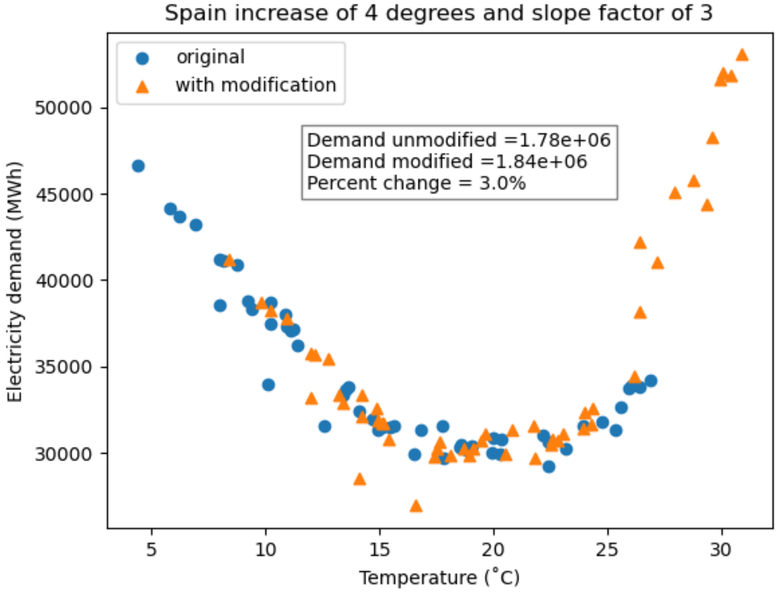

Spain increase of 2 degrees and slope factor of 2
original
with modification
Demand unmodified =1.78e+06
Demand modified =1.78e+06
Percent change = -0.0%
Electricity demand (MWh)
Temperature (˚C)

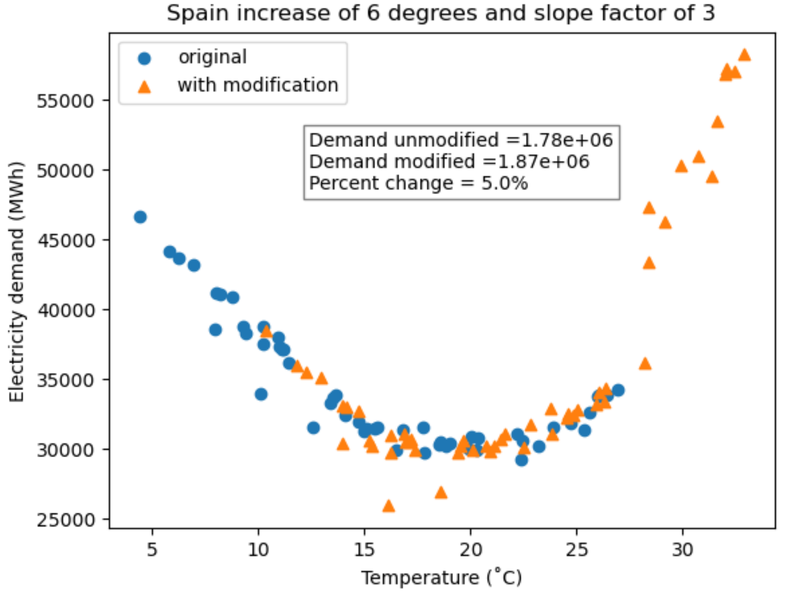

Spain increase of 4 degrees and slope factor of 2
Demand unmodified =1.78e+06
Demand modified =1.77e+06
Percent change = -1.0%
original
with modification
Electricity demand (MWh)
Temperature (˚C)


Spain increase of 6 degrees and slope factor of 2
Demand unmodified =1.78e+06
Demand modified =1.79e+06
Percent change = 0.0%
original
with modification
Electricity demand (MWh)
Temperature (˚C)


Spain increase of 0 degrees and slope factor of 3
original
with modification
Demand unmodified =1.78e+06
Demand modified =1.83e+06
Percent change = 3.0%
Electricity demand (MWh)
Temperature (˚C)


Spain increase of 2 degrees and slope factor of 3
Demand unmodified =1.78e+06
Demand modified =1.82e+06
Percent change = 2.0%
original
with modification
Electricity demand (MWh)
Temperature (˚C)


Spain increase of 4 degrees and slope factor of 3
original
with modification
Demand unmodified =1.78e+06
Demand modified =1.84e+06
Percent change = 3.0%
Electricity demand (MWh)
Temperature (˚C)


Spain increase of 6 degrees and slope factor of 3
original
with modification
Demand unmodified =1.78e+06
Demand modified =1.87e+06
Percent change = 5.0%
Electricity demand (MWh)
Temperature (˚C)