

Podatkovna analitika v pametnih omrežjih

Miha Grabner, mag. Andrej Souvent

Elektroinštitut Milan Vidmar

Ljubljana, 2018

Analiza odjema



Analiza odjema



Pametni števci



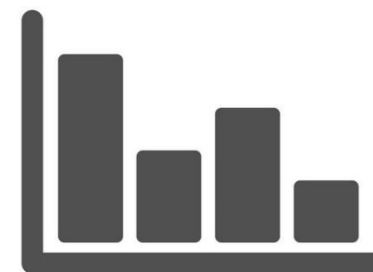
Analiza odjema



Pametni števci



Verjetnostne analize

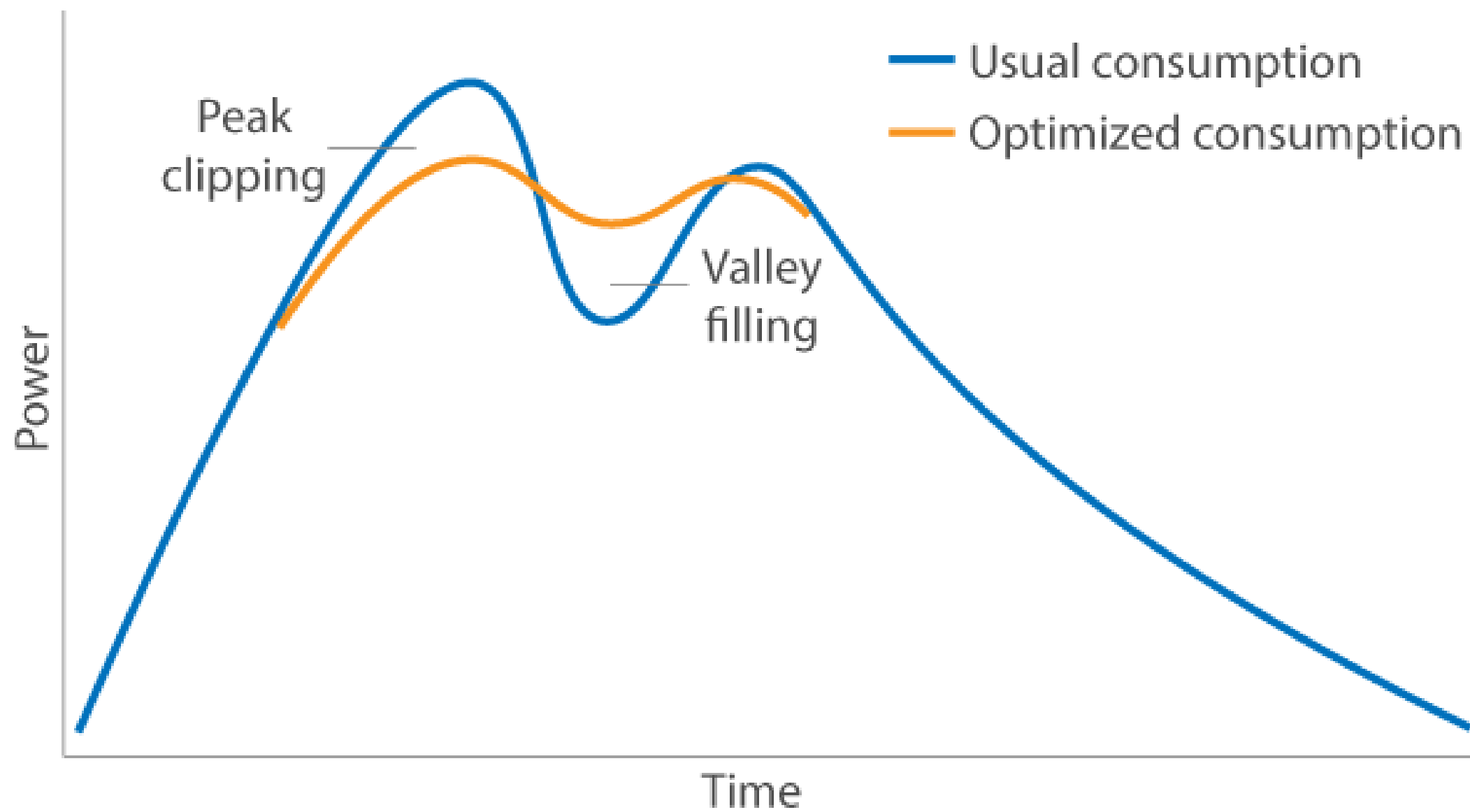


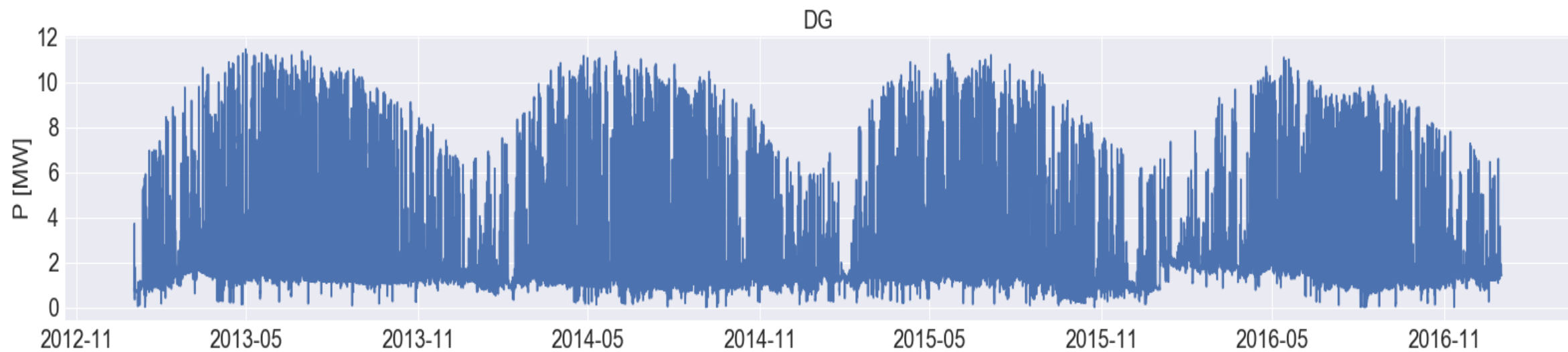
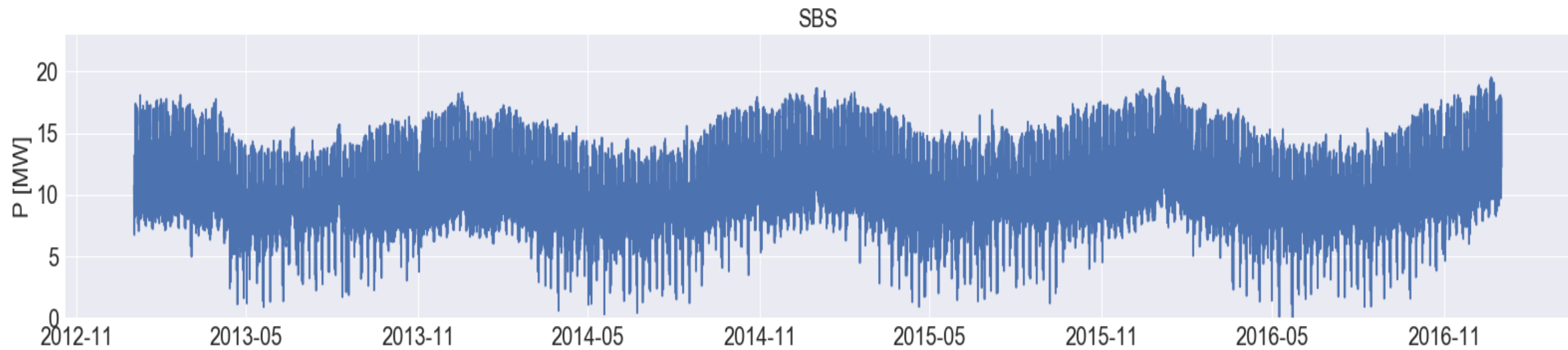


PREMAKNI PORABO

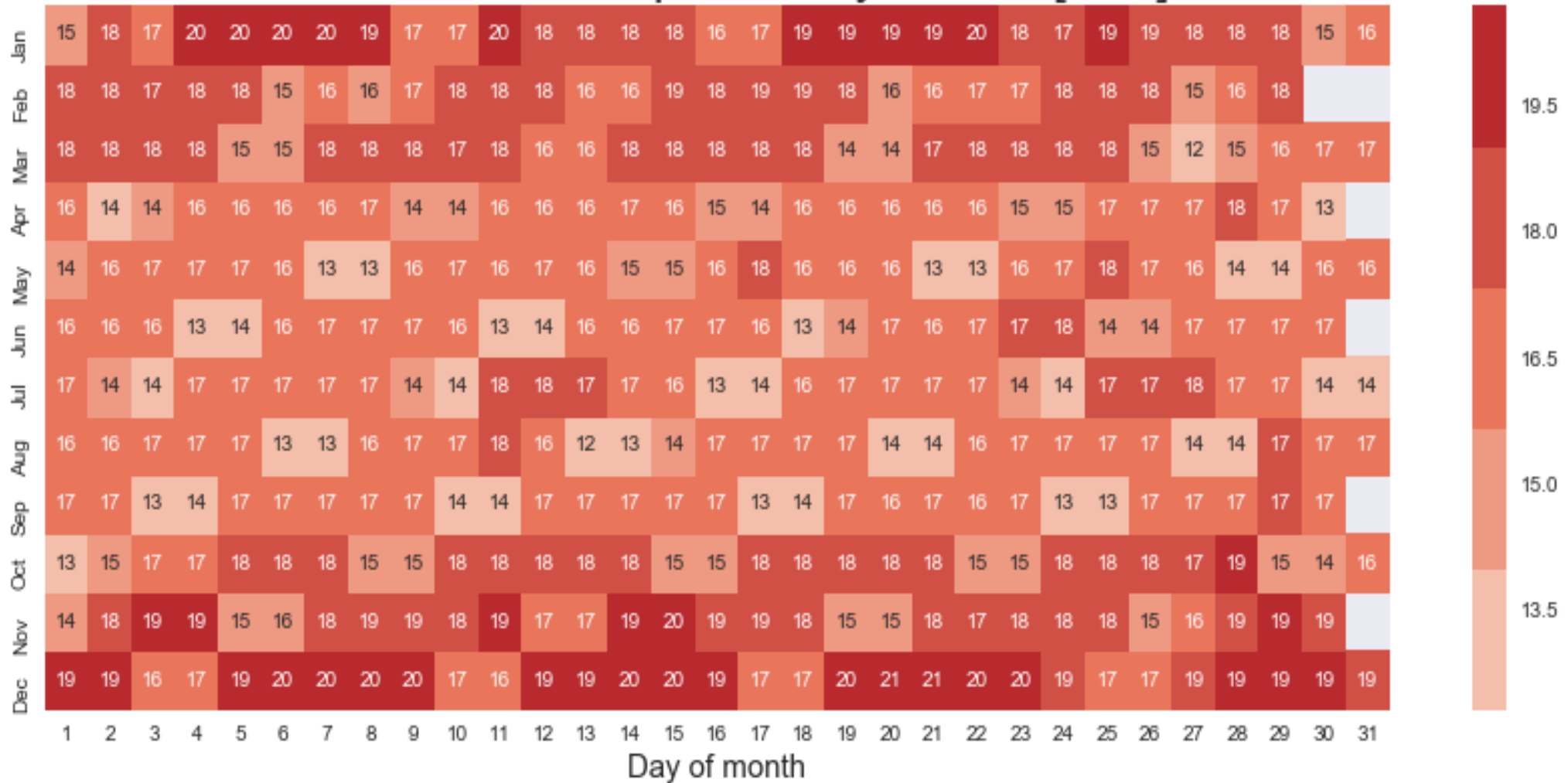
Bodi aktiven in prihrani!



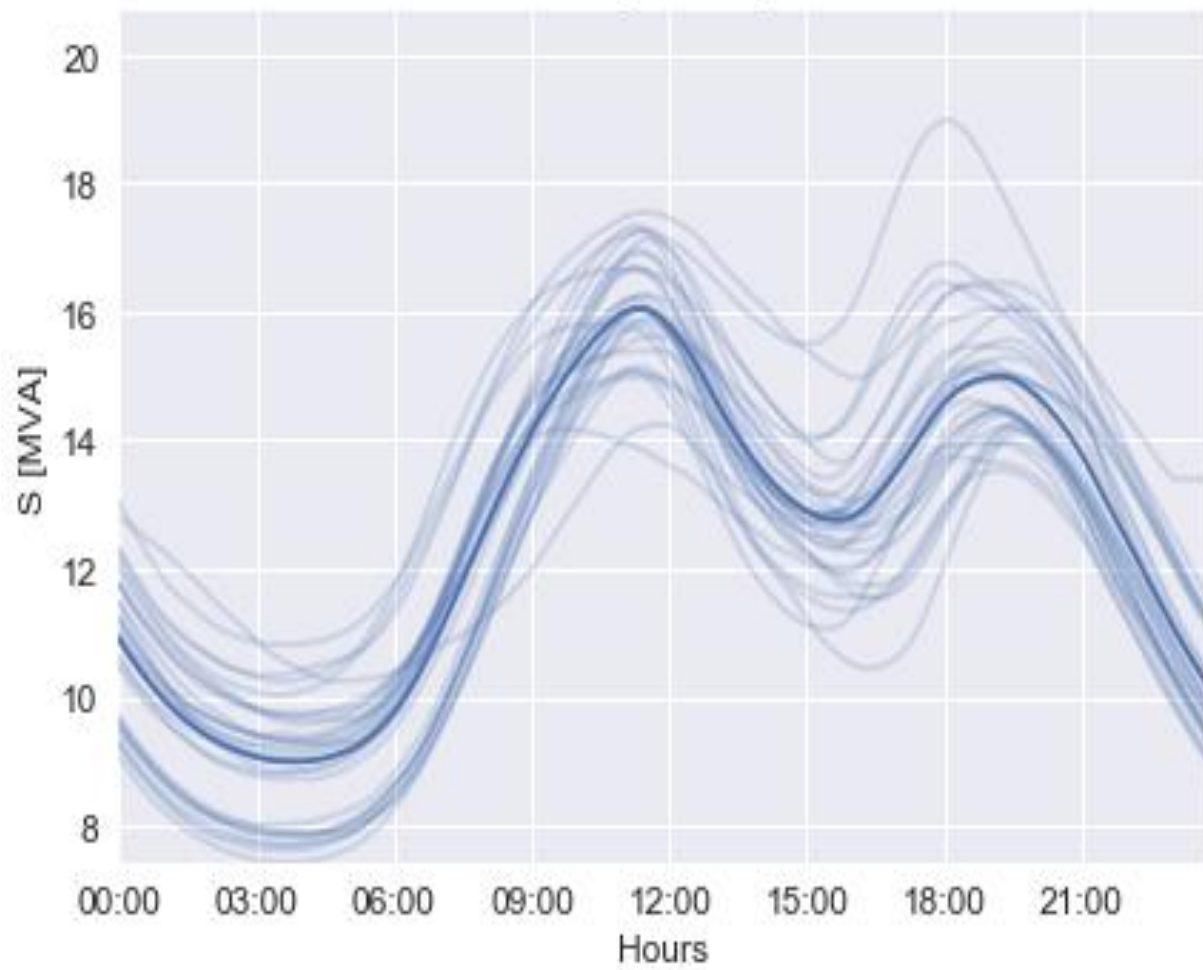




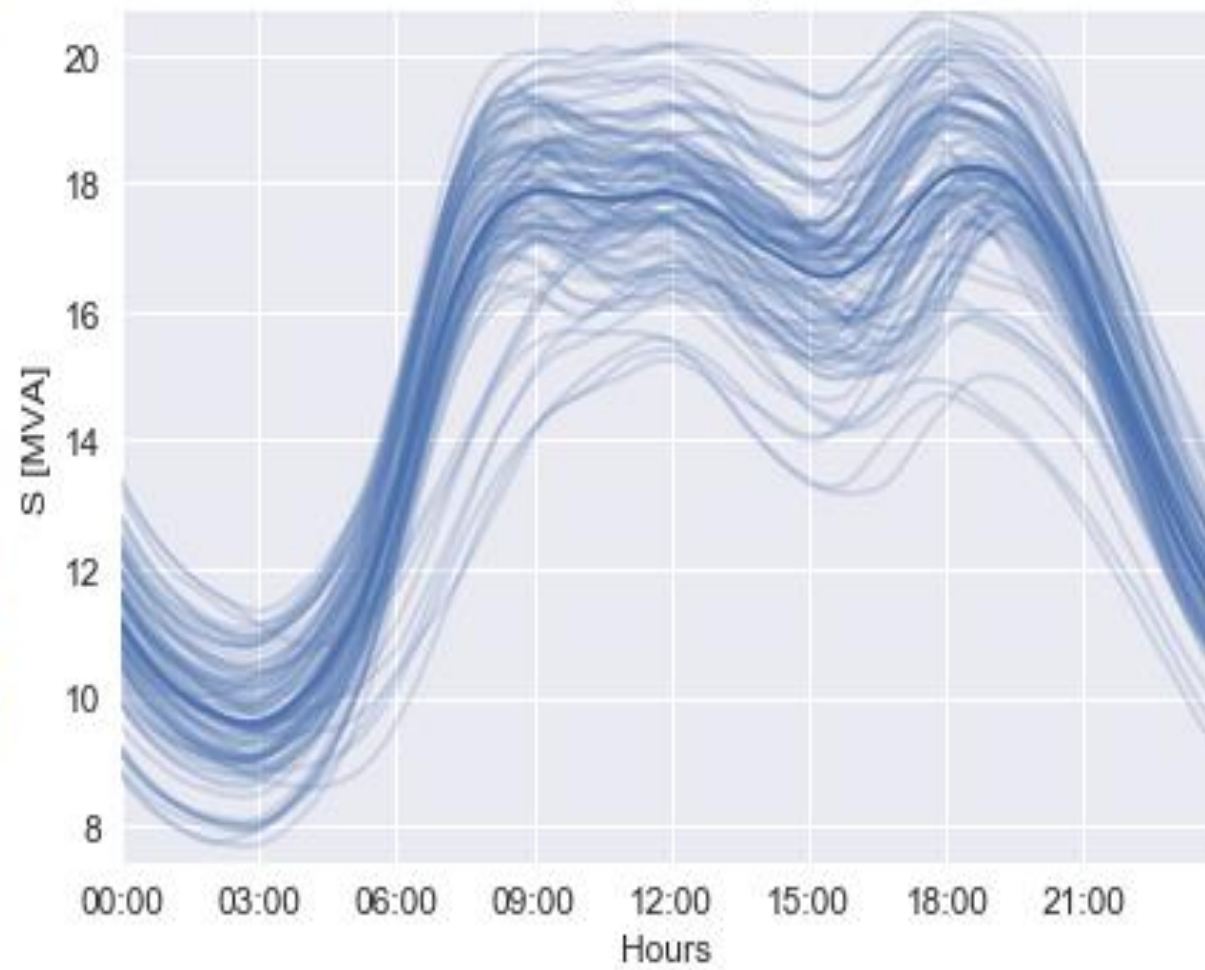
2016: SBS + DG peak daily values [MW]



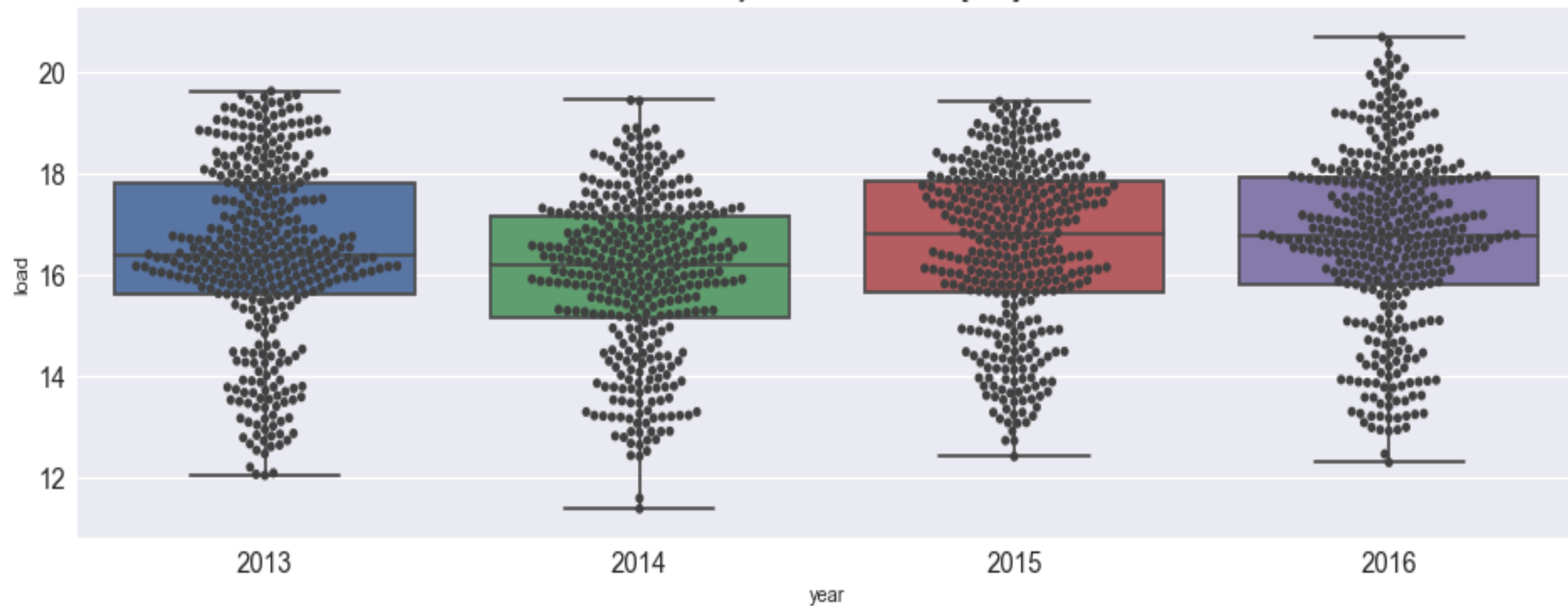
C0 [23.77 %]



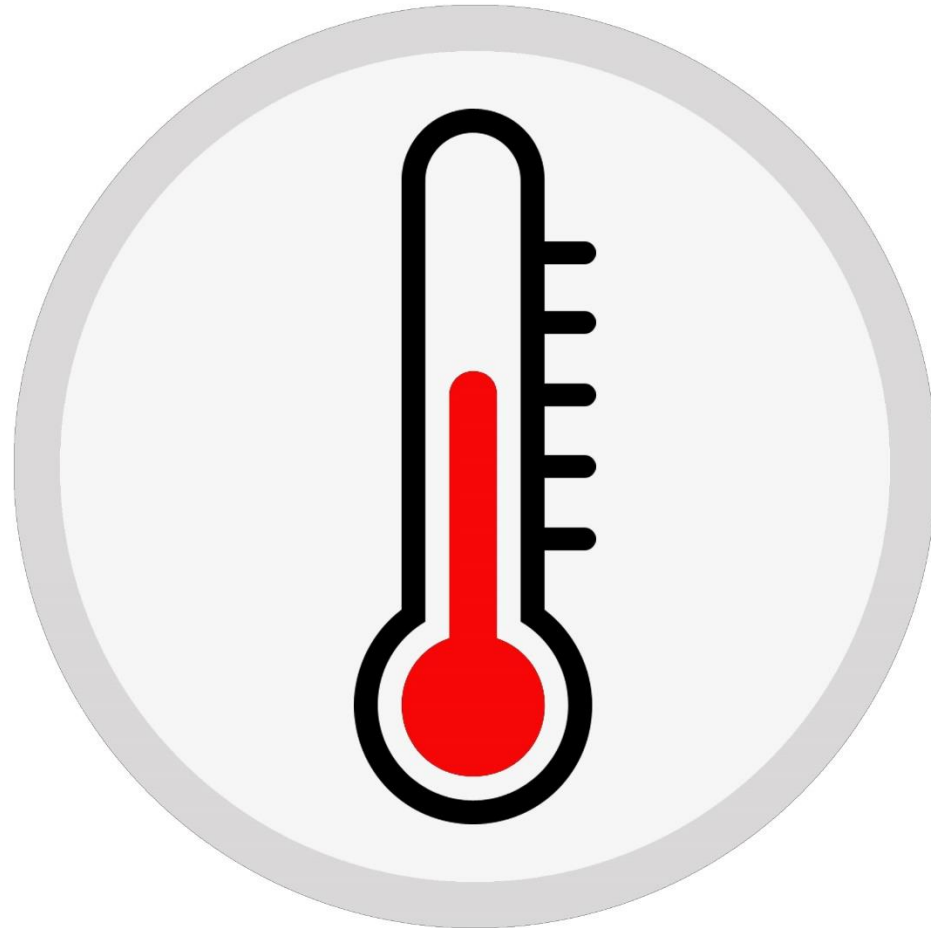
C1 [76.23 %]

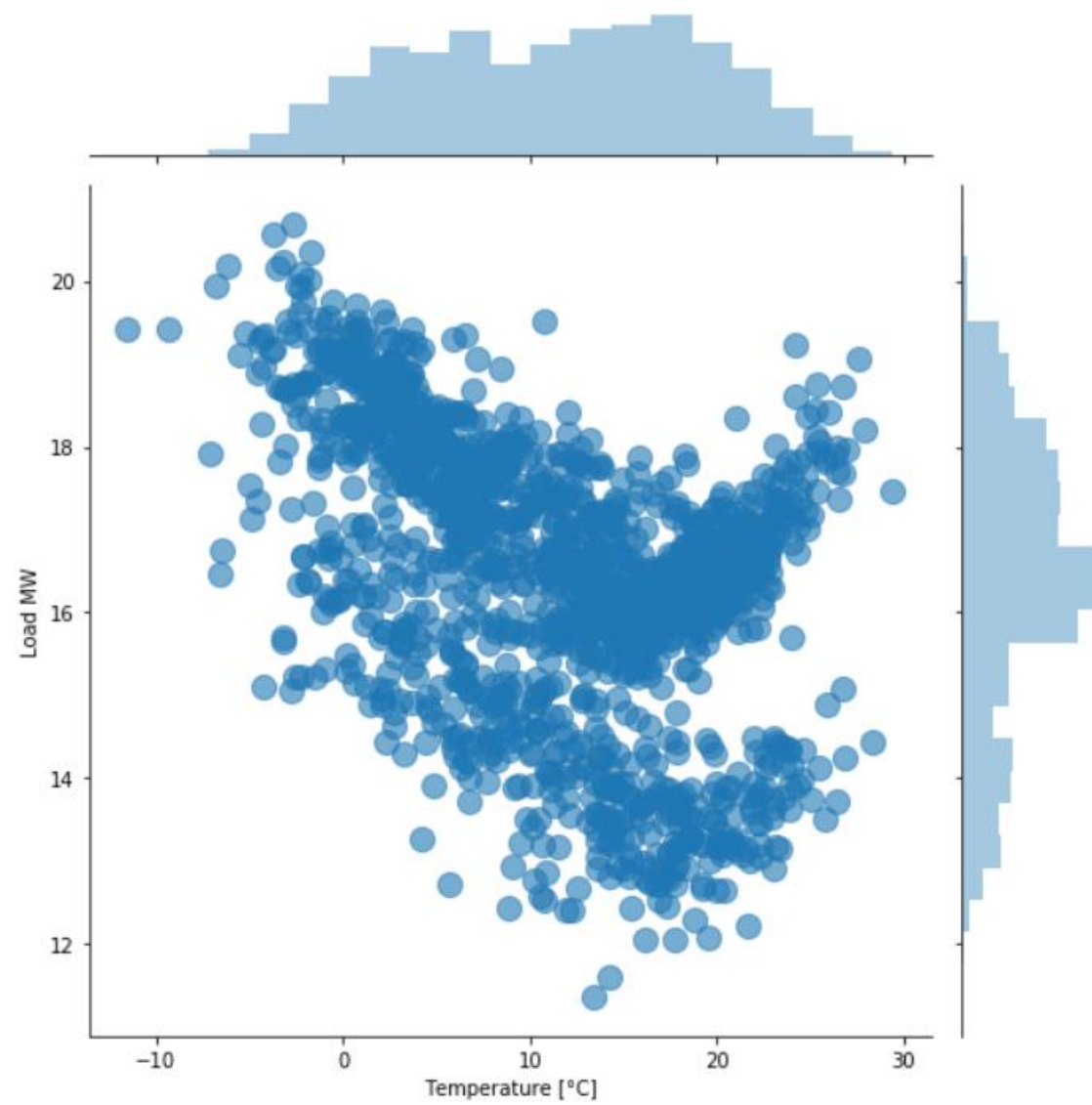


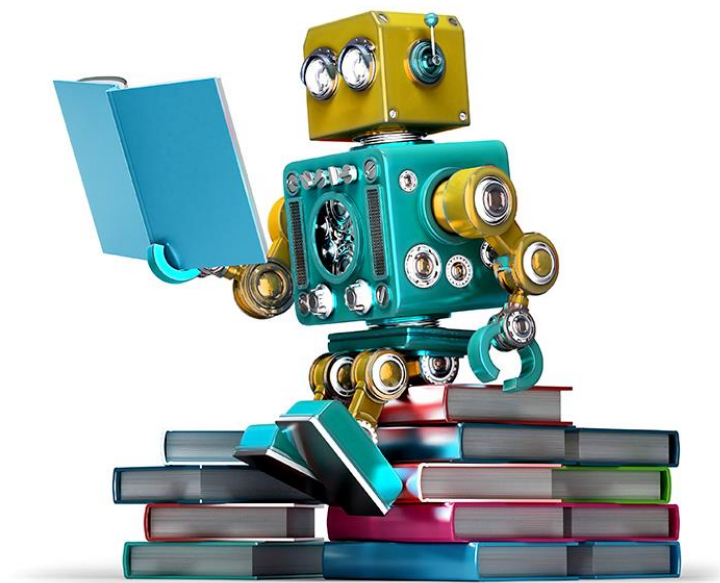
Peak daily SBS + DG values [MW]

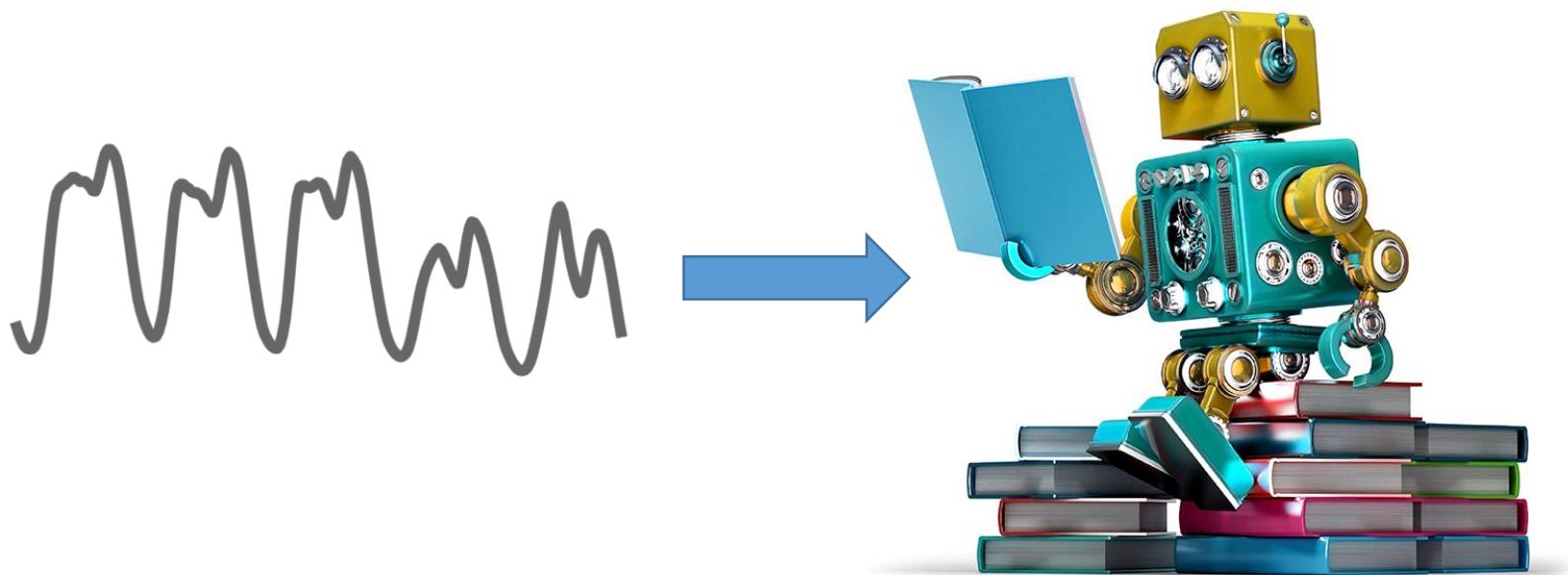


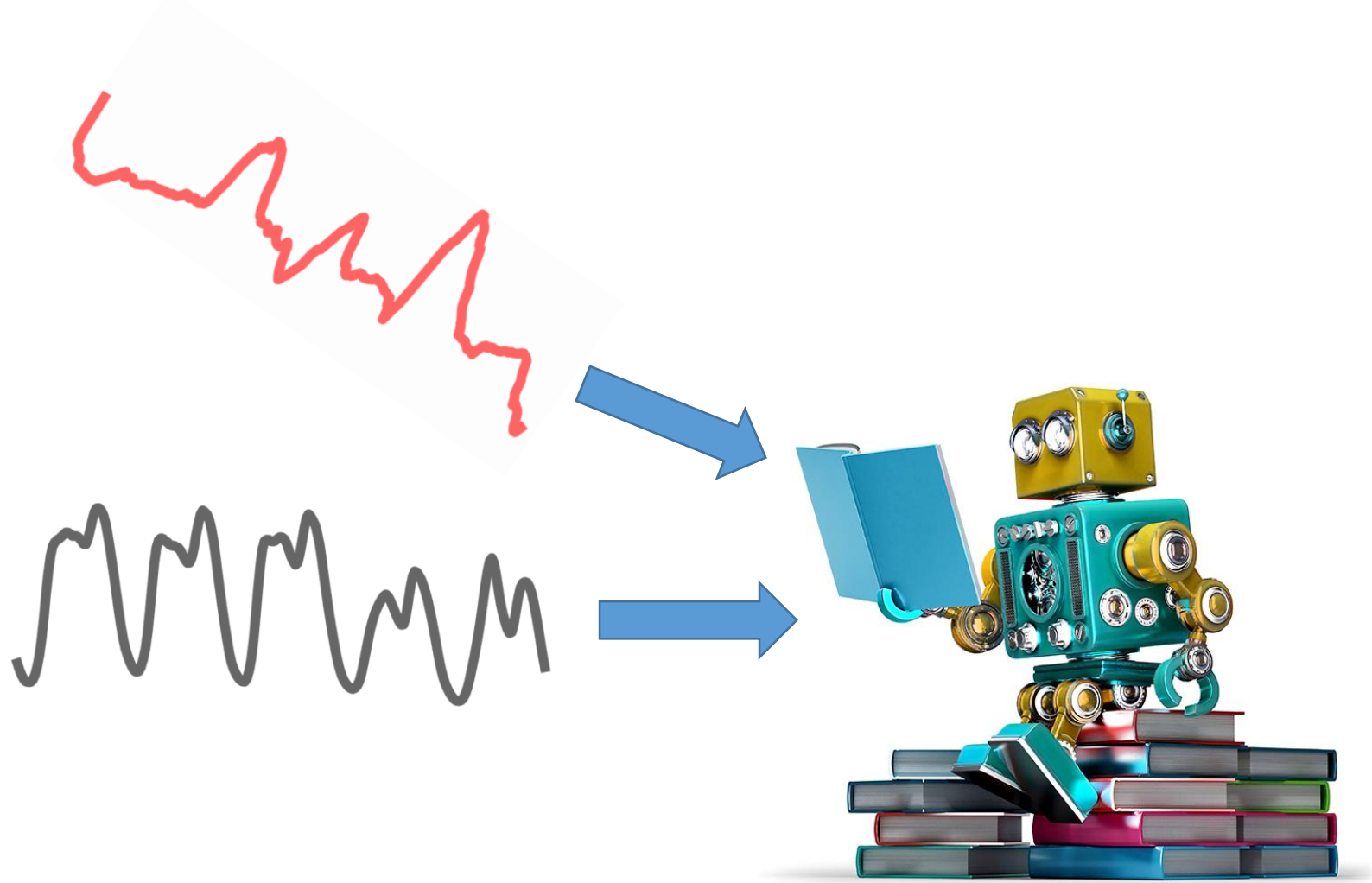
Odvisnost obremenitev od temperatur

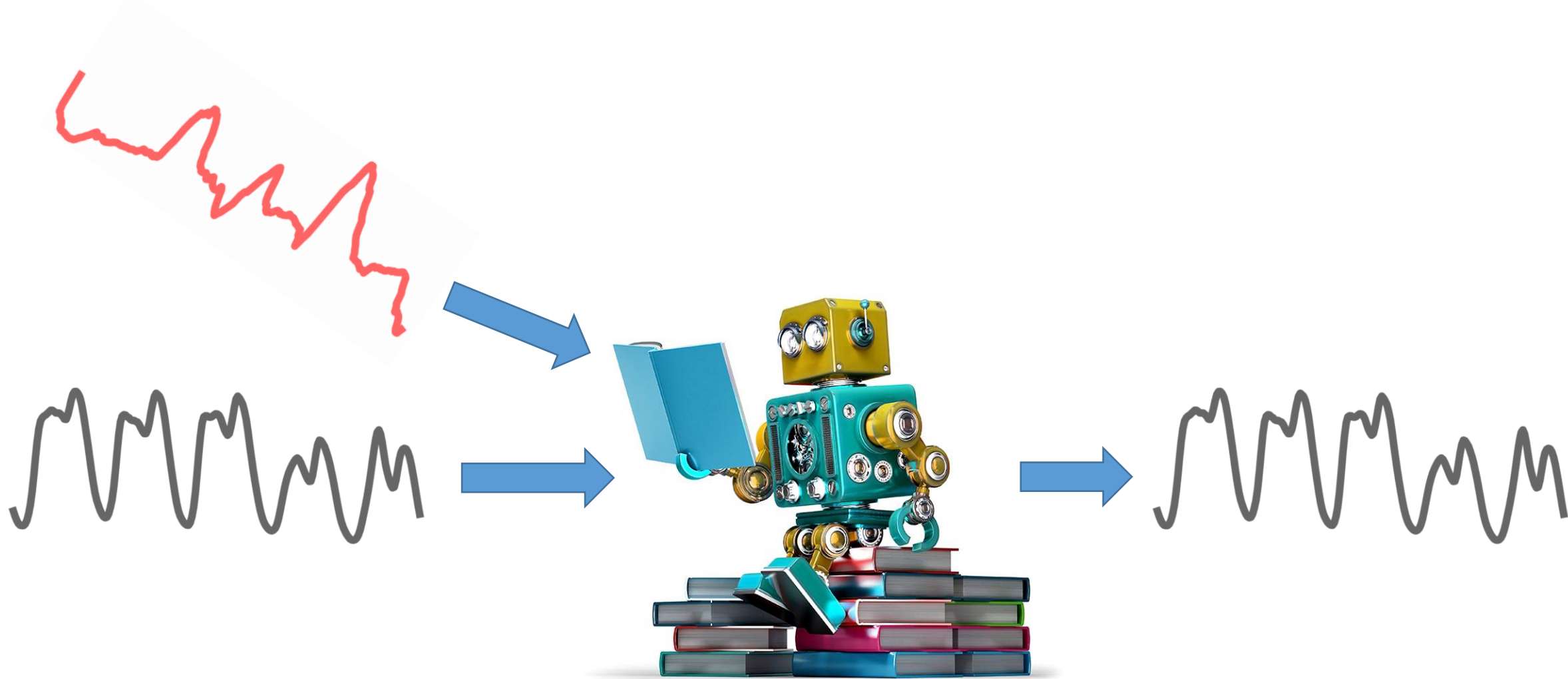


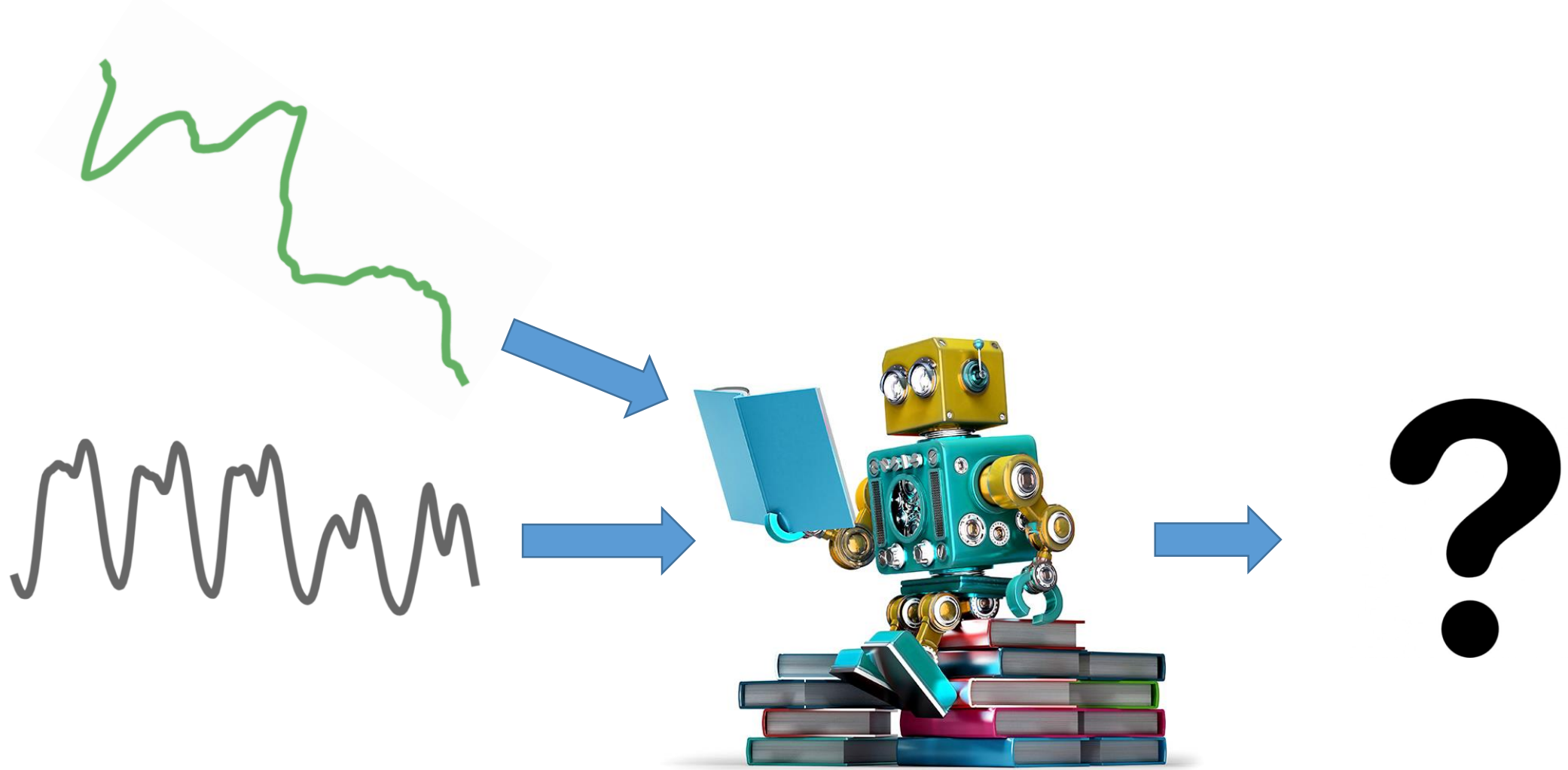


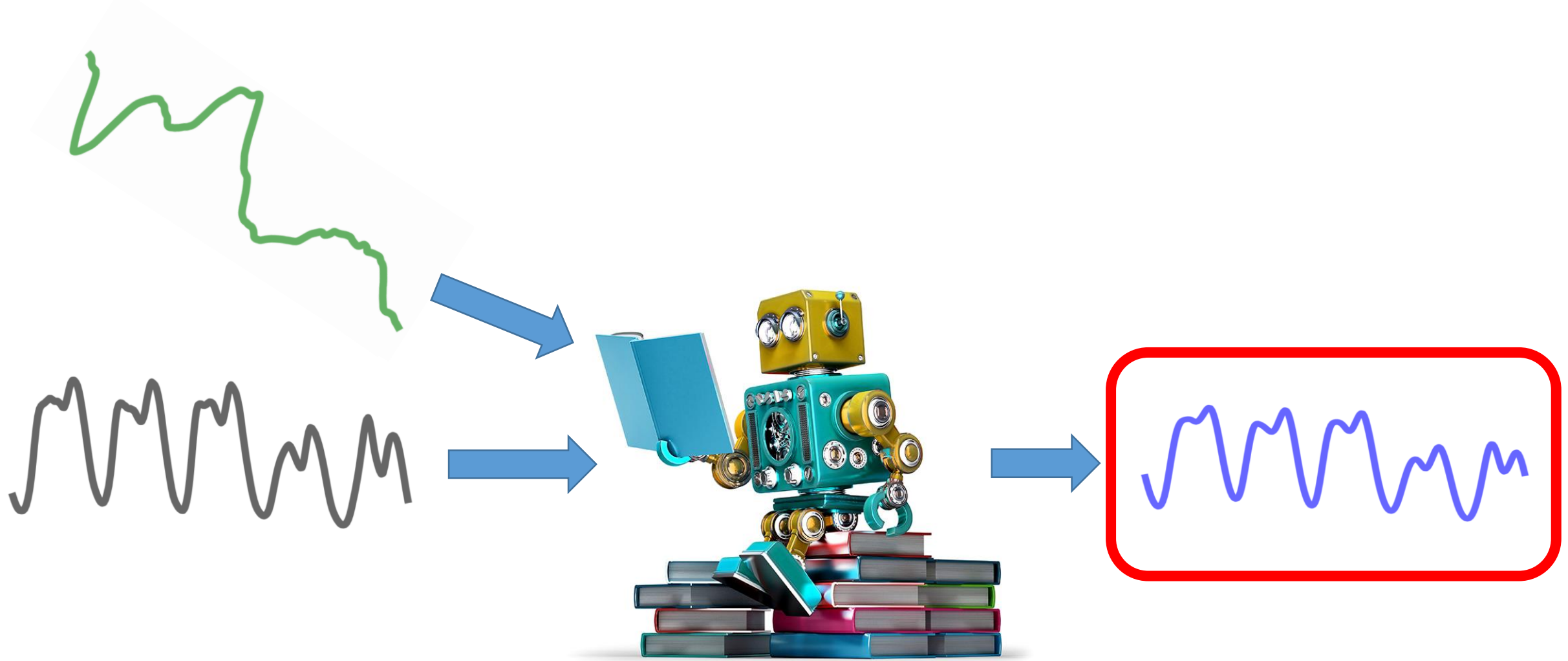


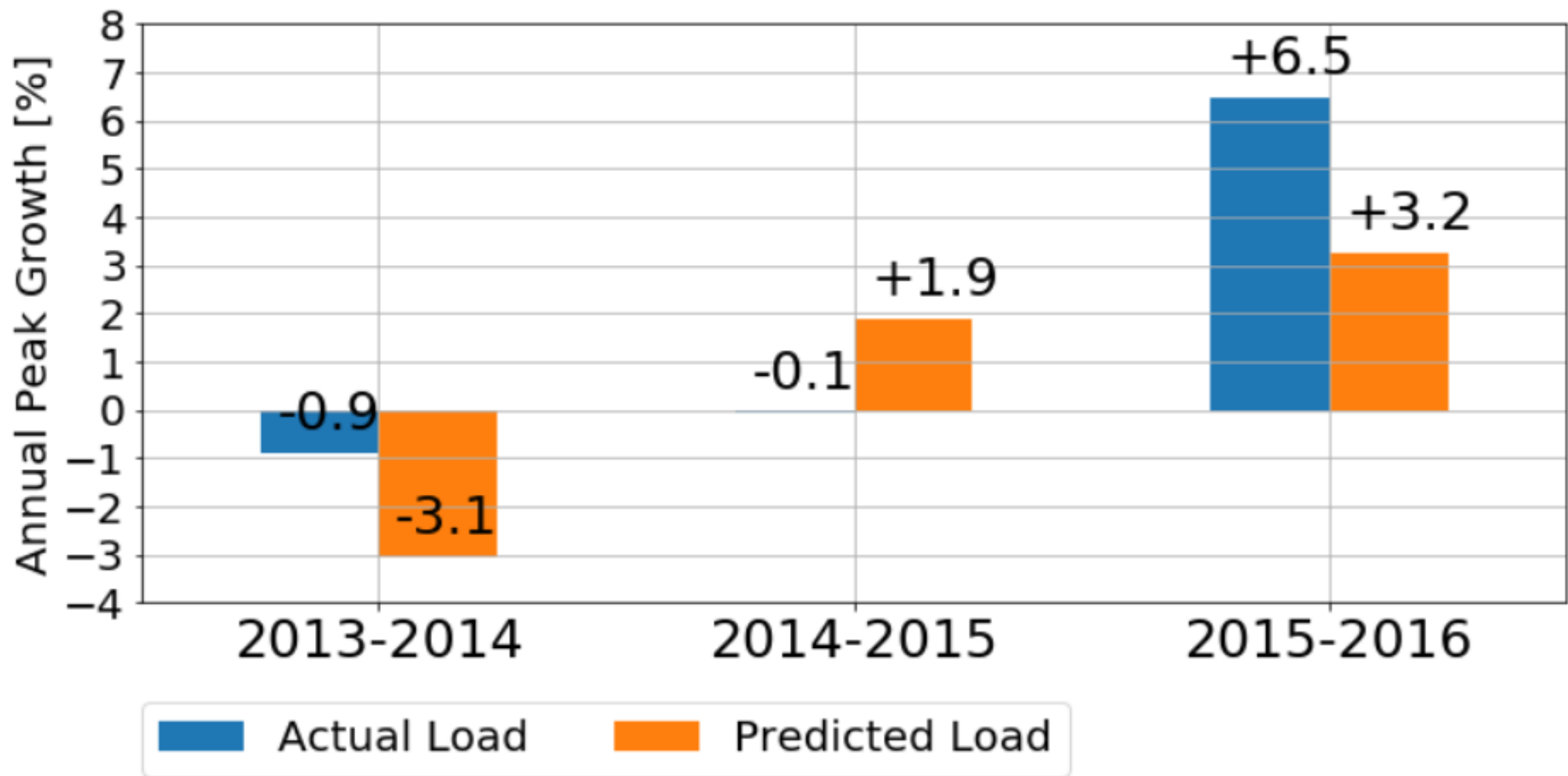






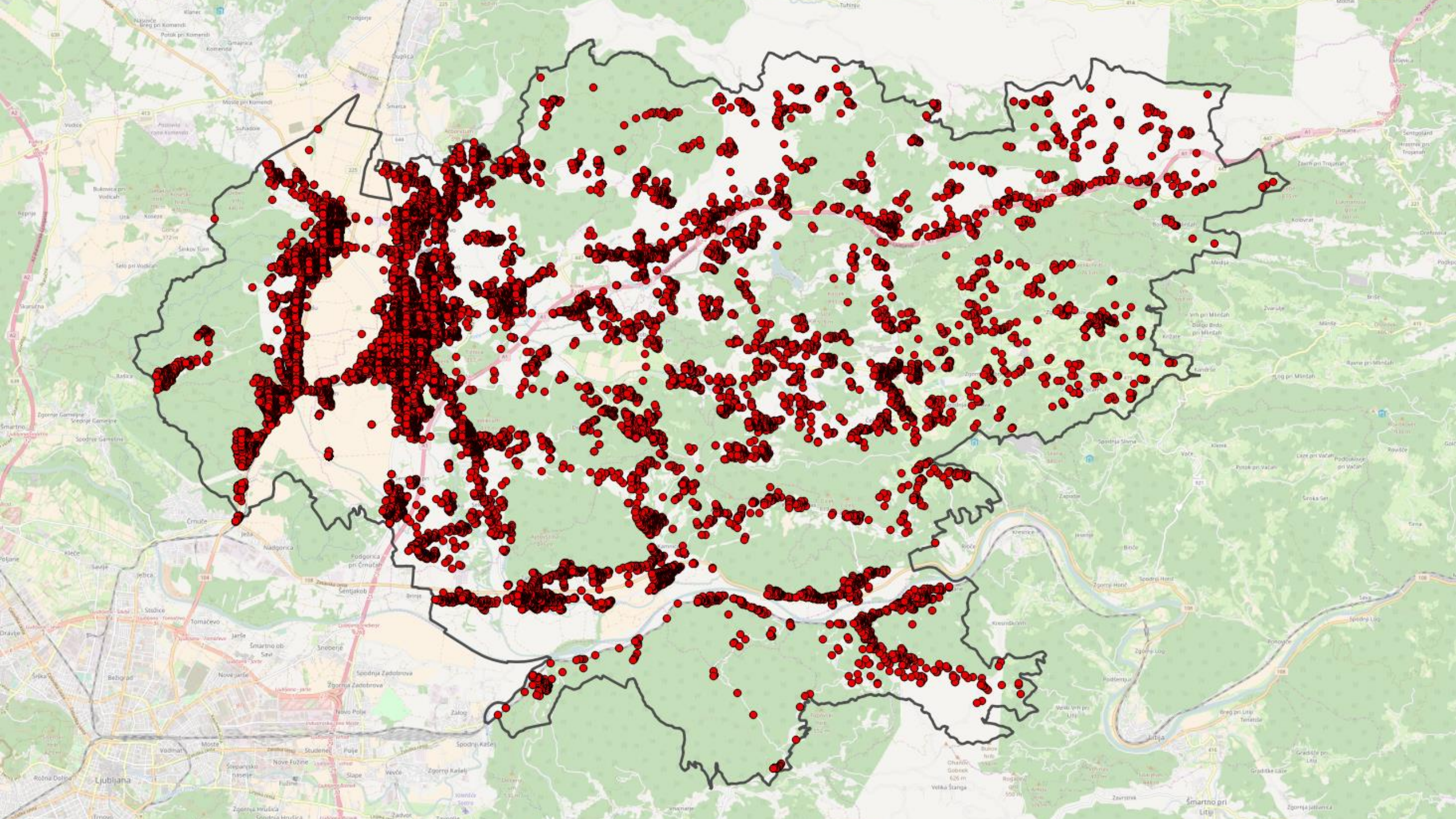




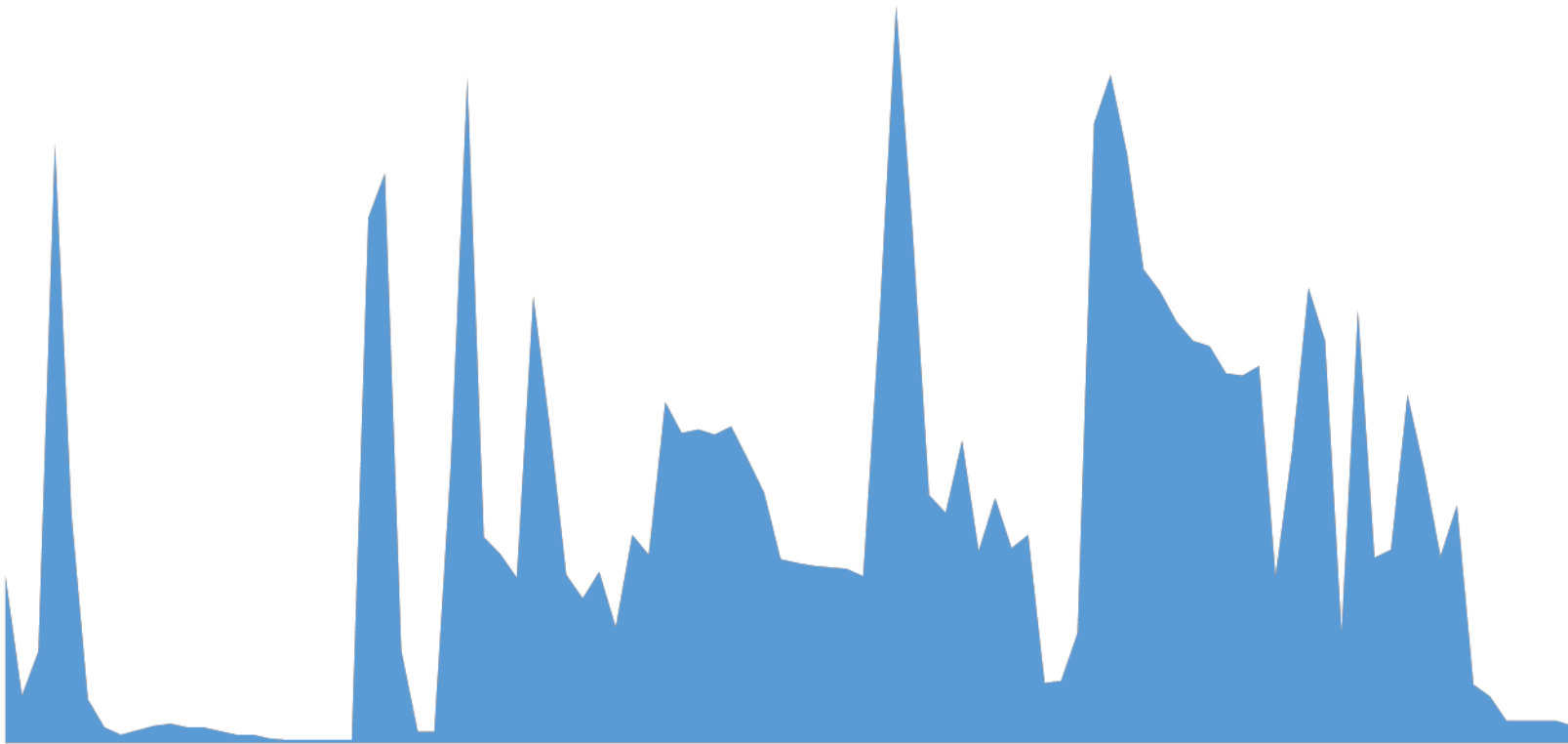


Podatki iz pametnih števcev

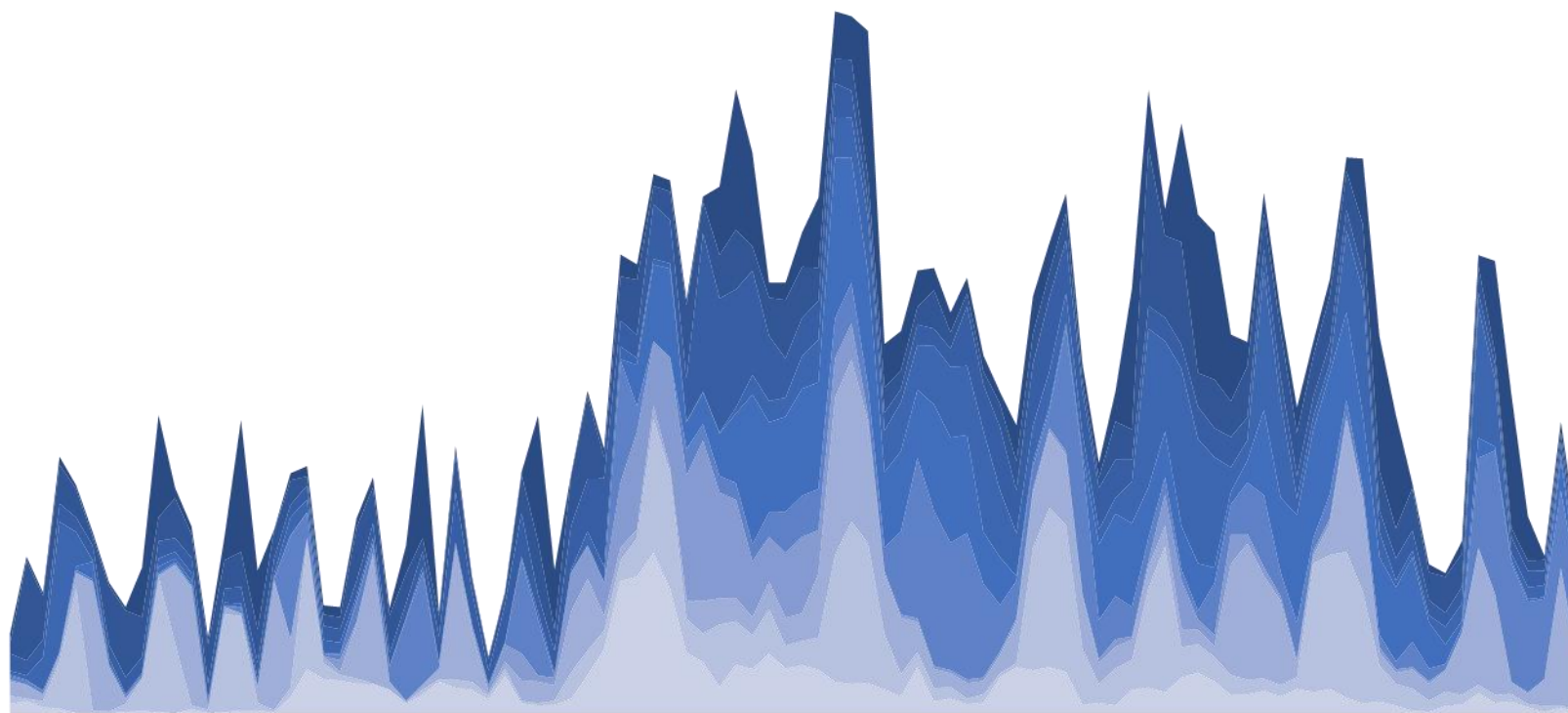




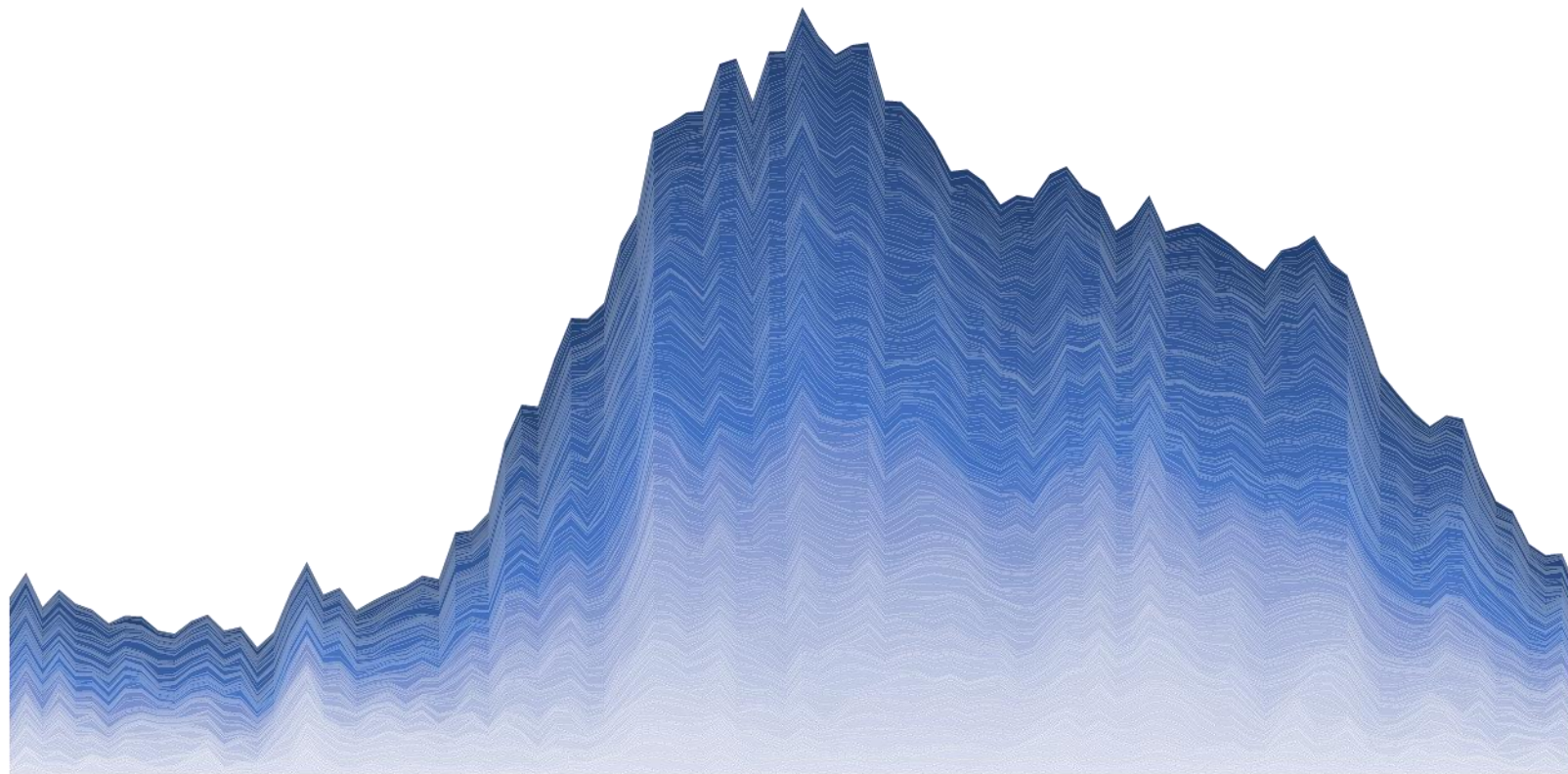
1 x



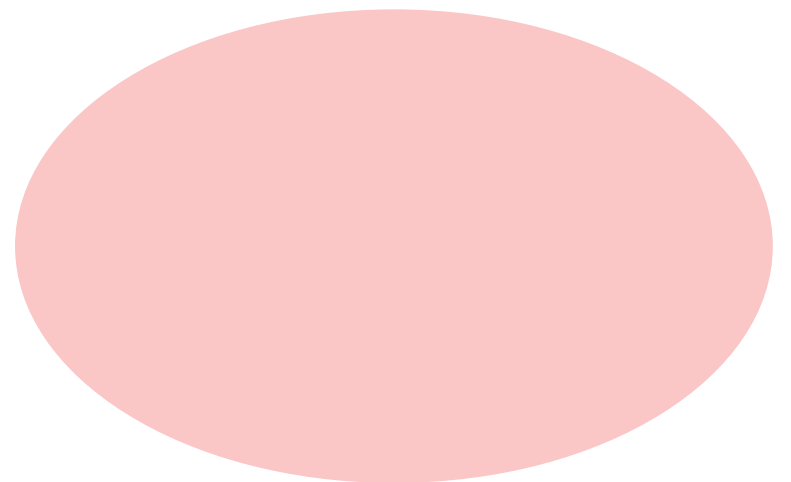
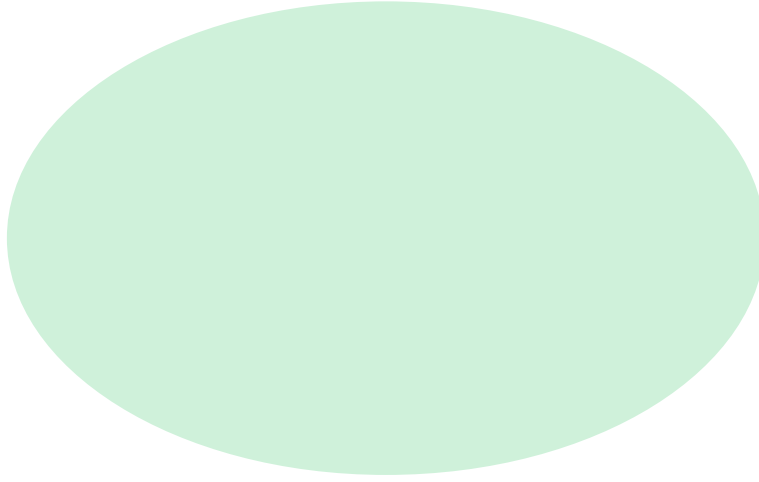
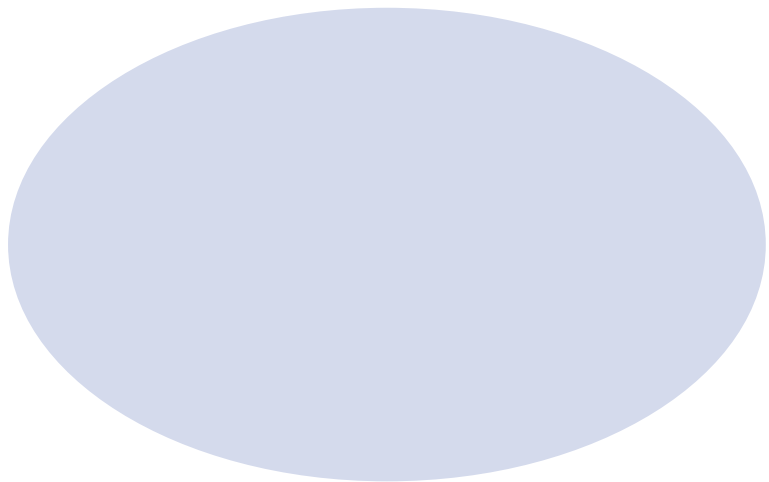
10 x

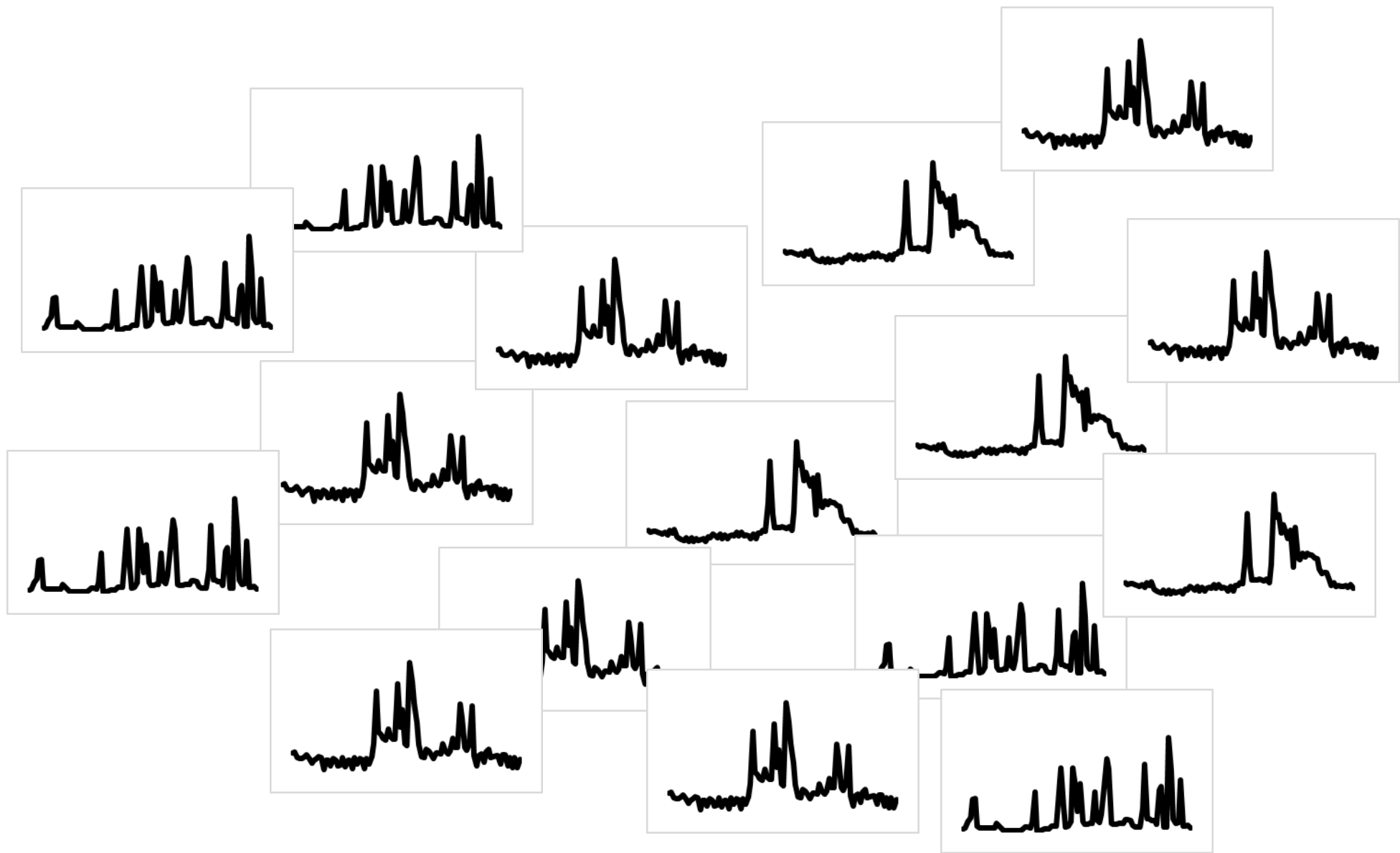


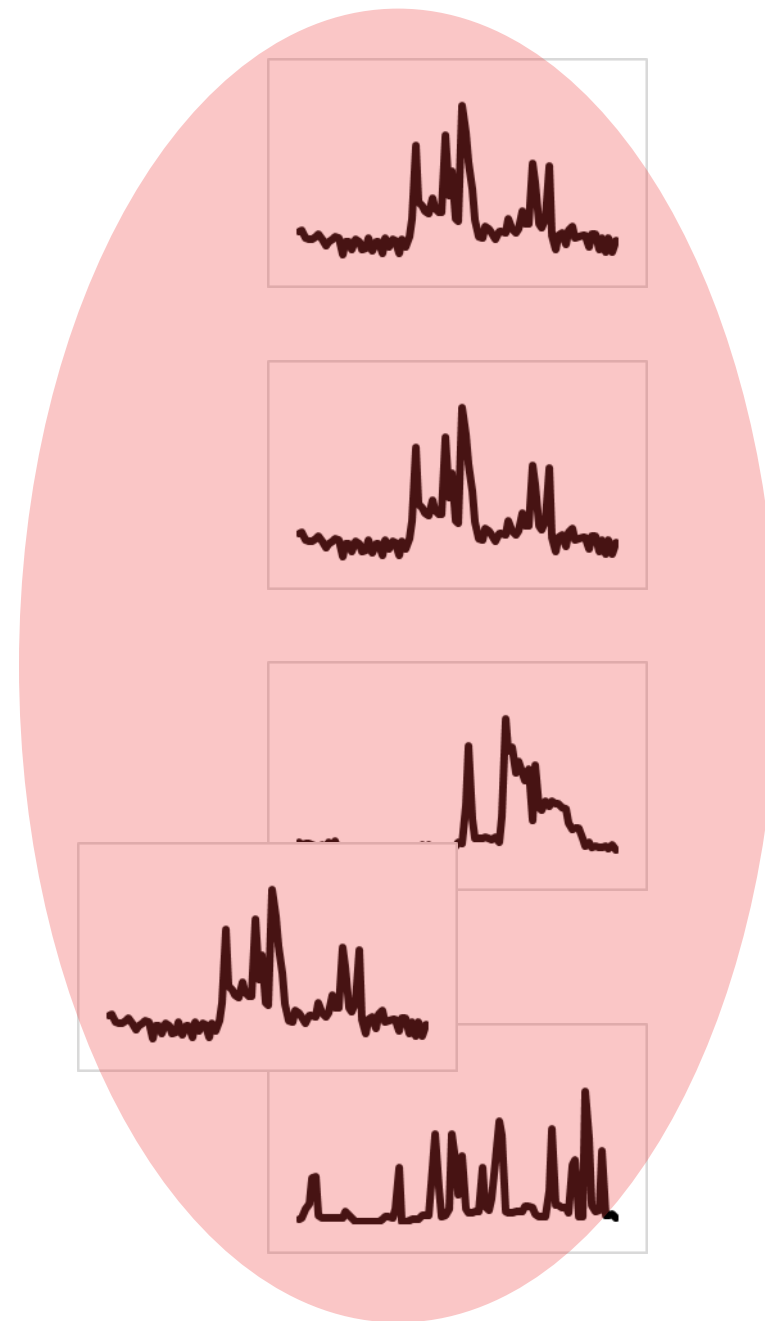
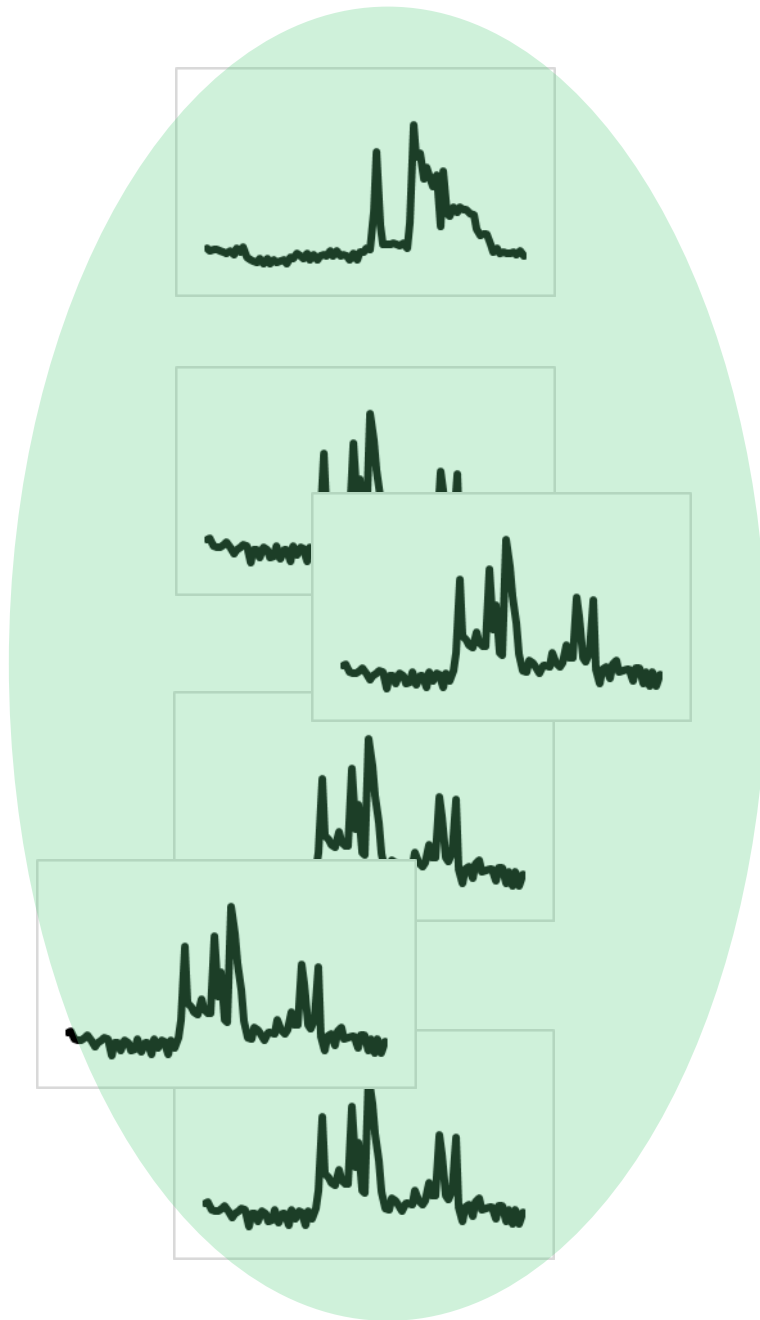
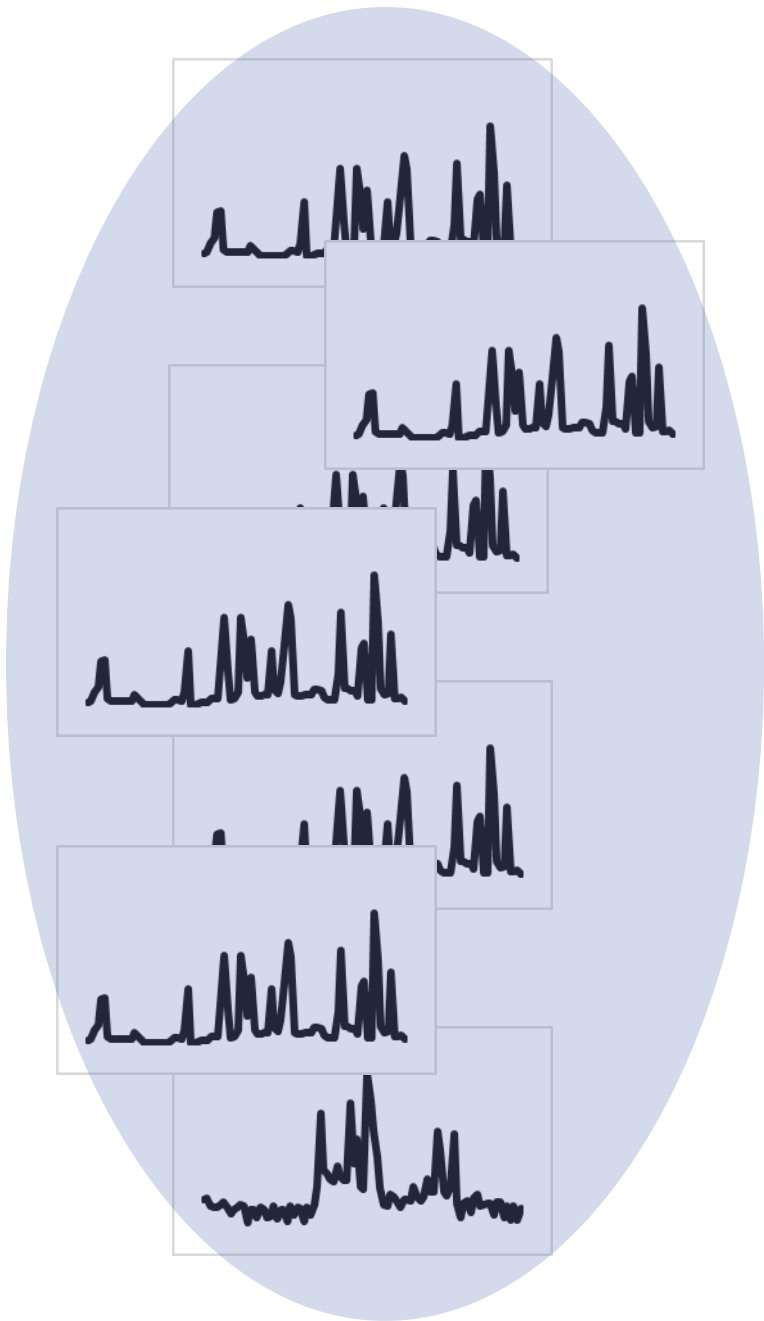
200 x

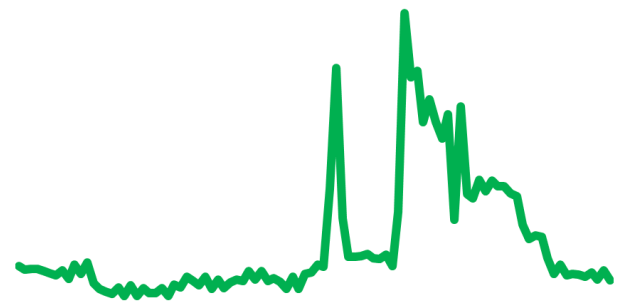
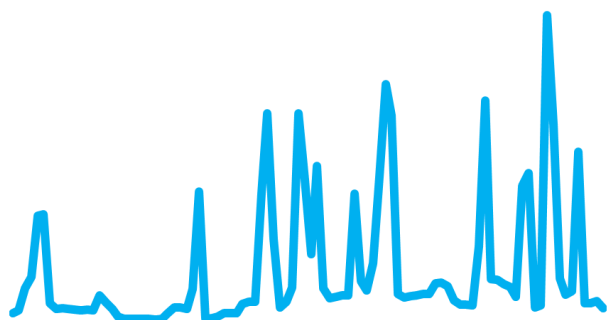


Razvrščanje v skupine

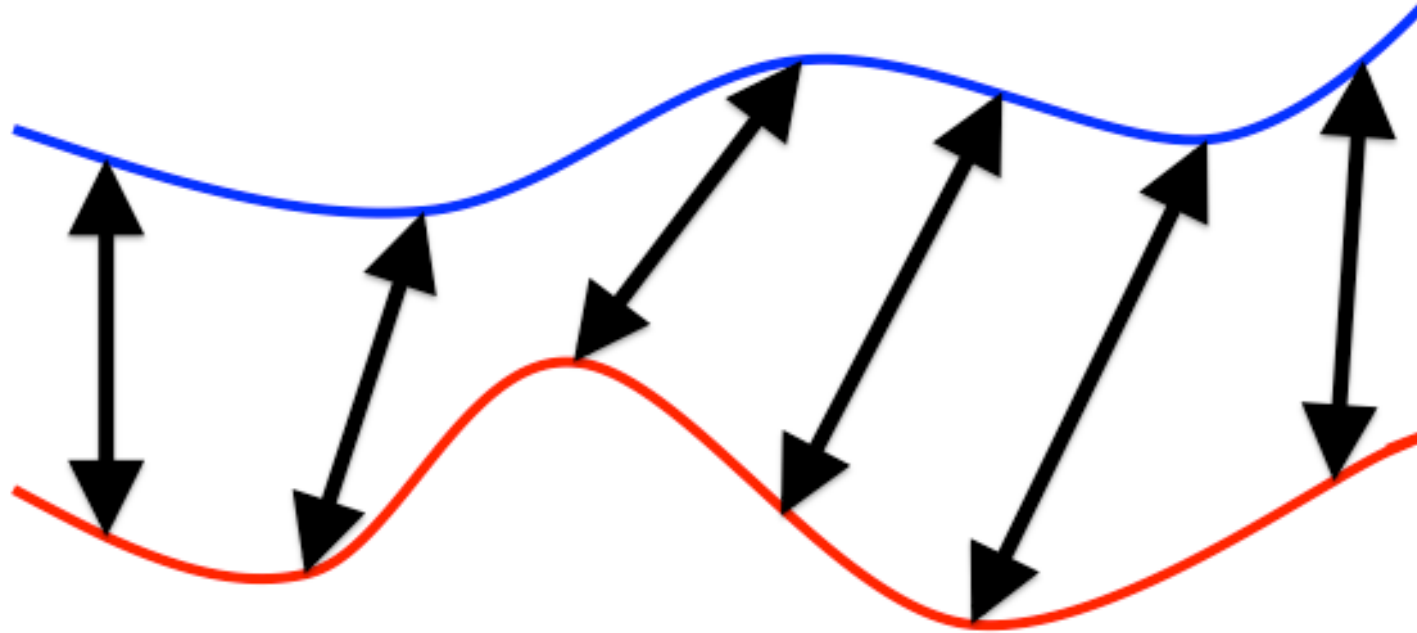


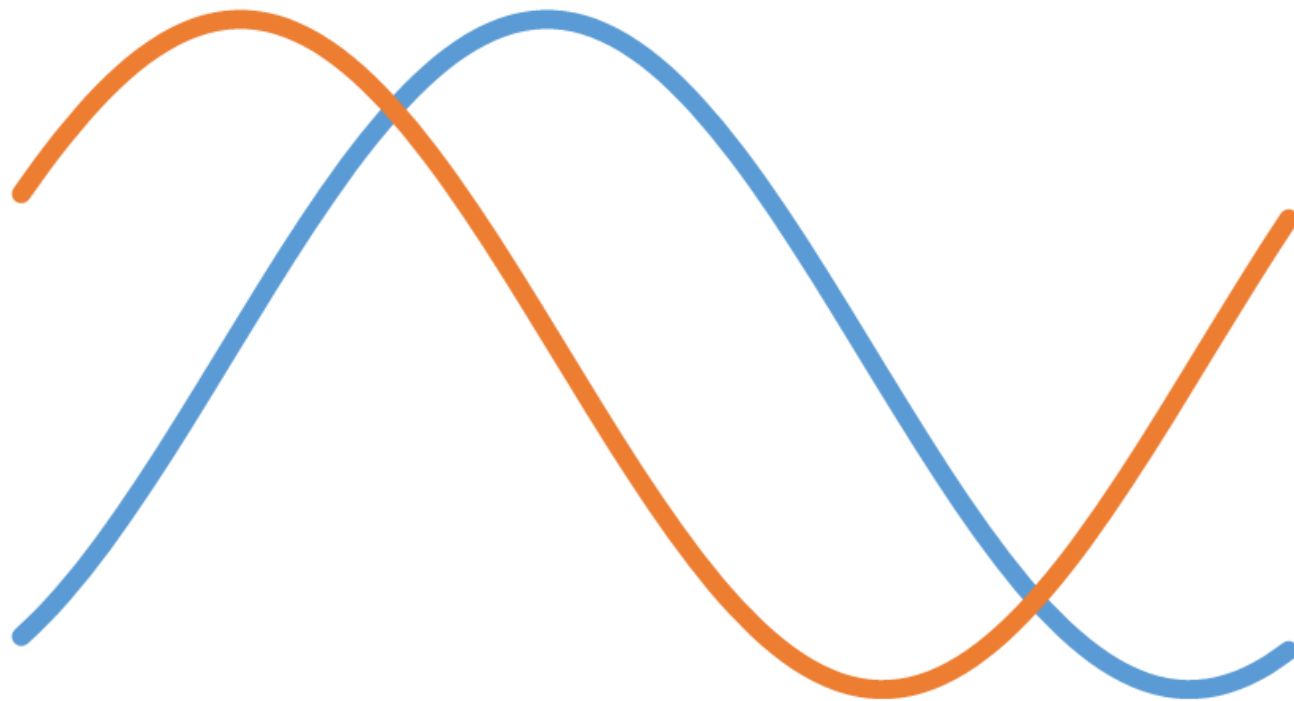
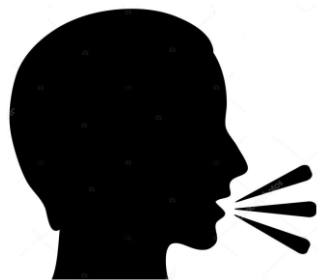


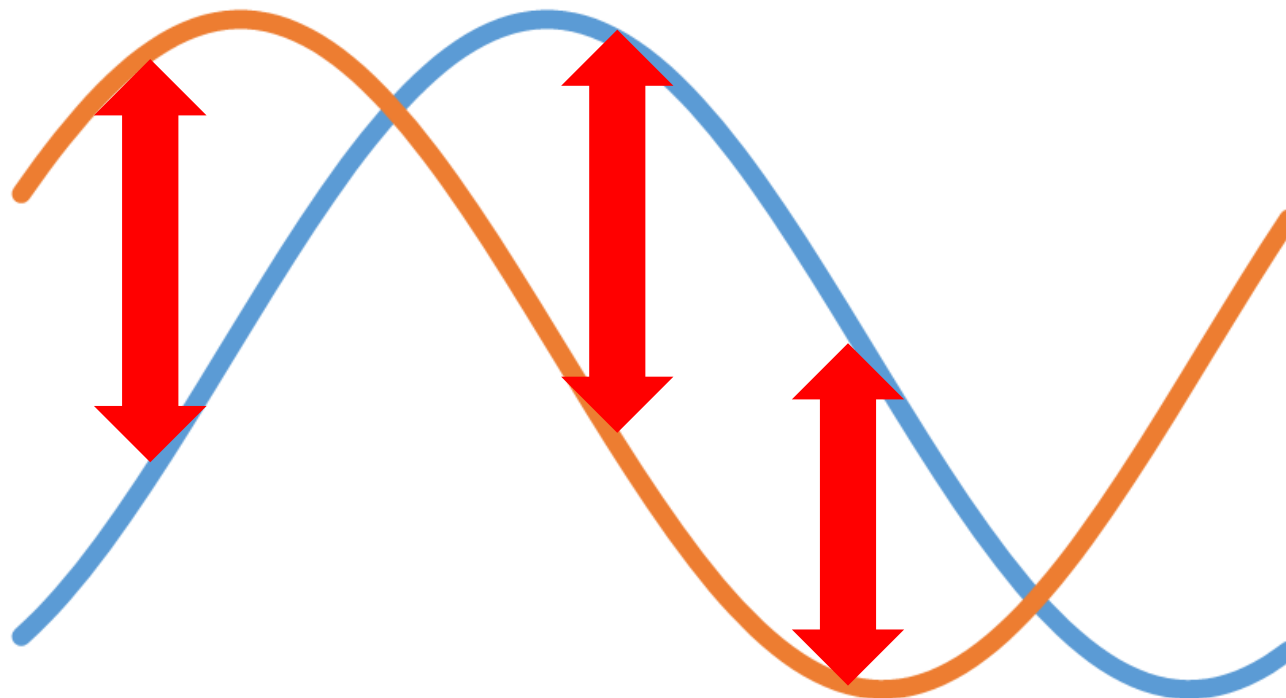
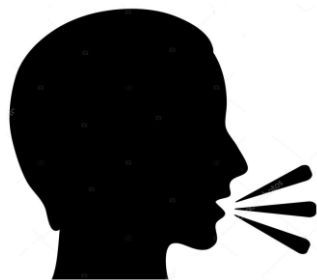


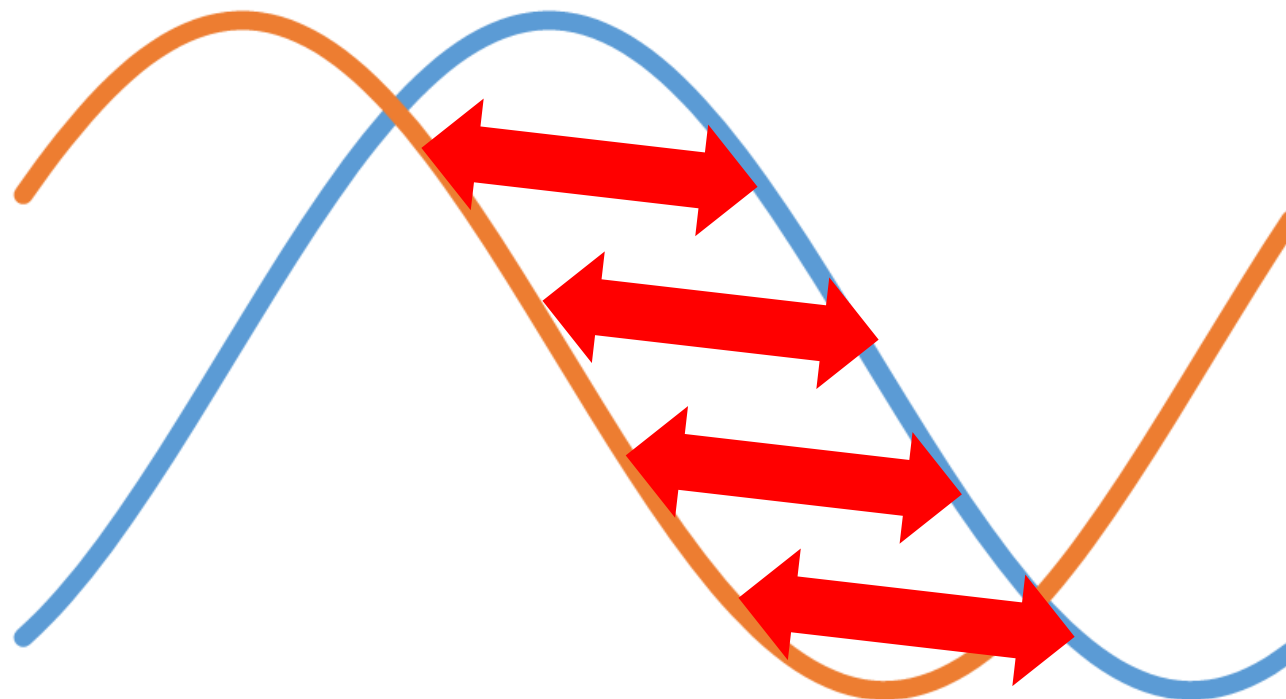


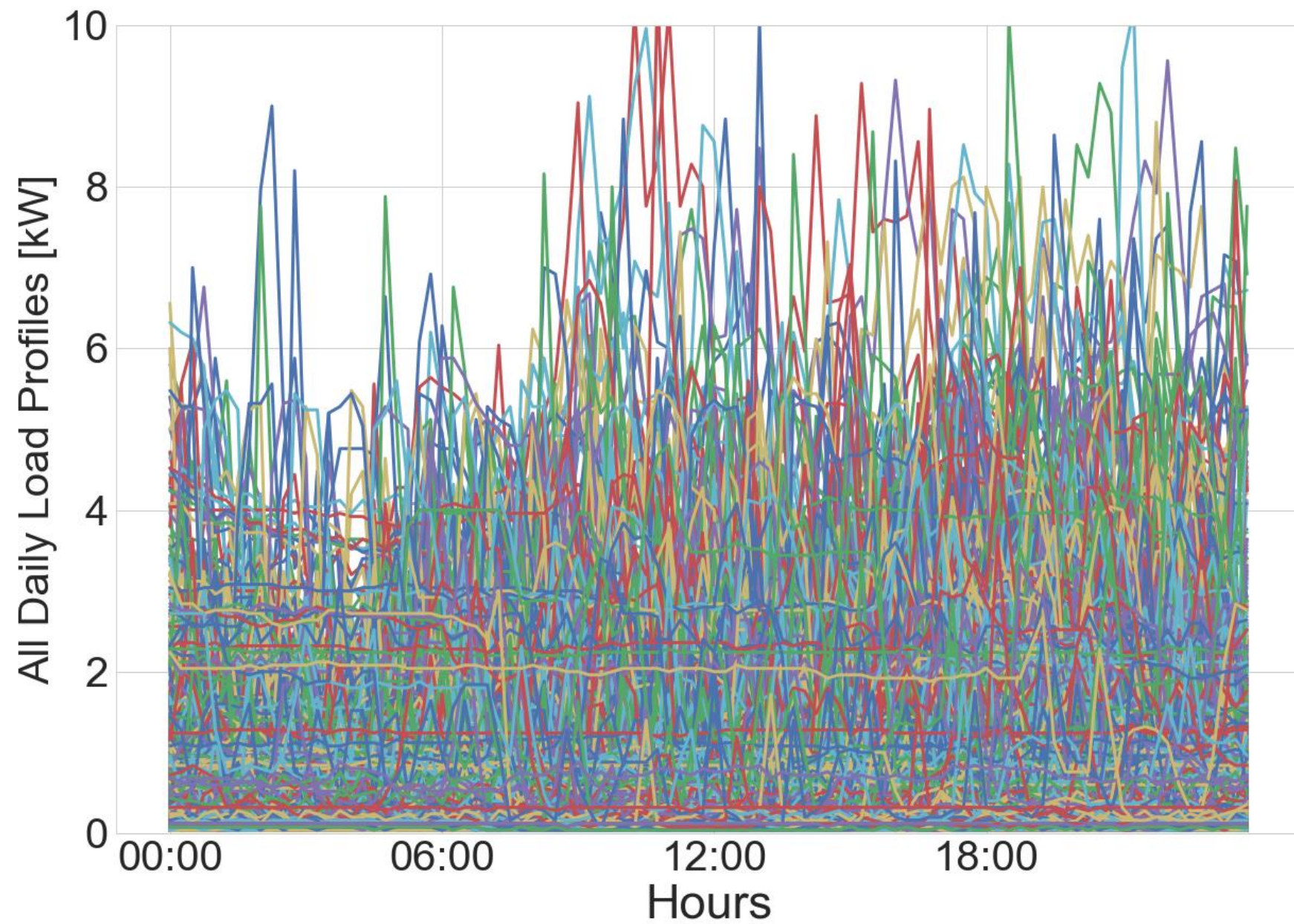
Dynamic Time Warping

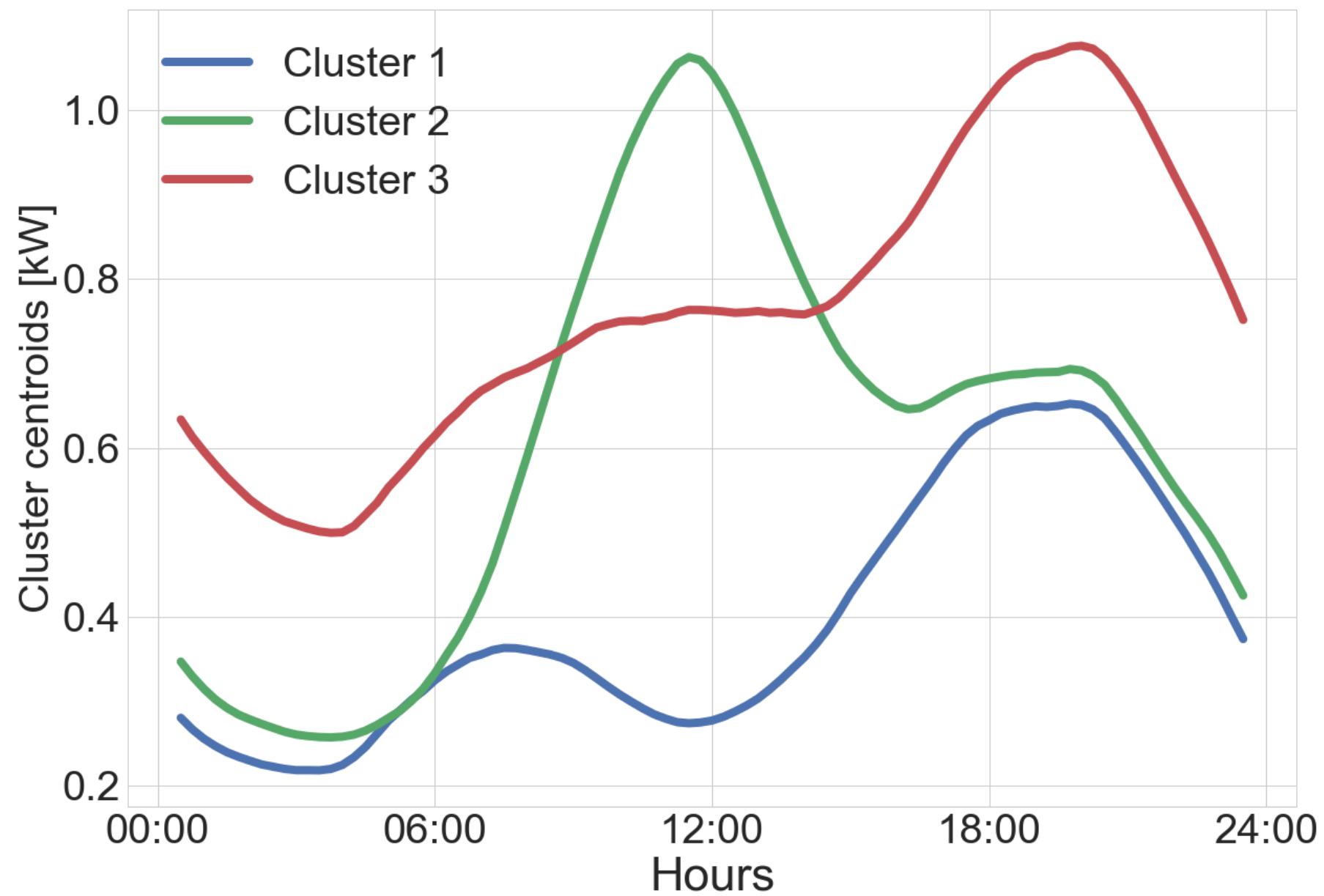


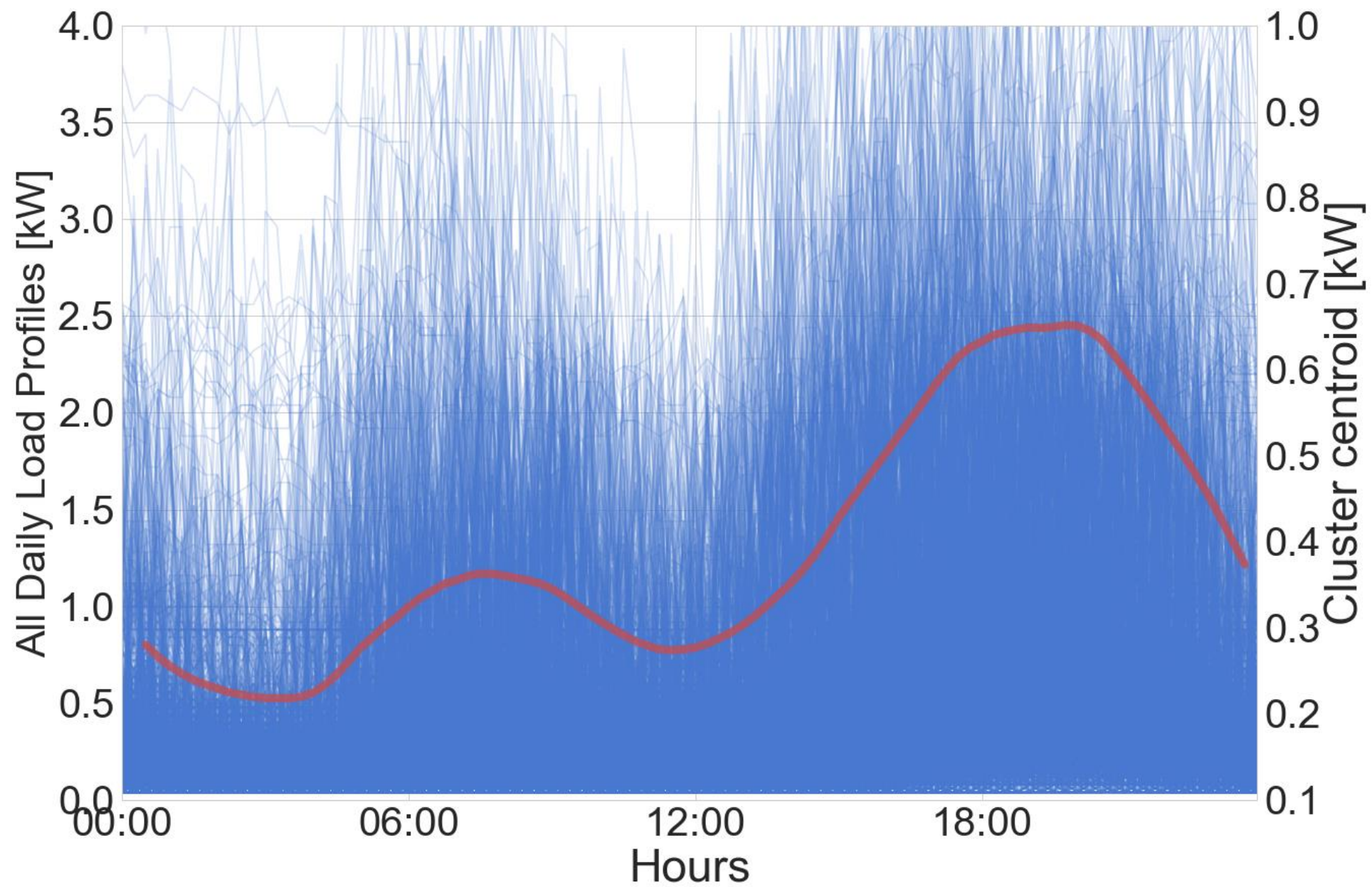


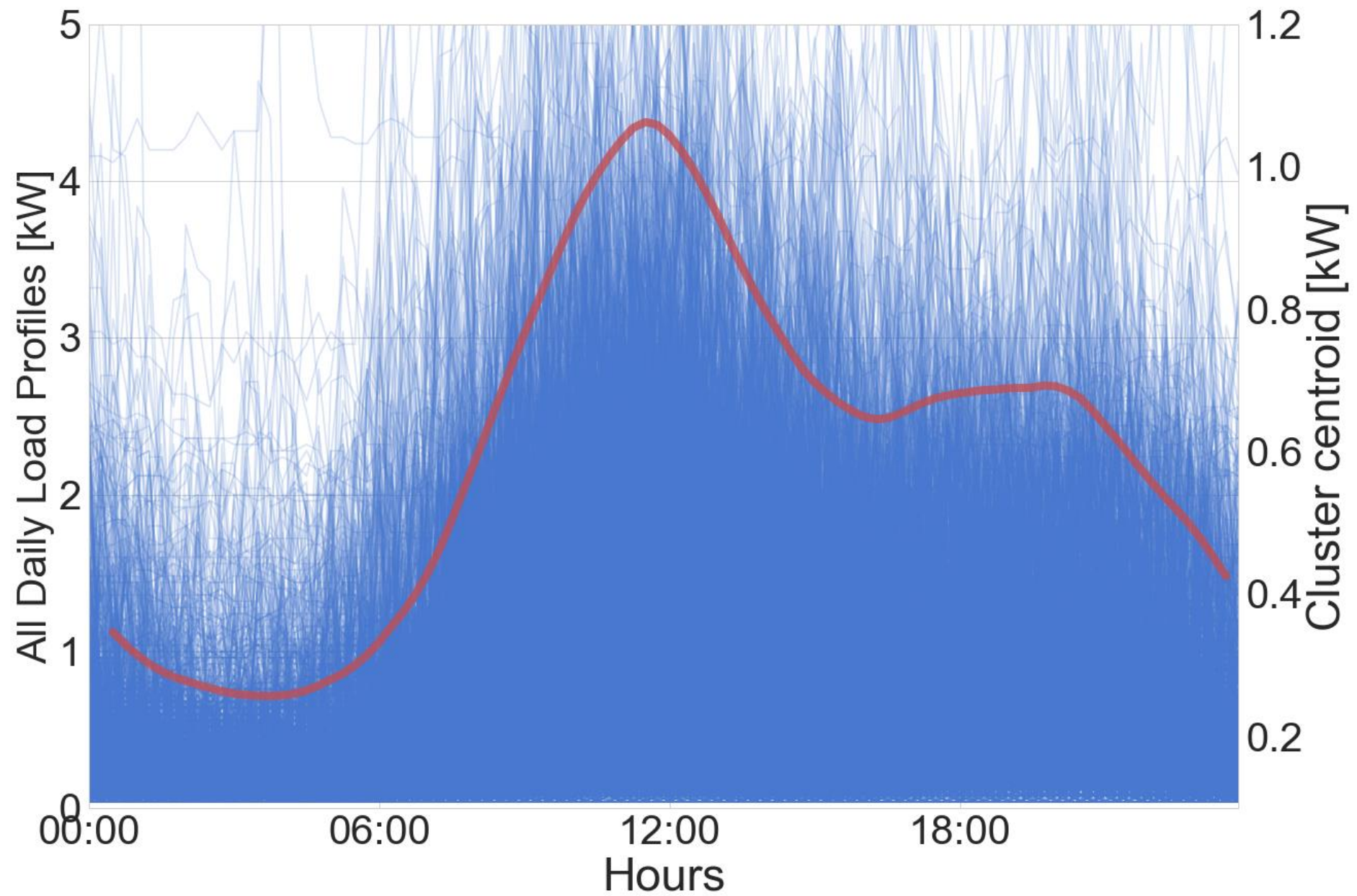


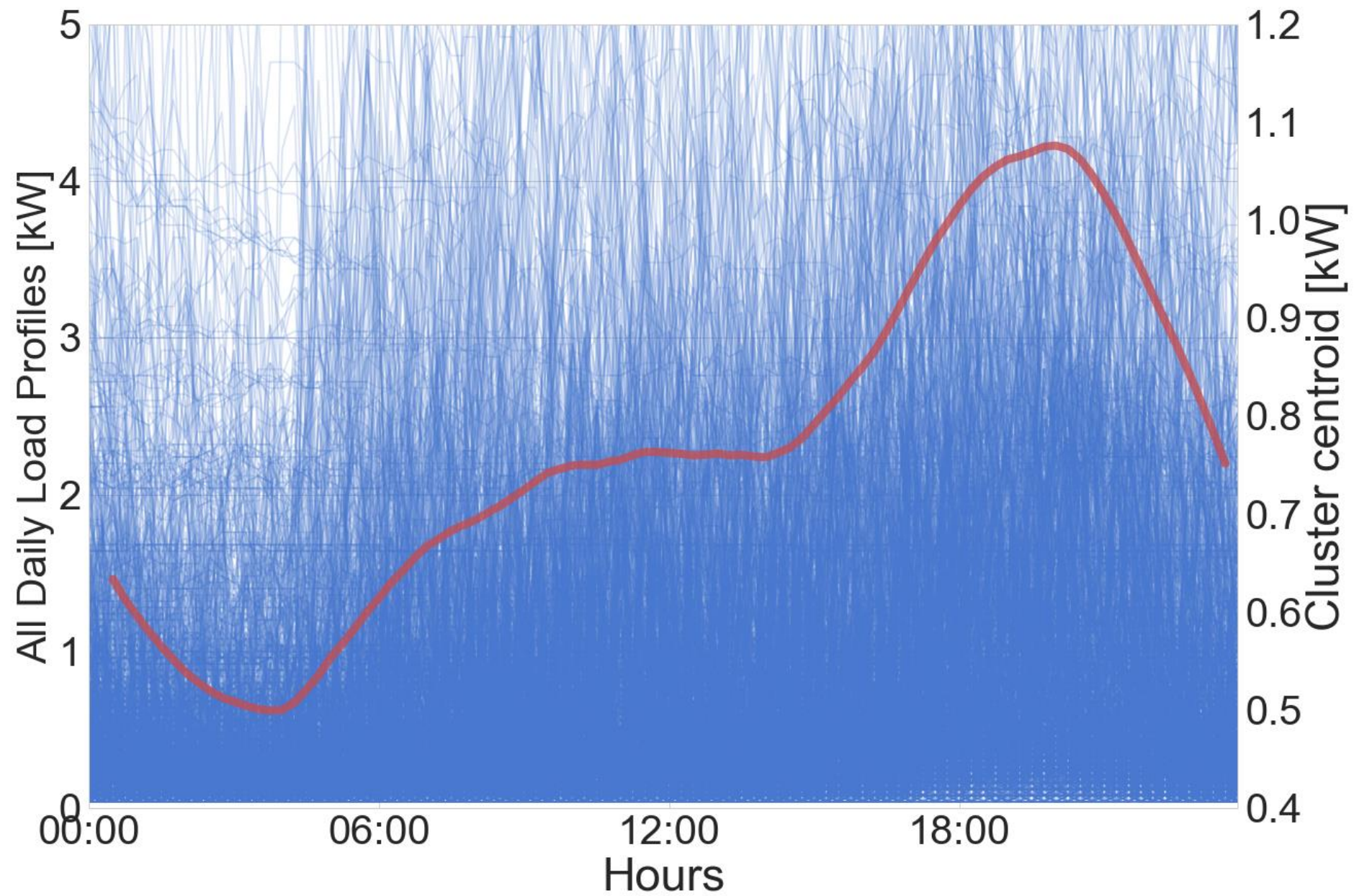


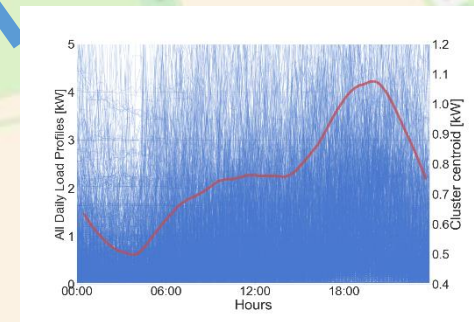
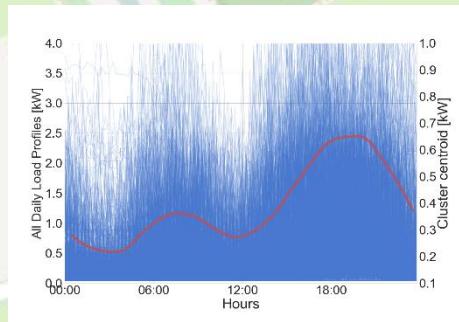
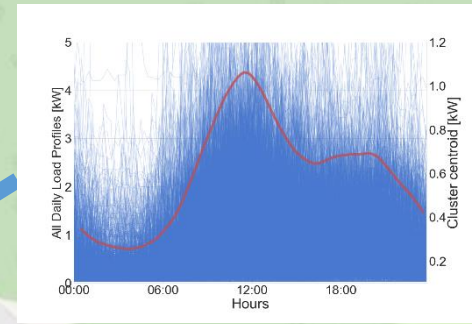
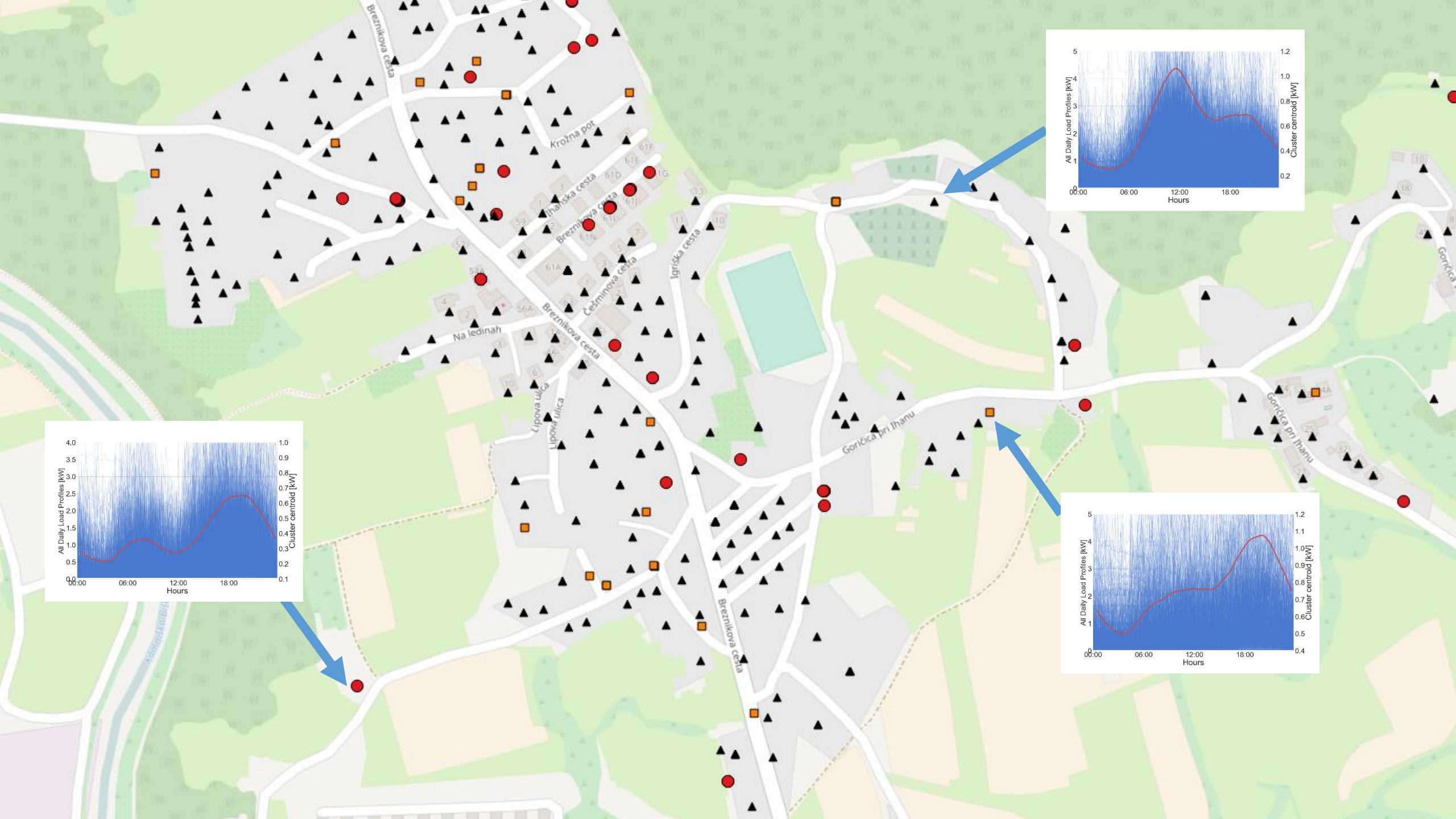




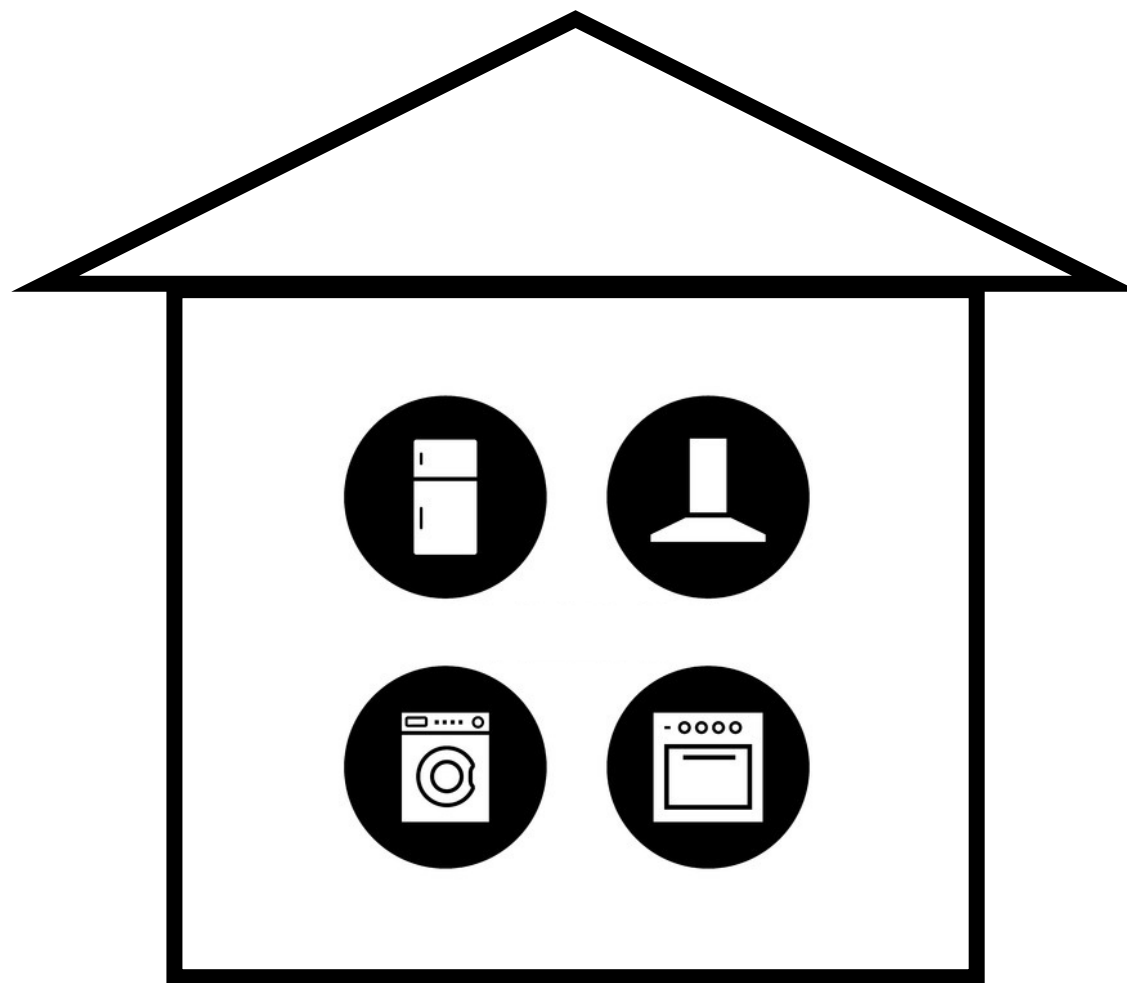


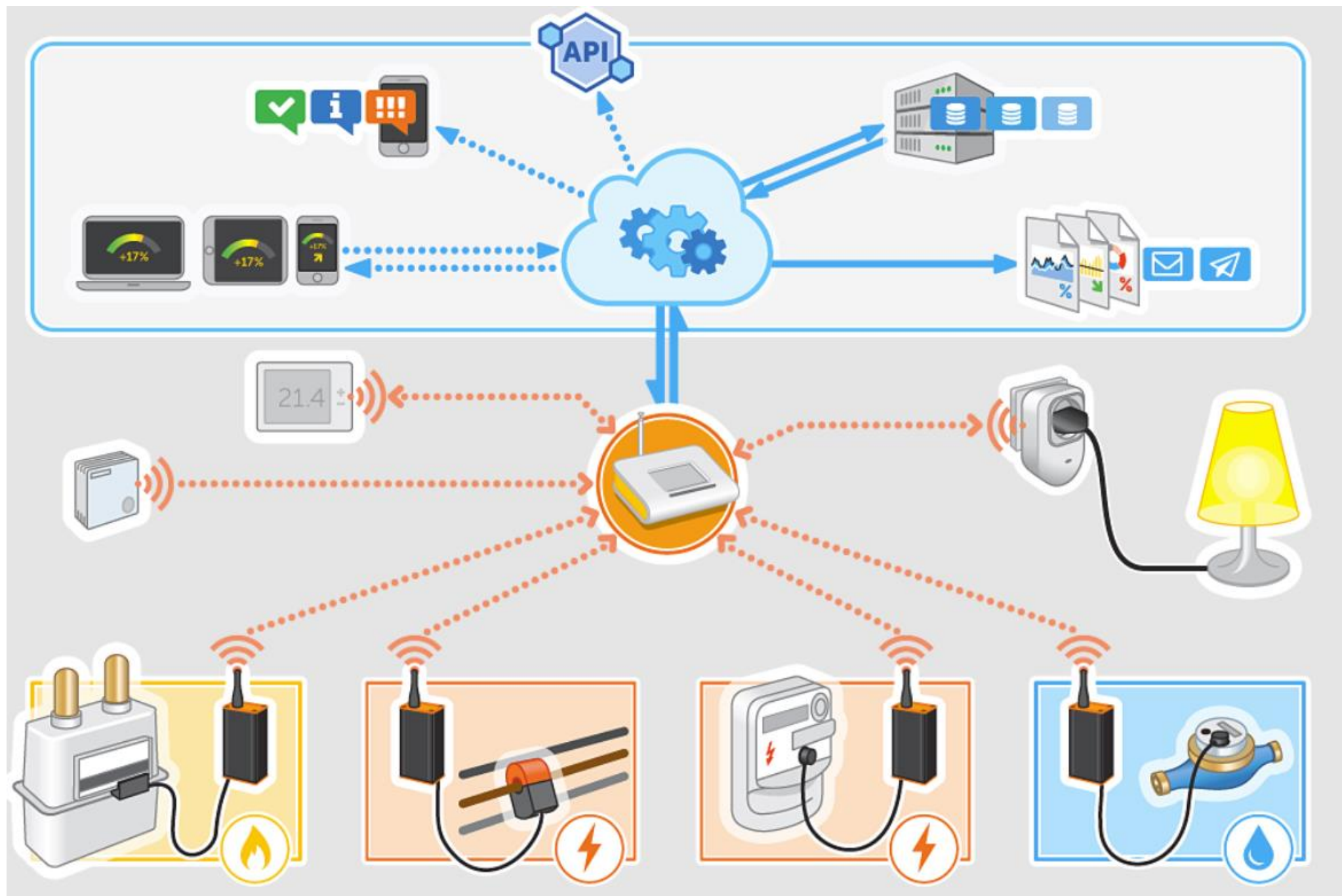




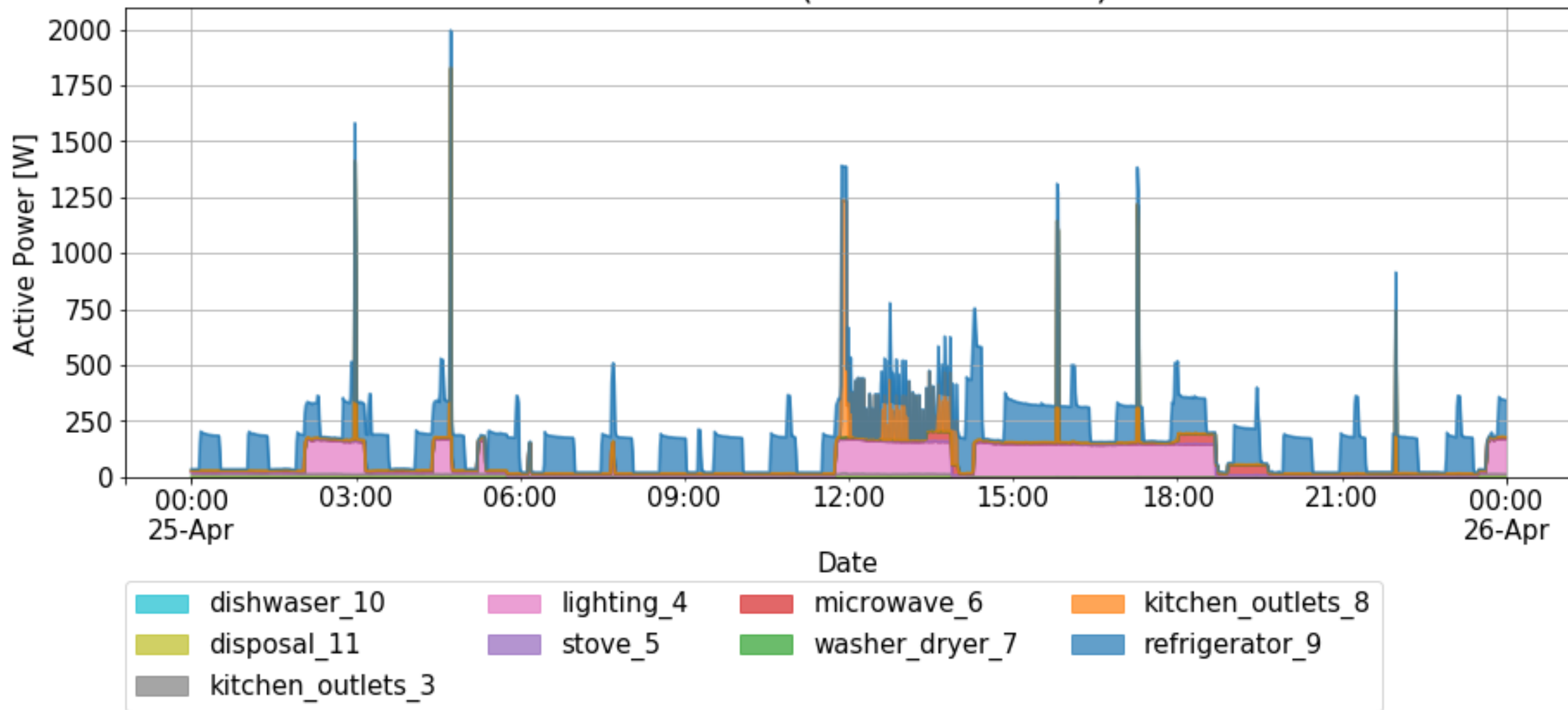


Prepoznavanje el. naprav

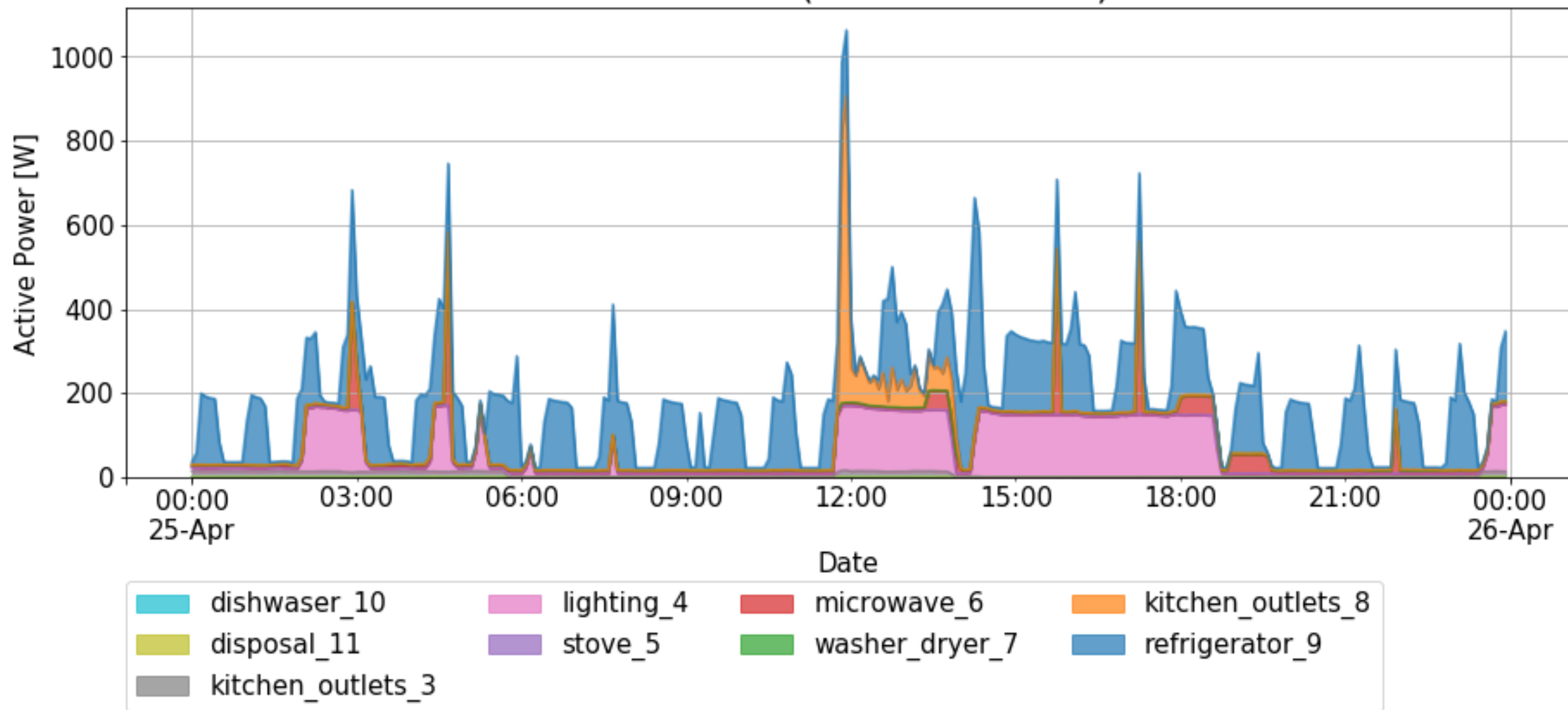




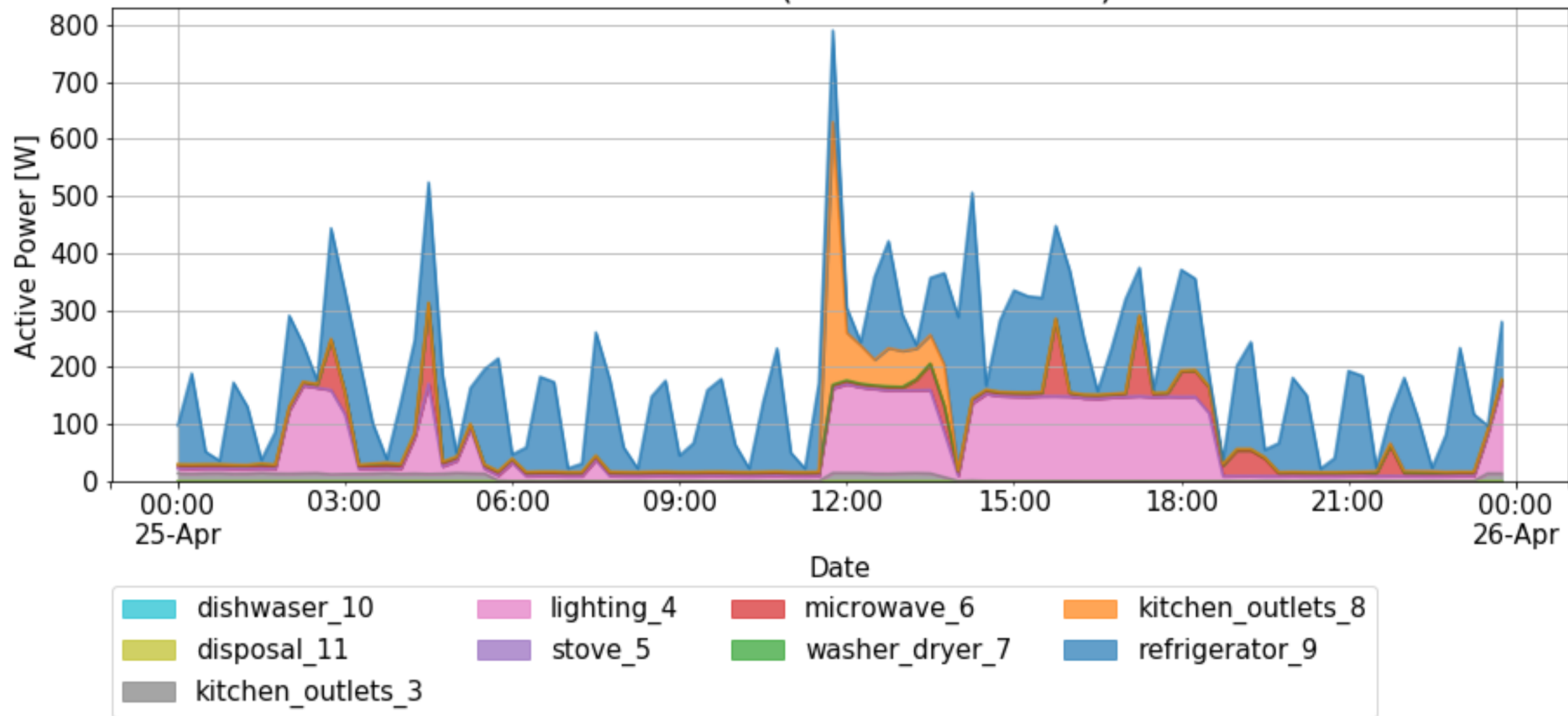
House 2 - measurements (resolution: 1min) - 2011-04-25



House 2 - measurements (resolution: 5min) - 2011-04-25



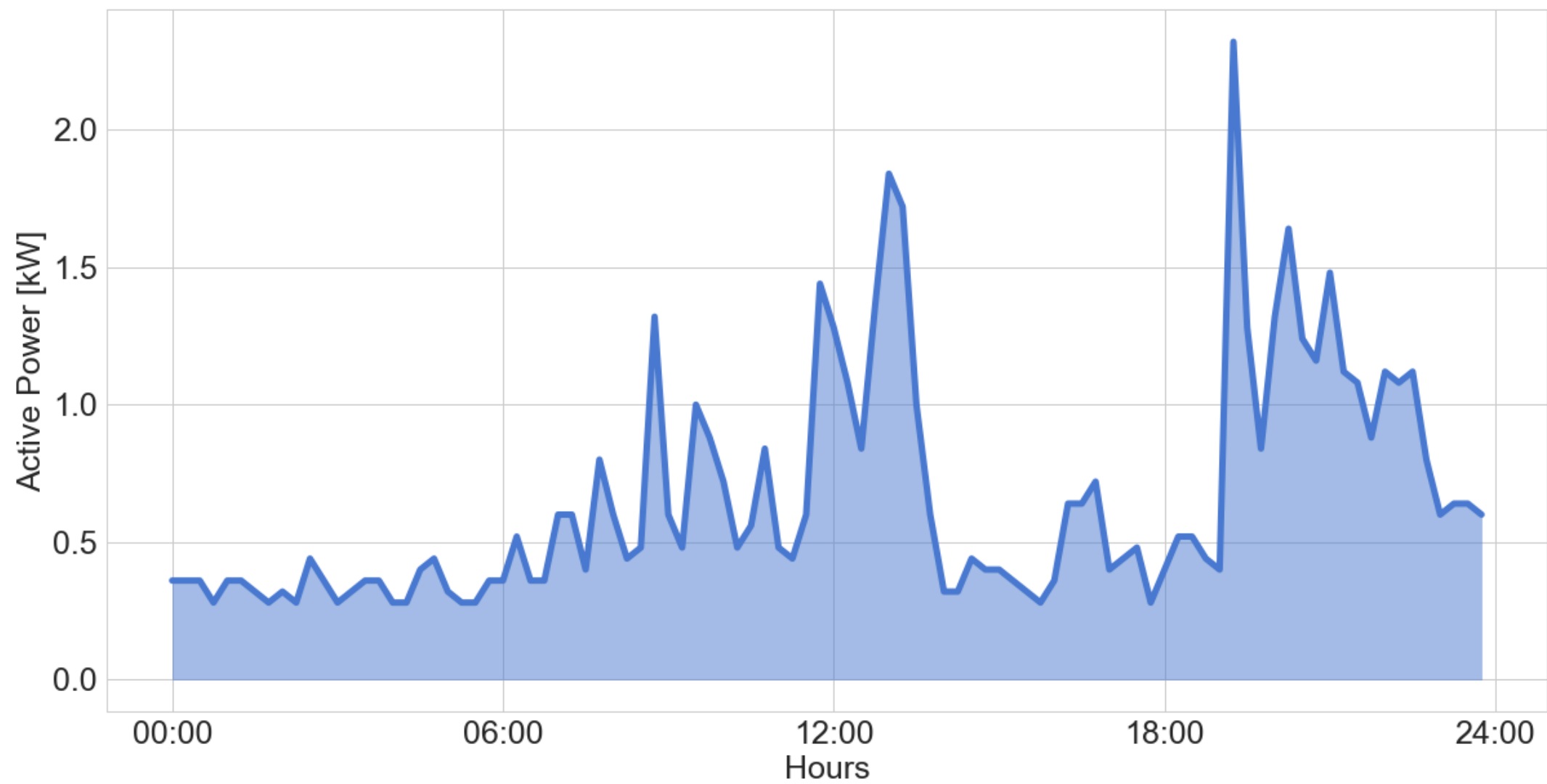
House 2 - measurements (resolution: 15min) - 2011-04-25

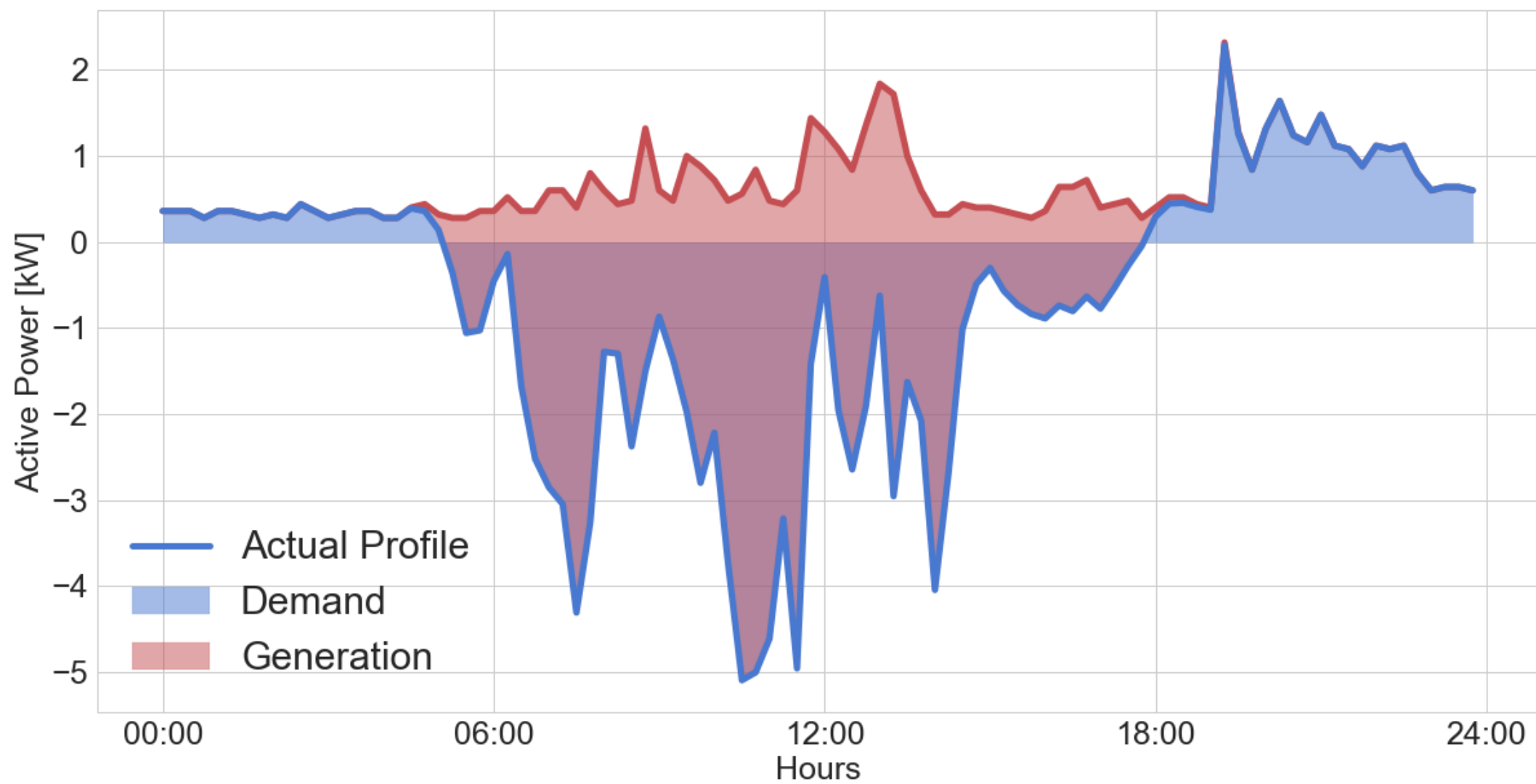


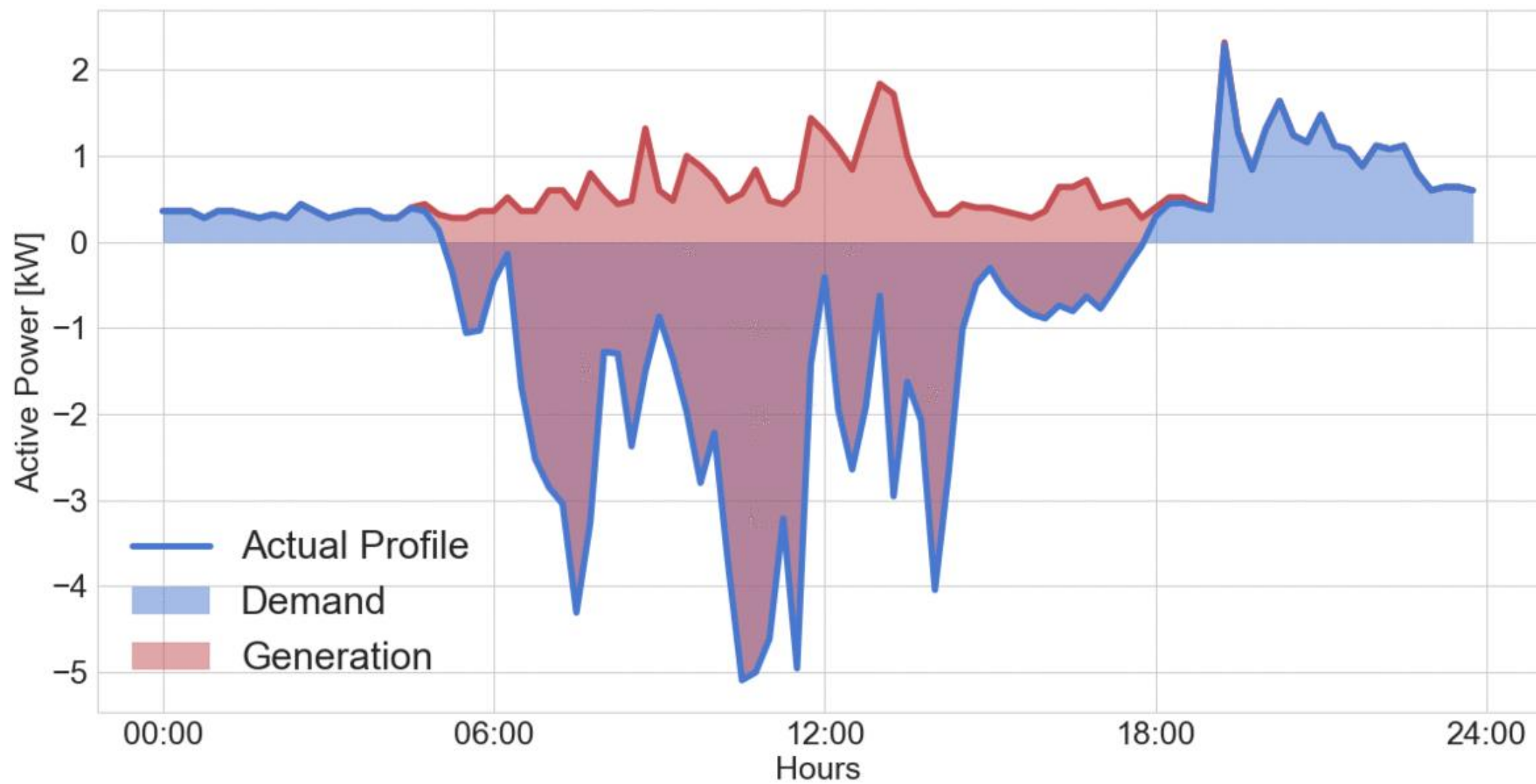
Verjetnostne analize











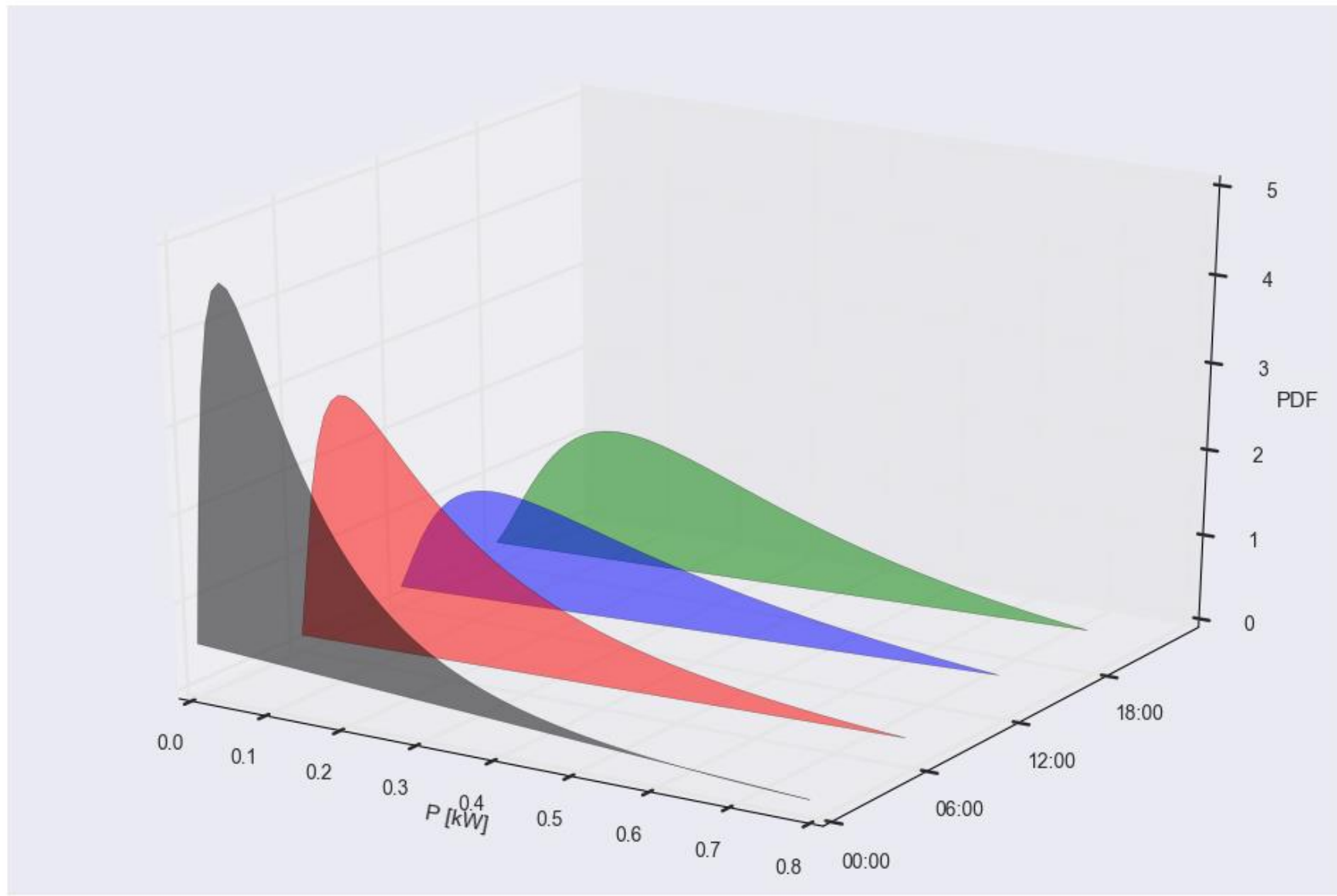
Statično modeliranje



Statično modeliranje

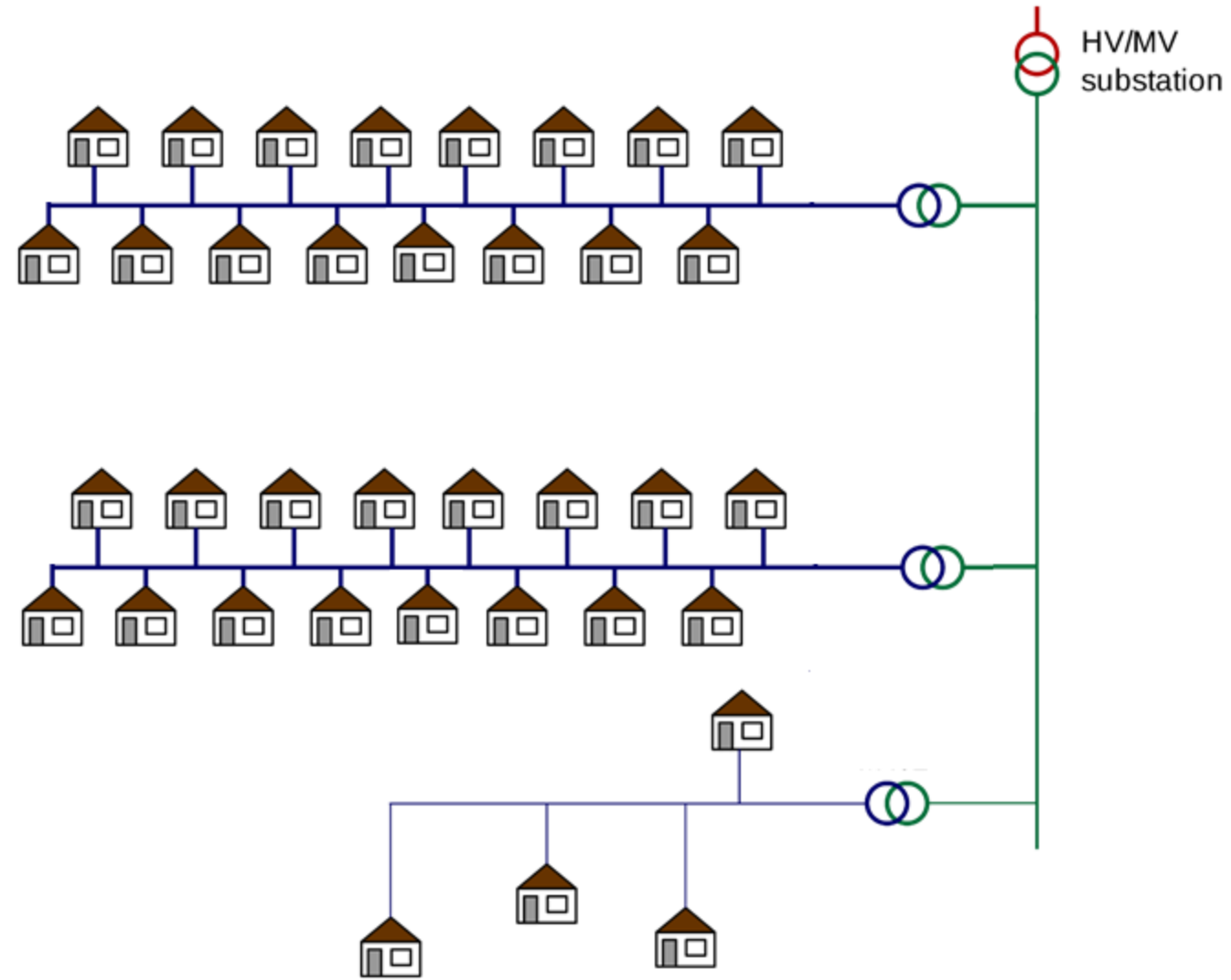


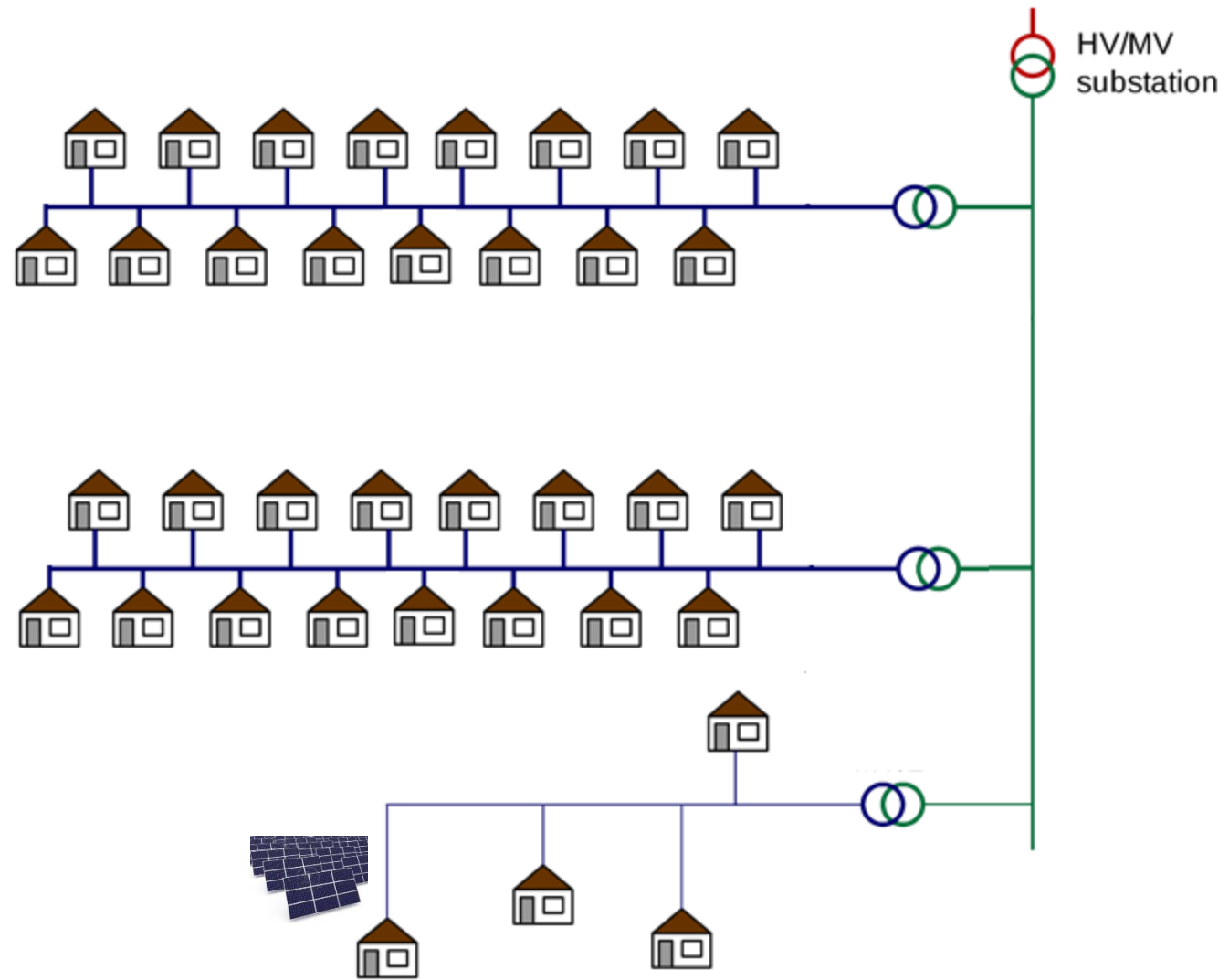
Statistično modeliranje

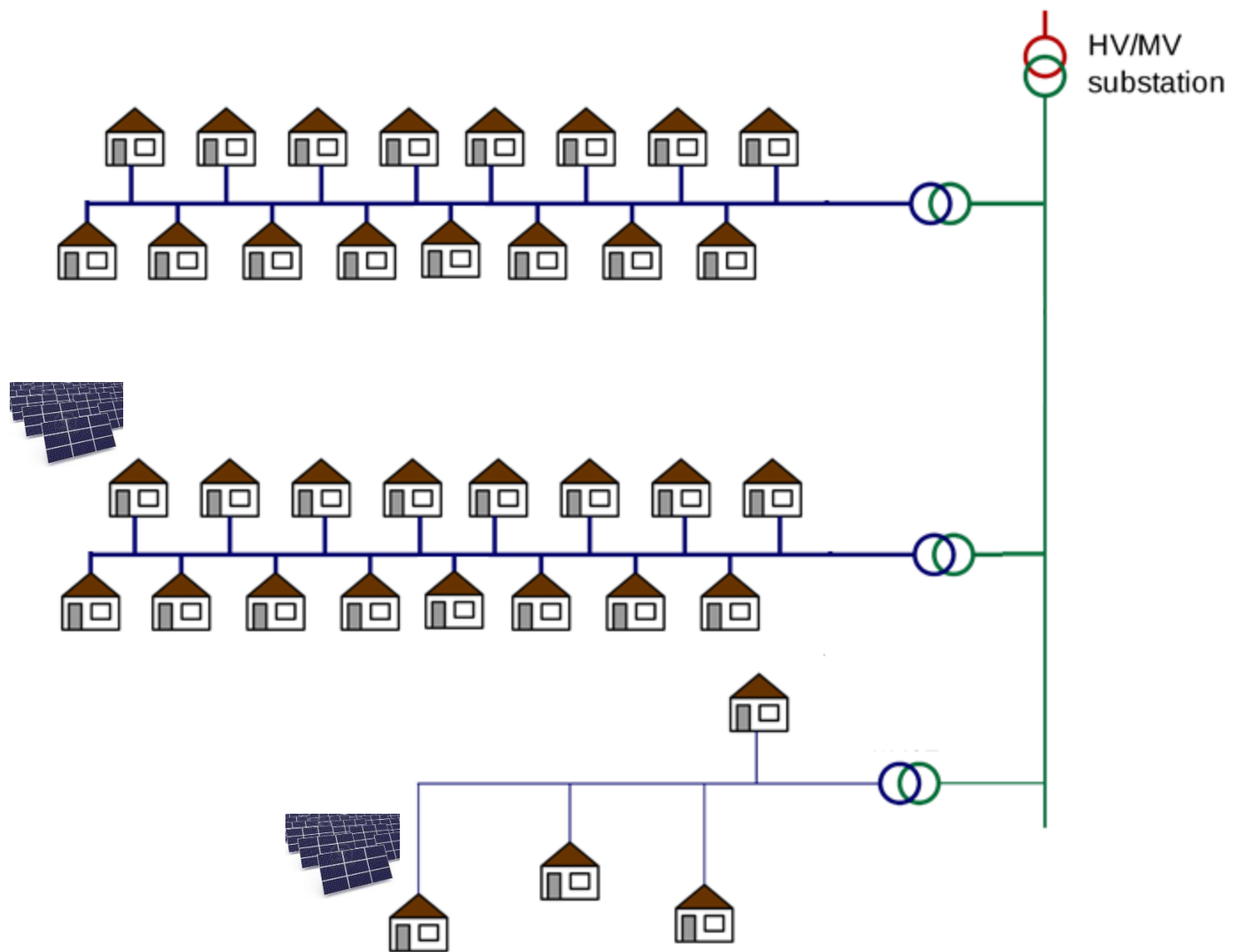


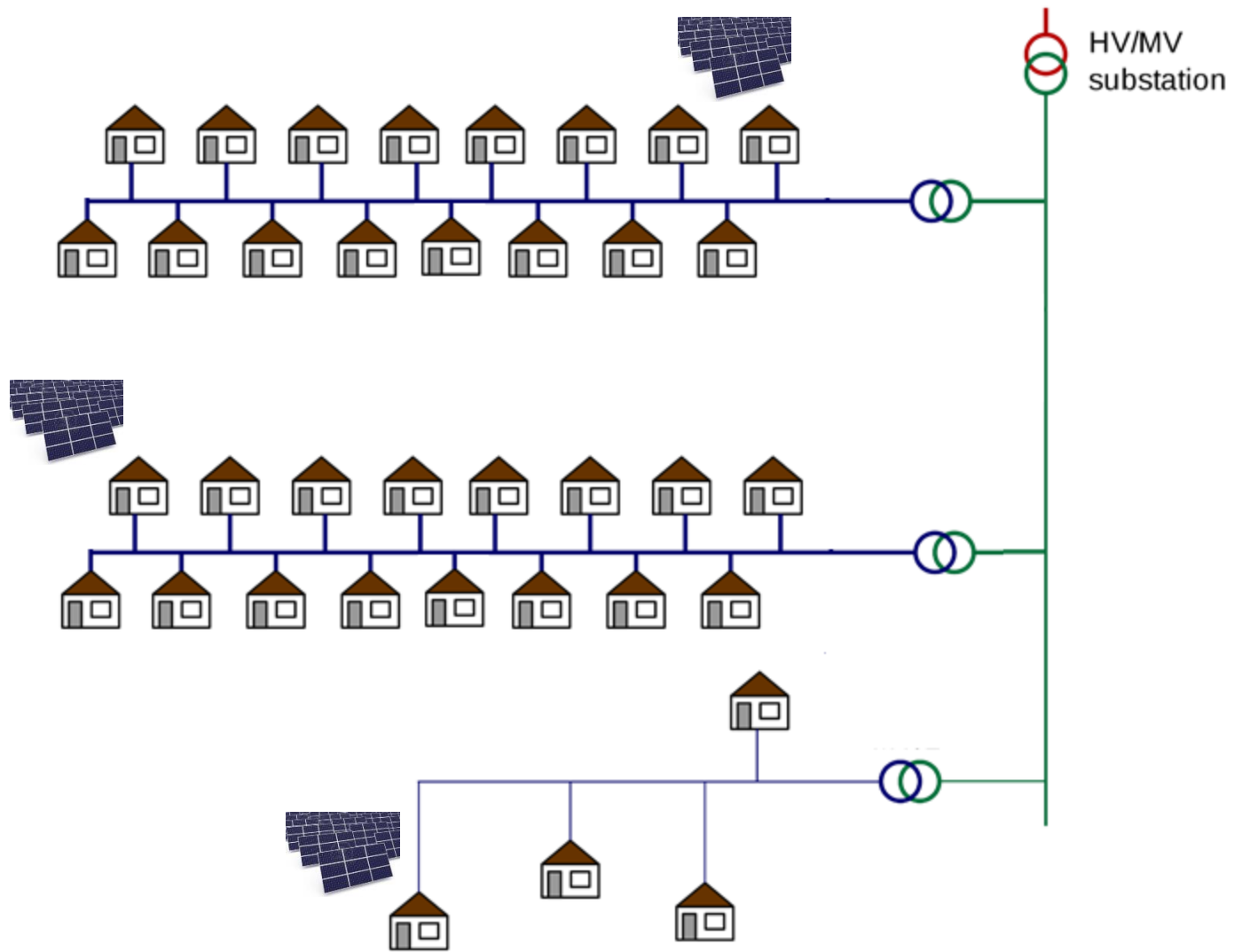
„Hosting Capacity“

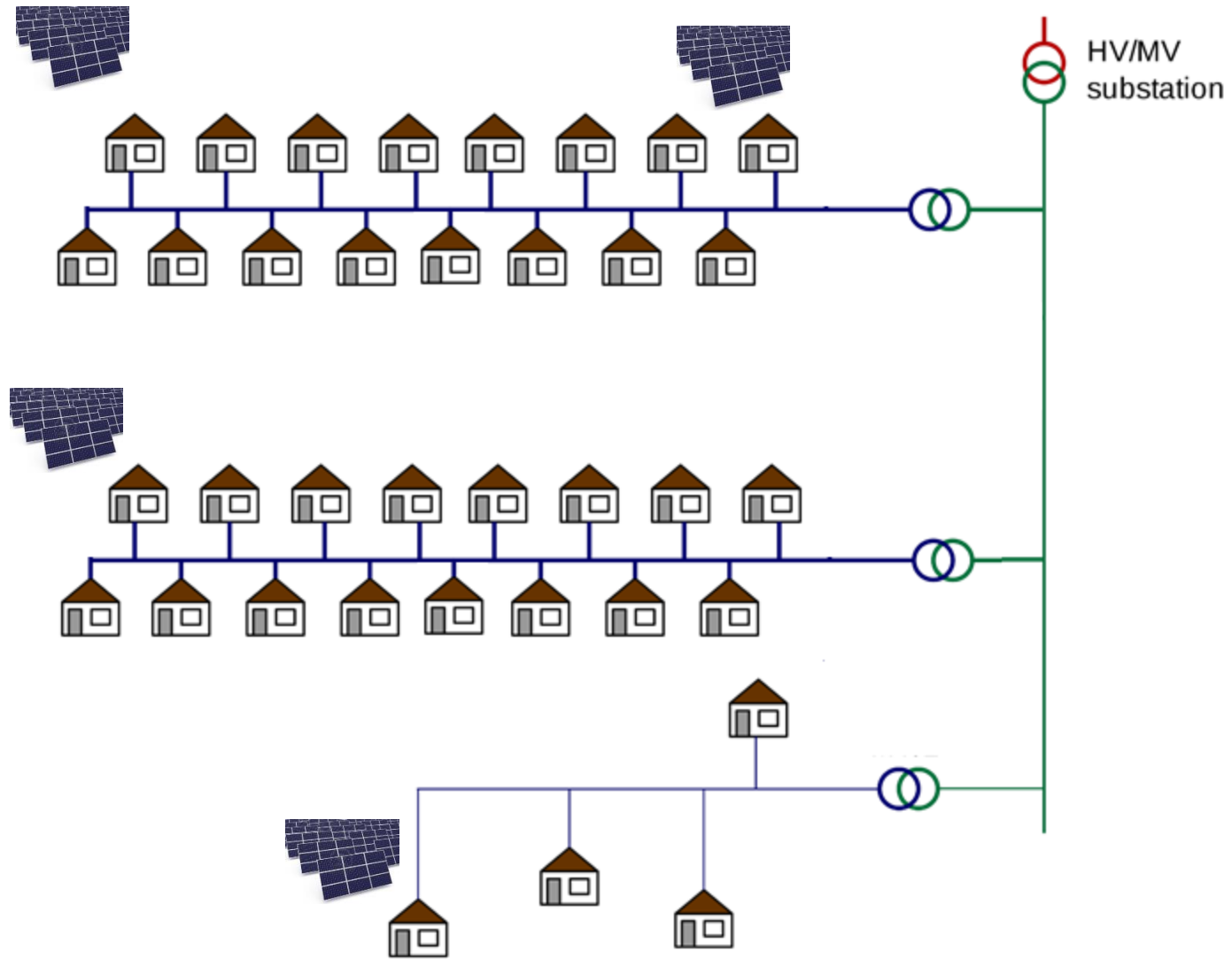


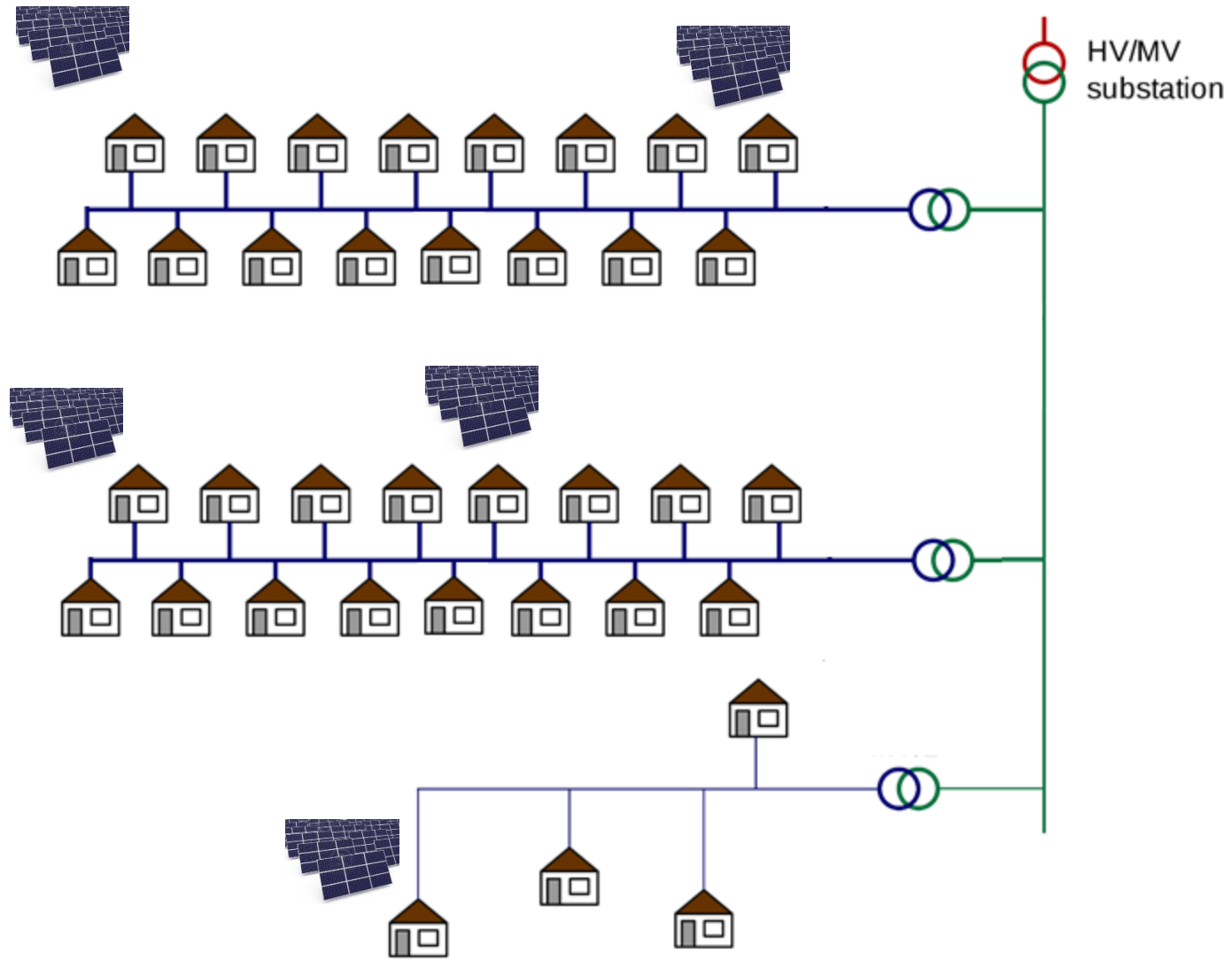


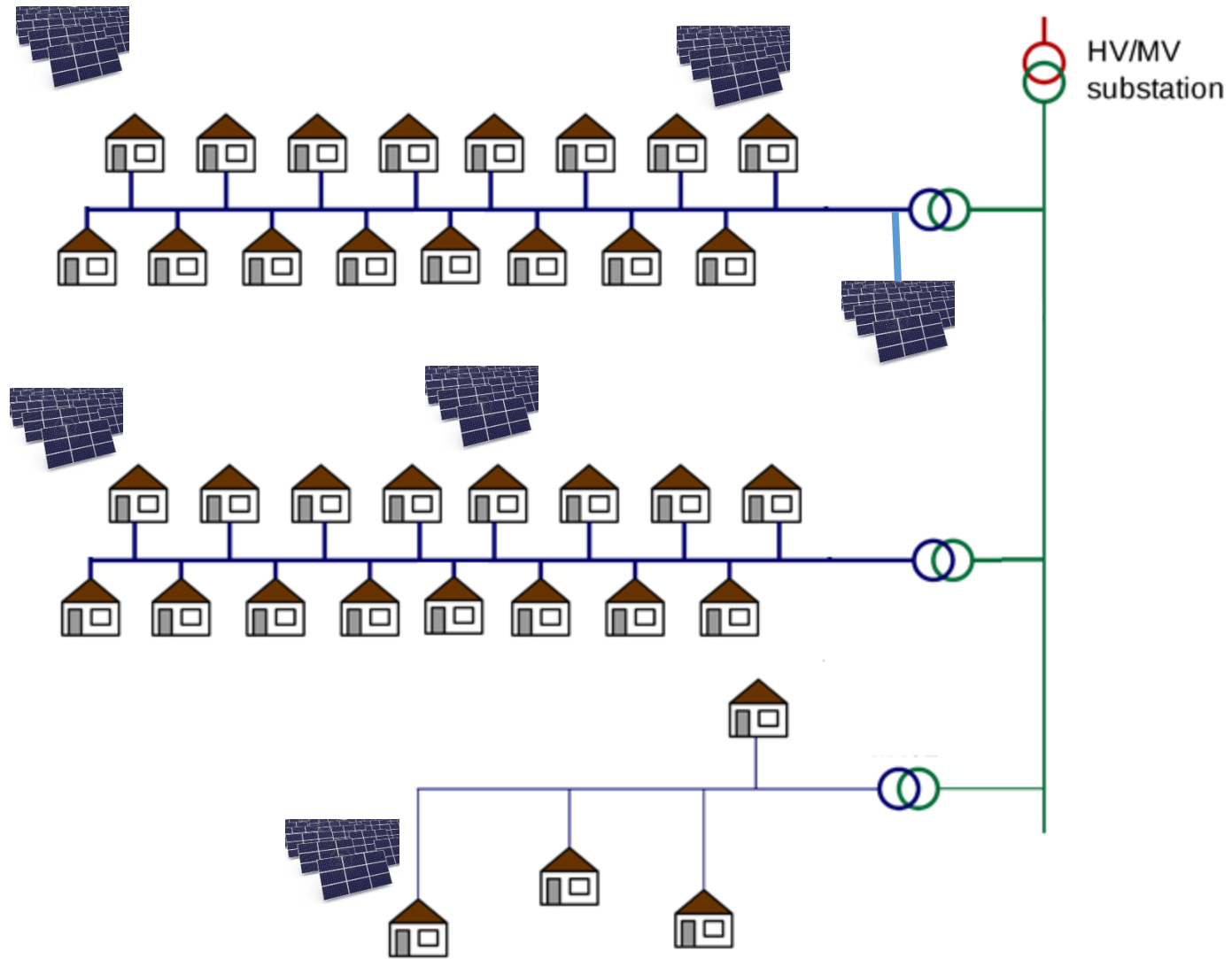


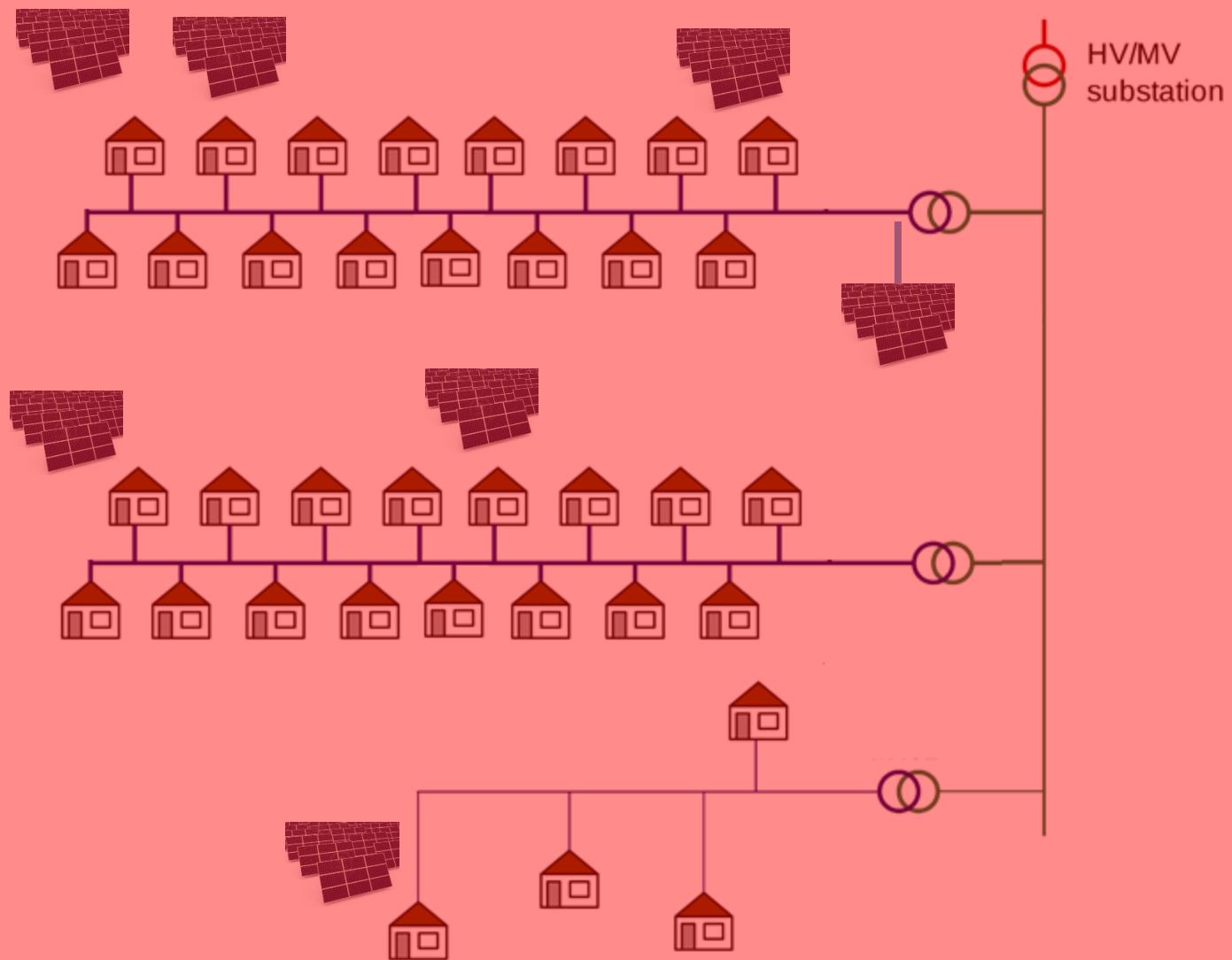






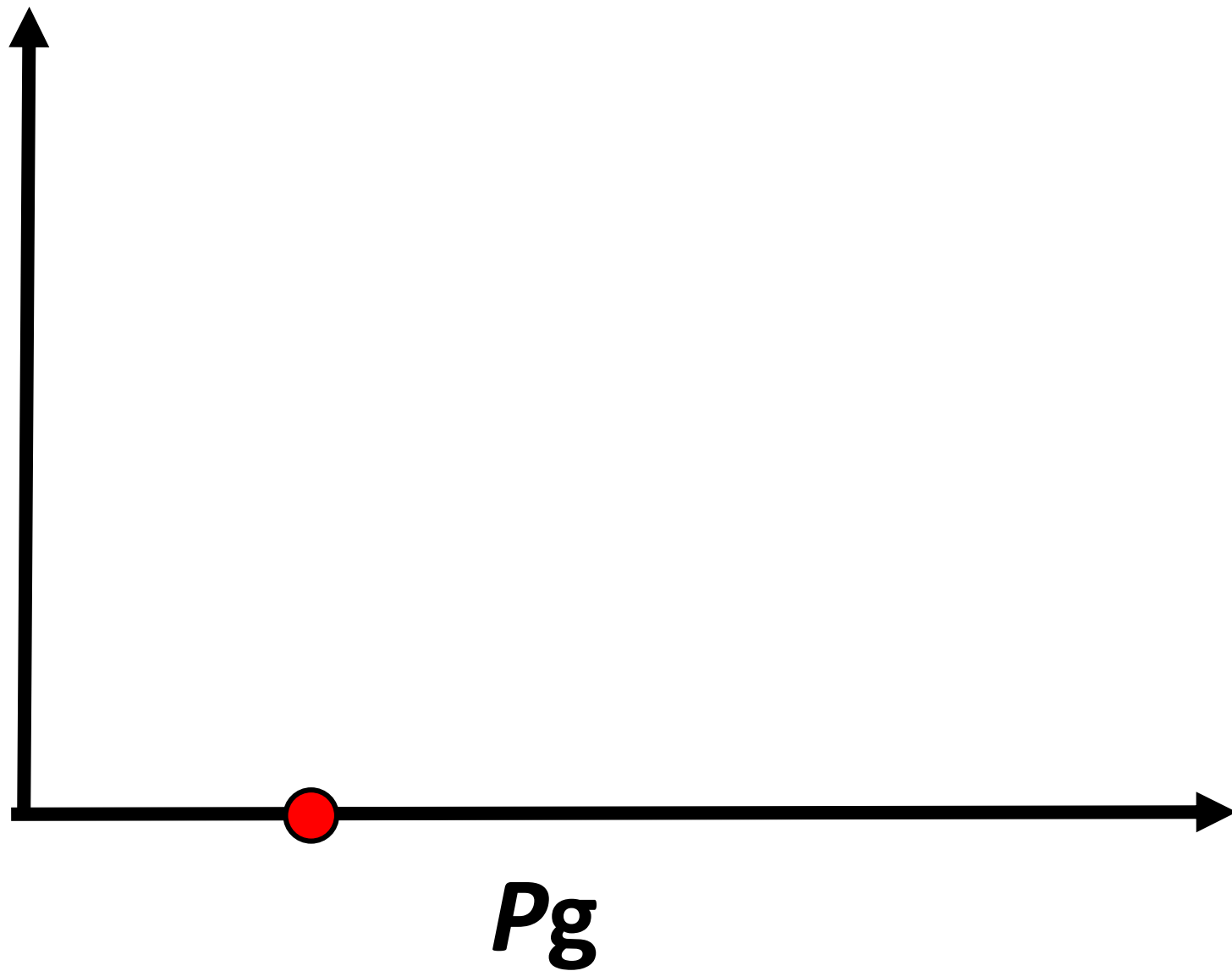


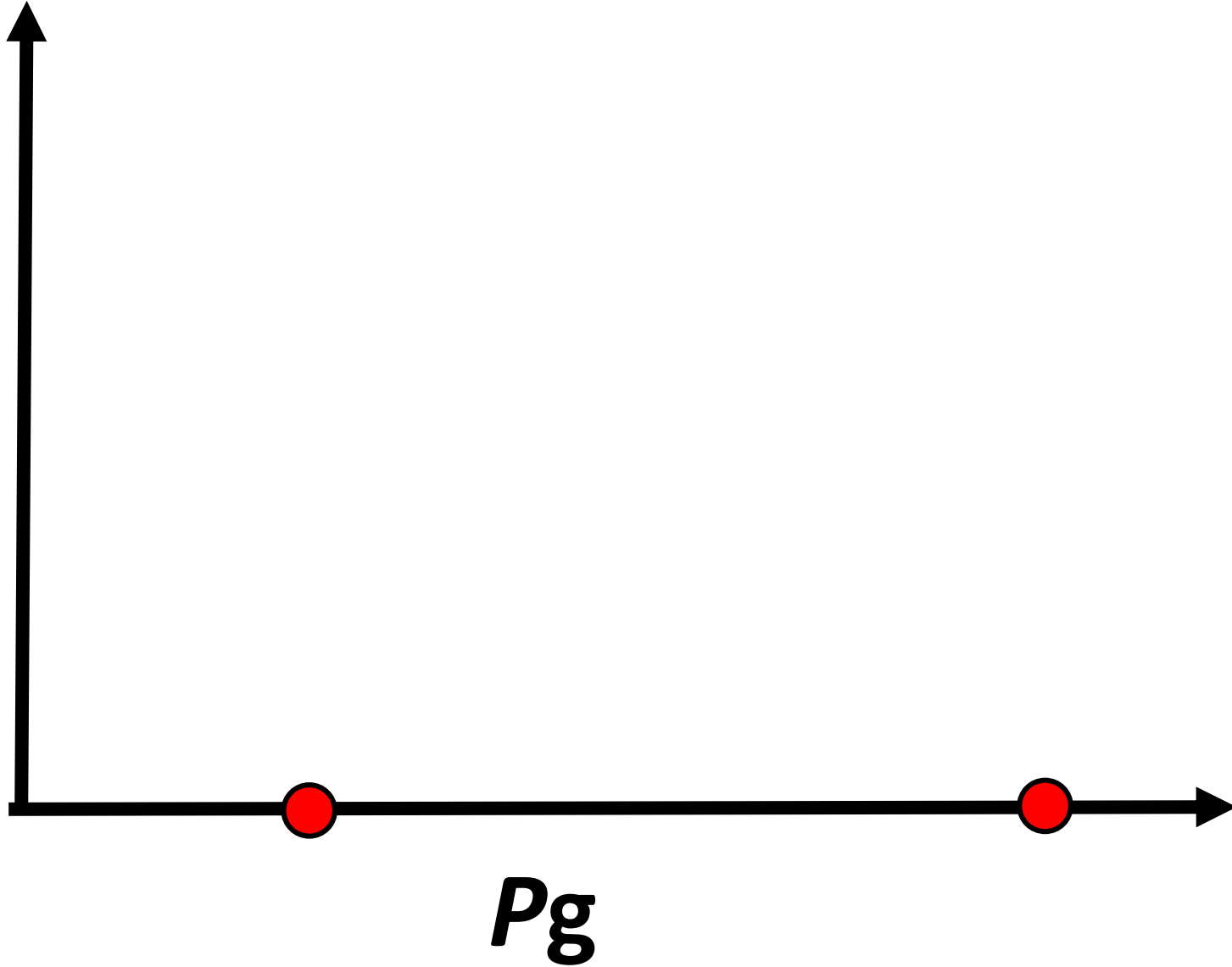


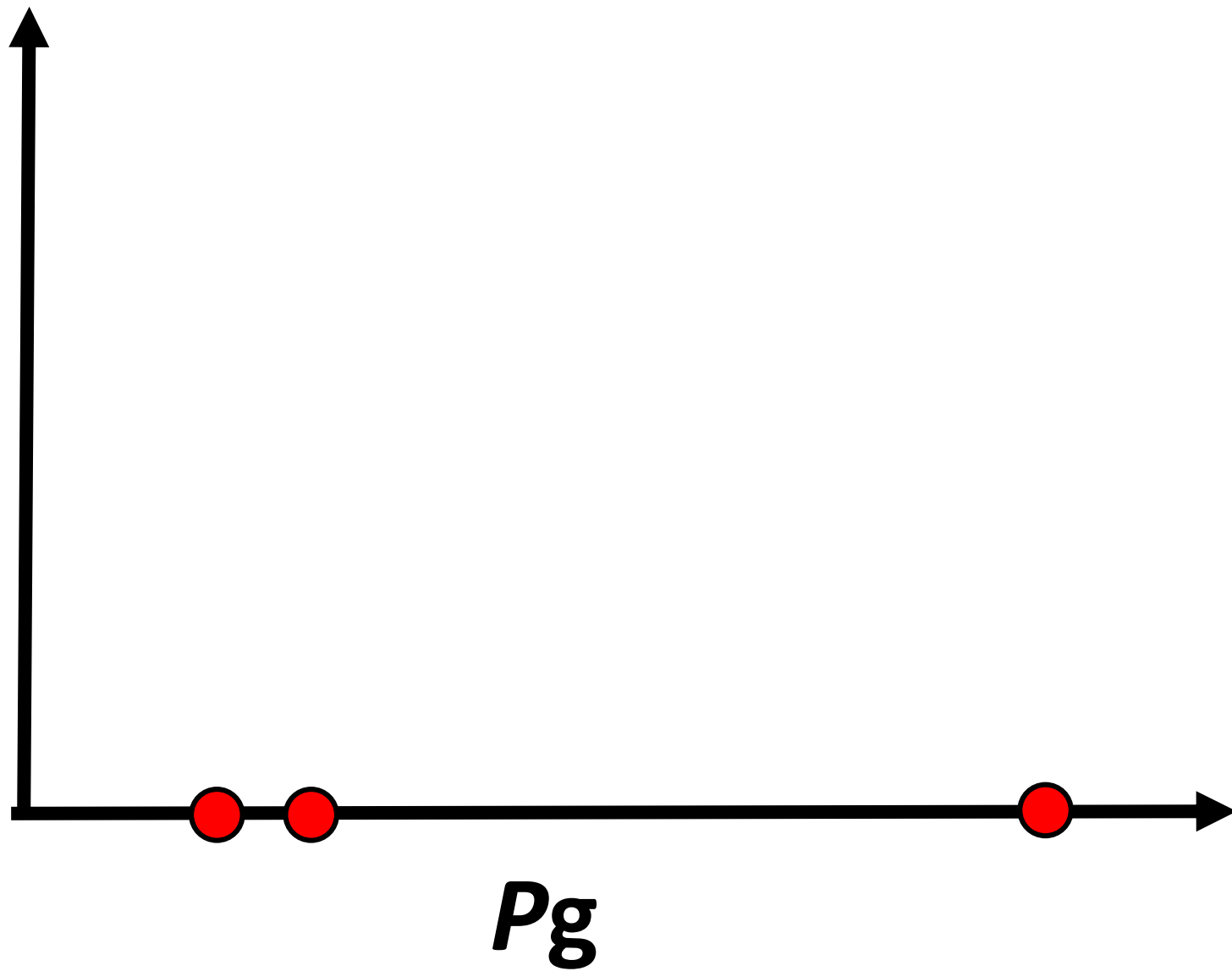


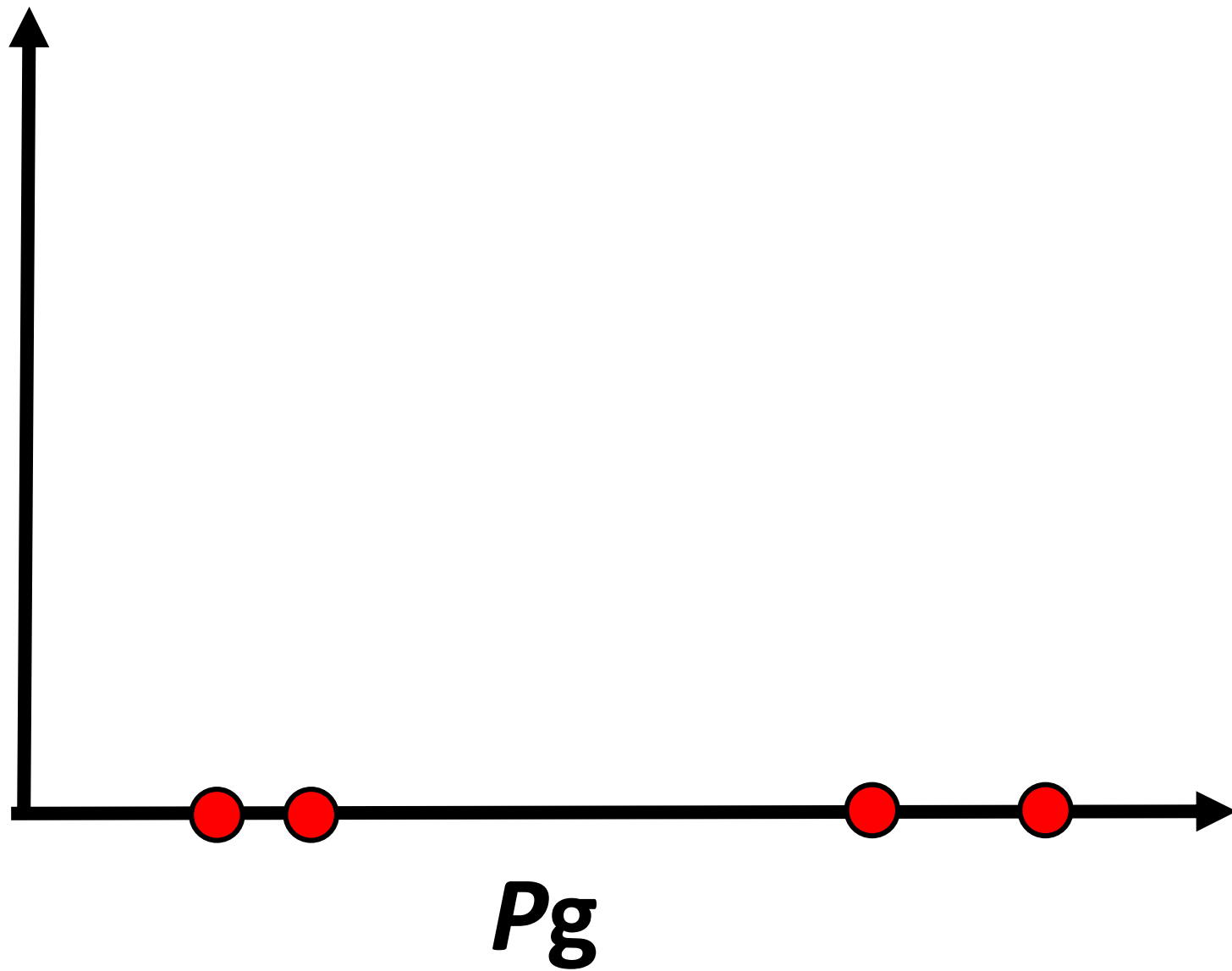


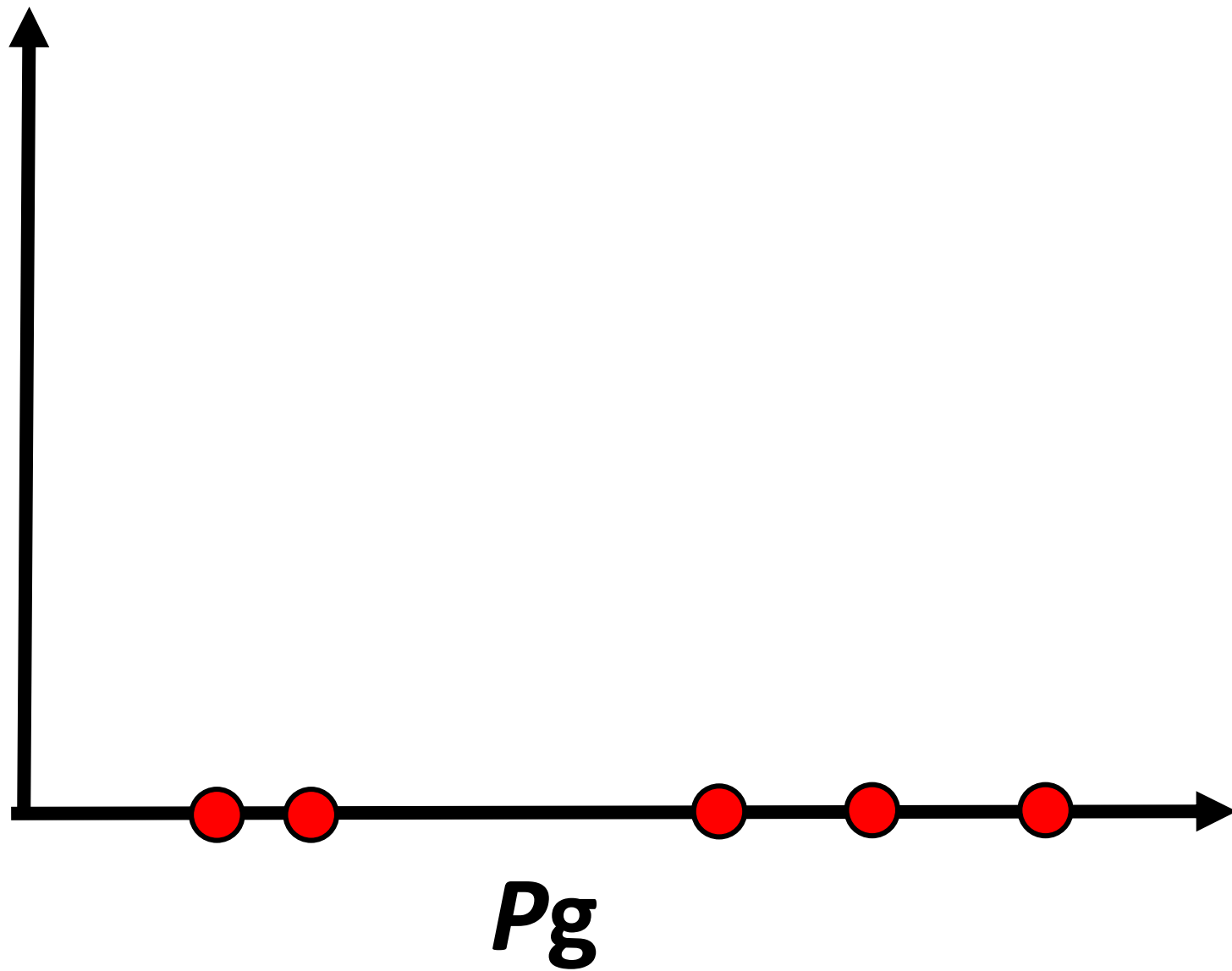
P_g

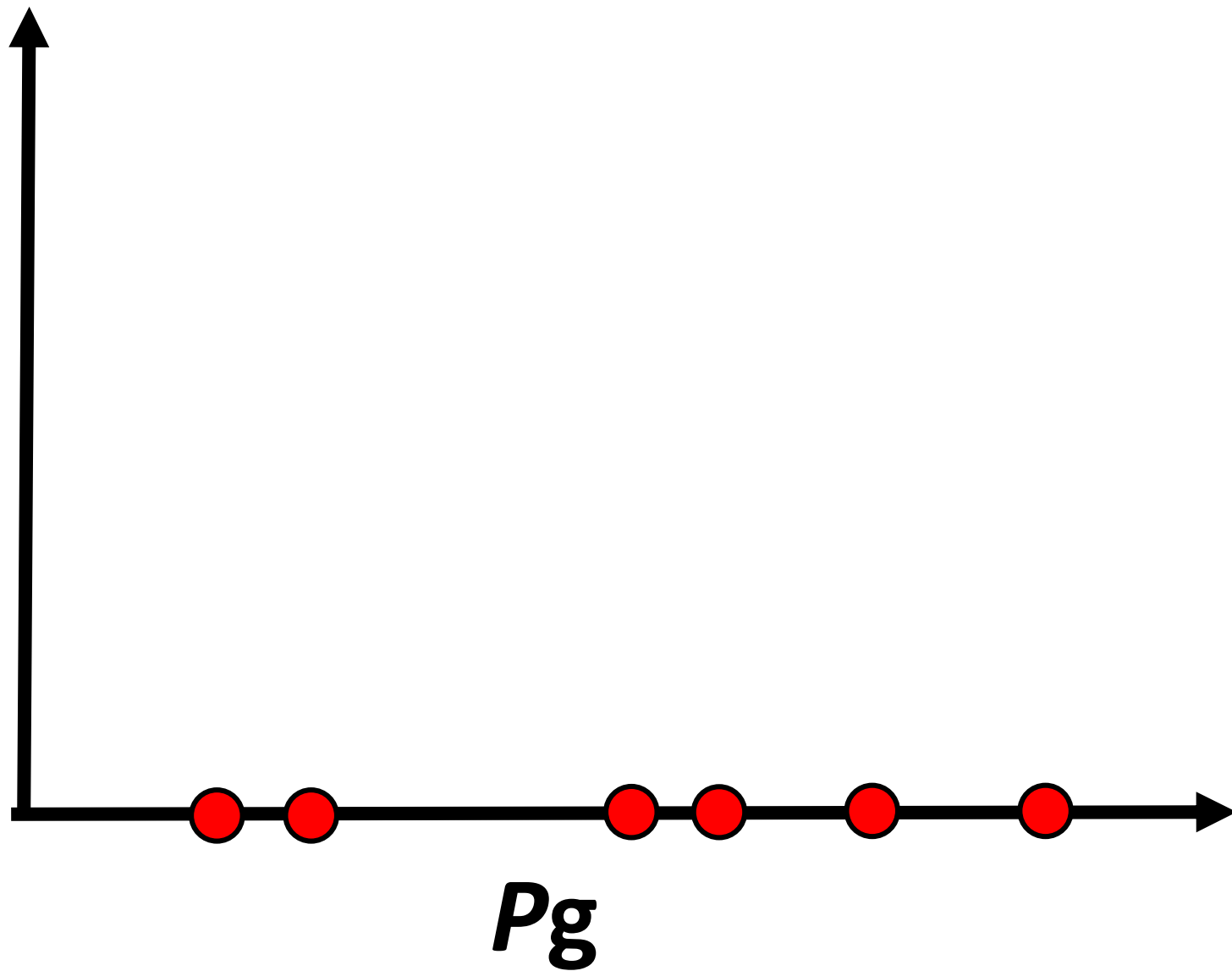


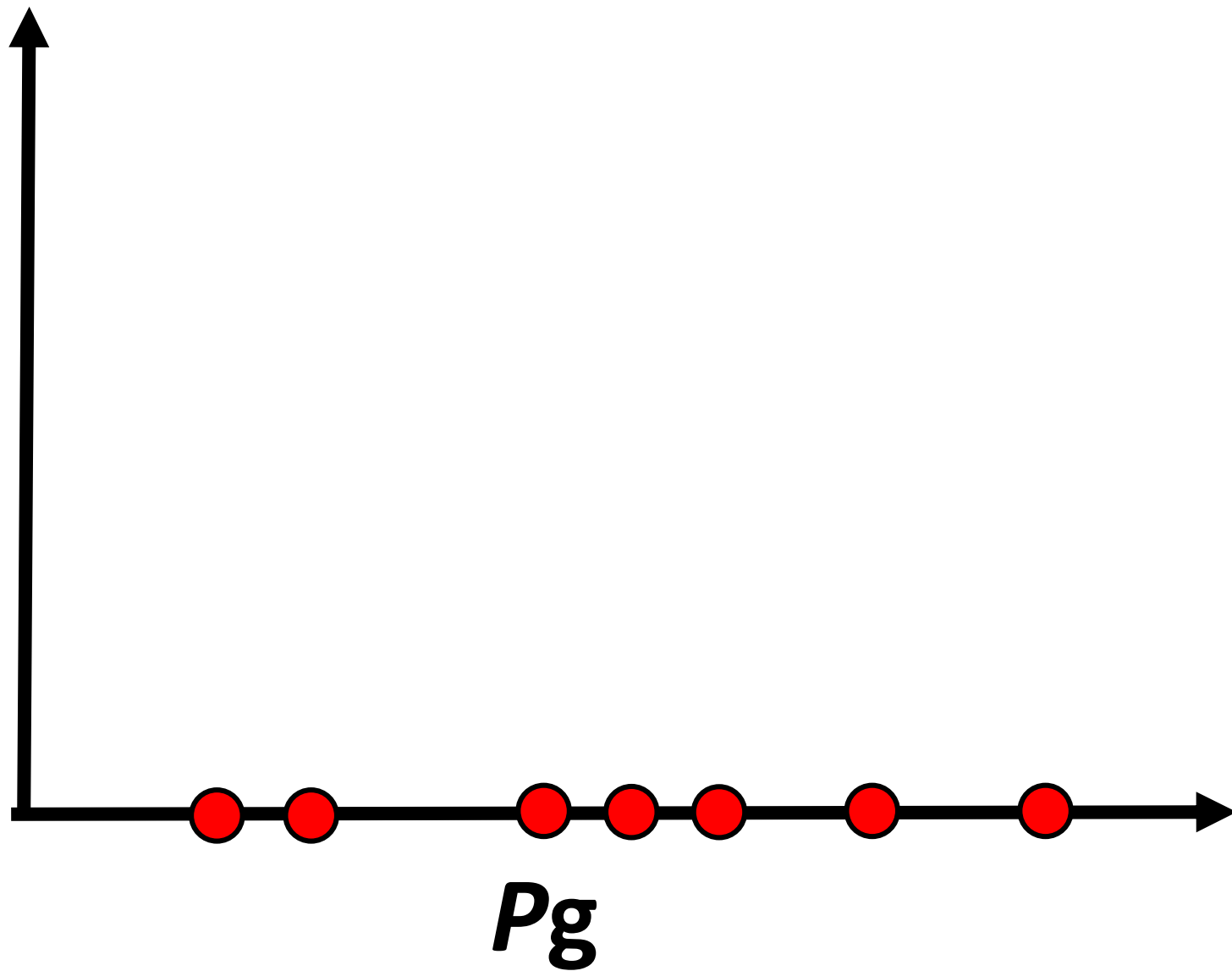


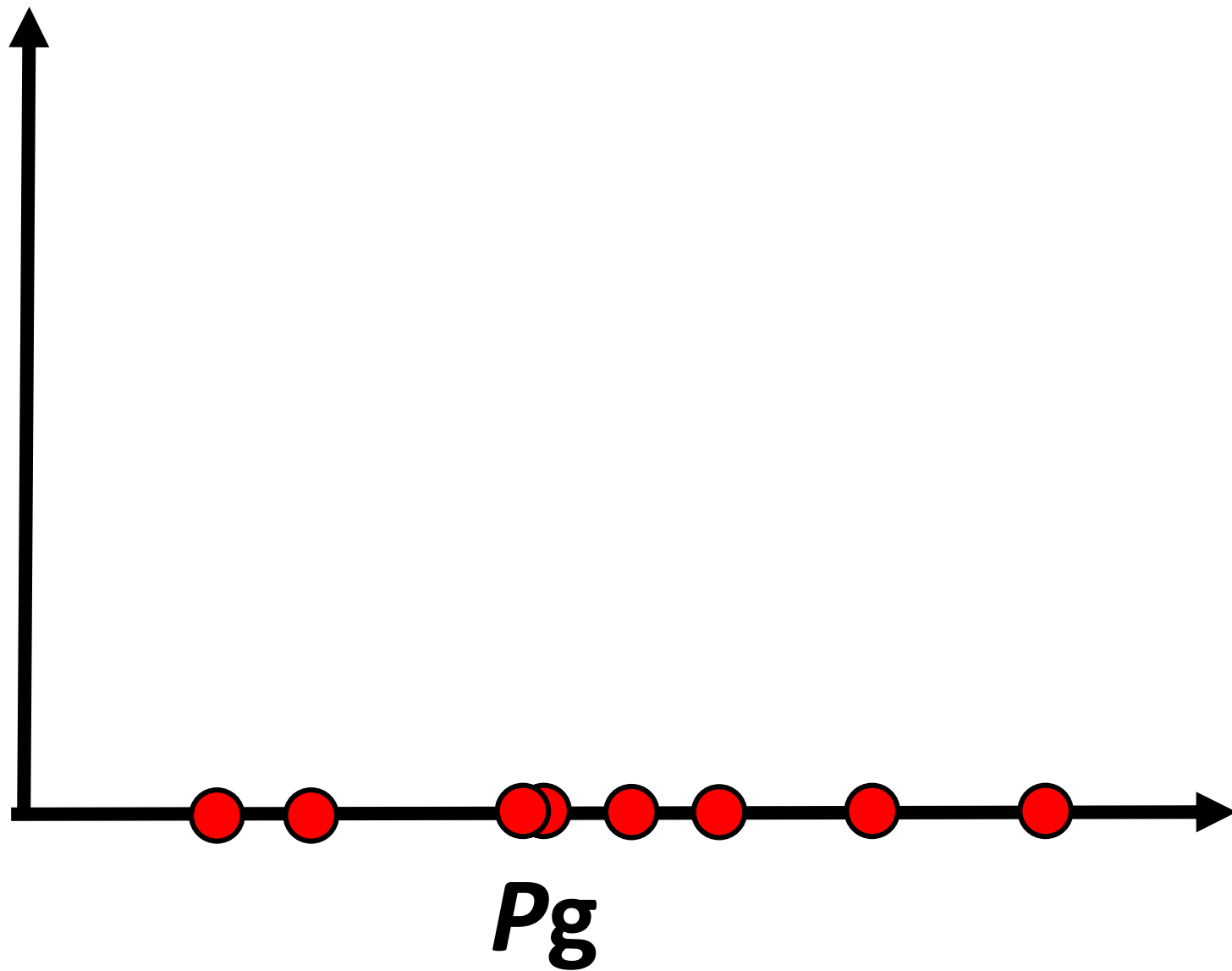


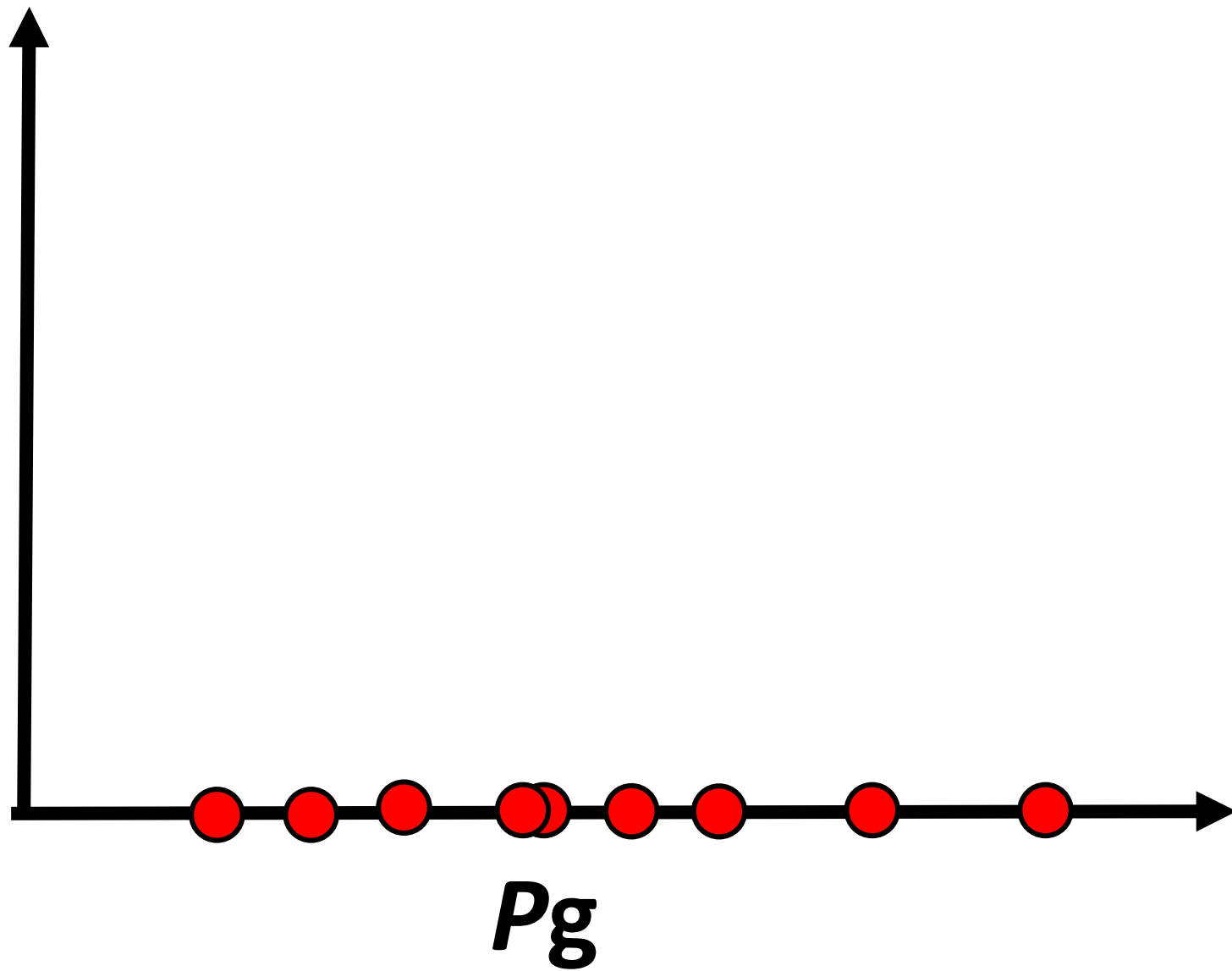


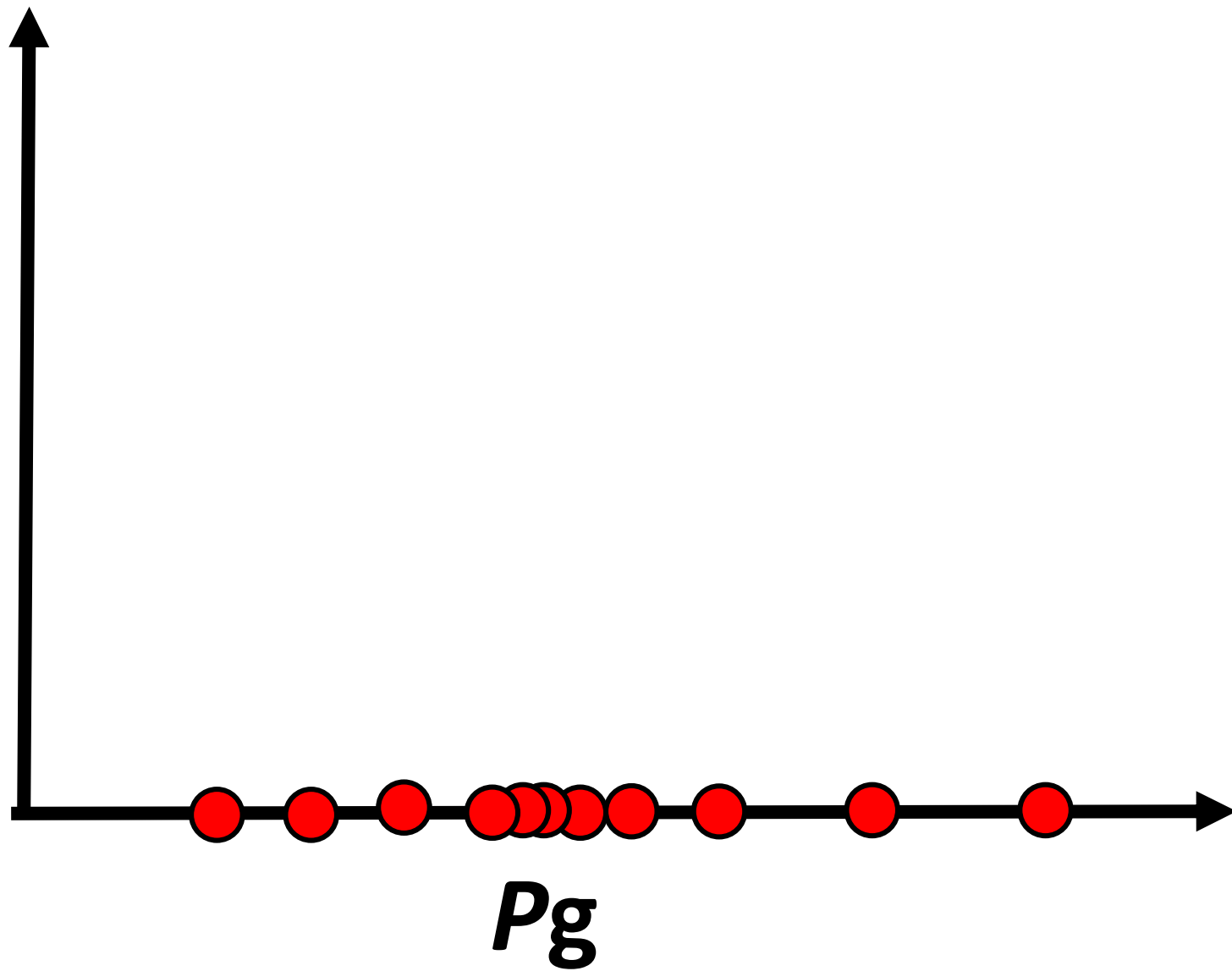


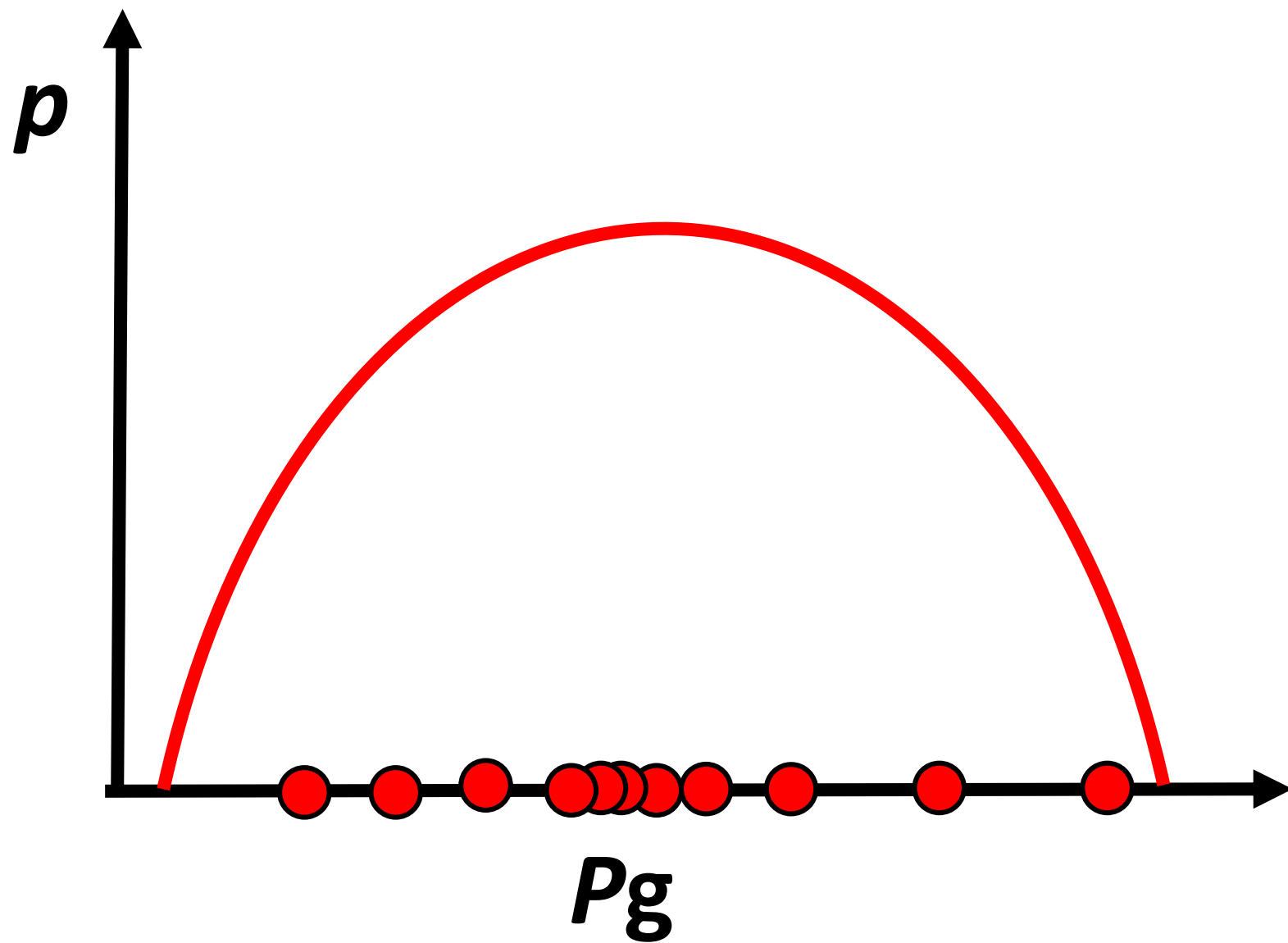


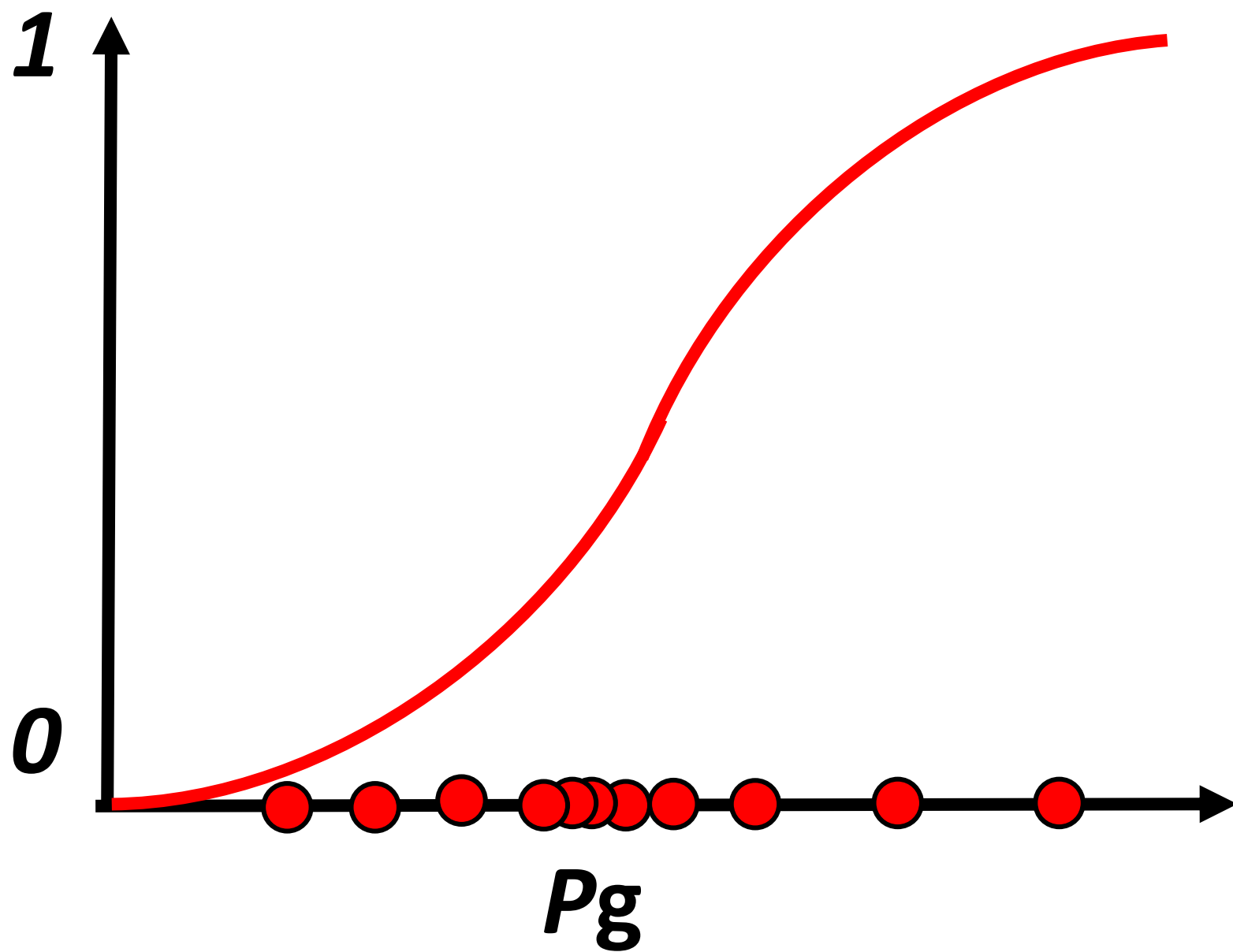


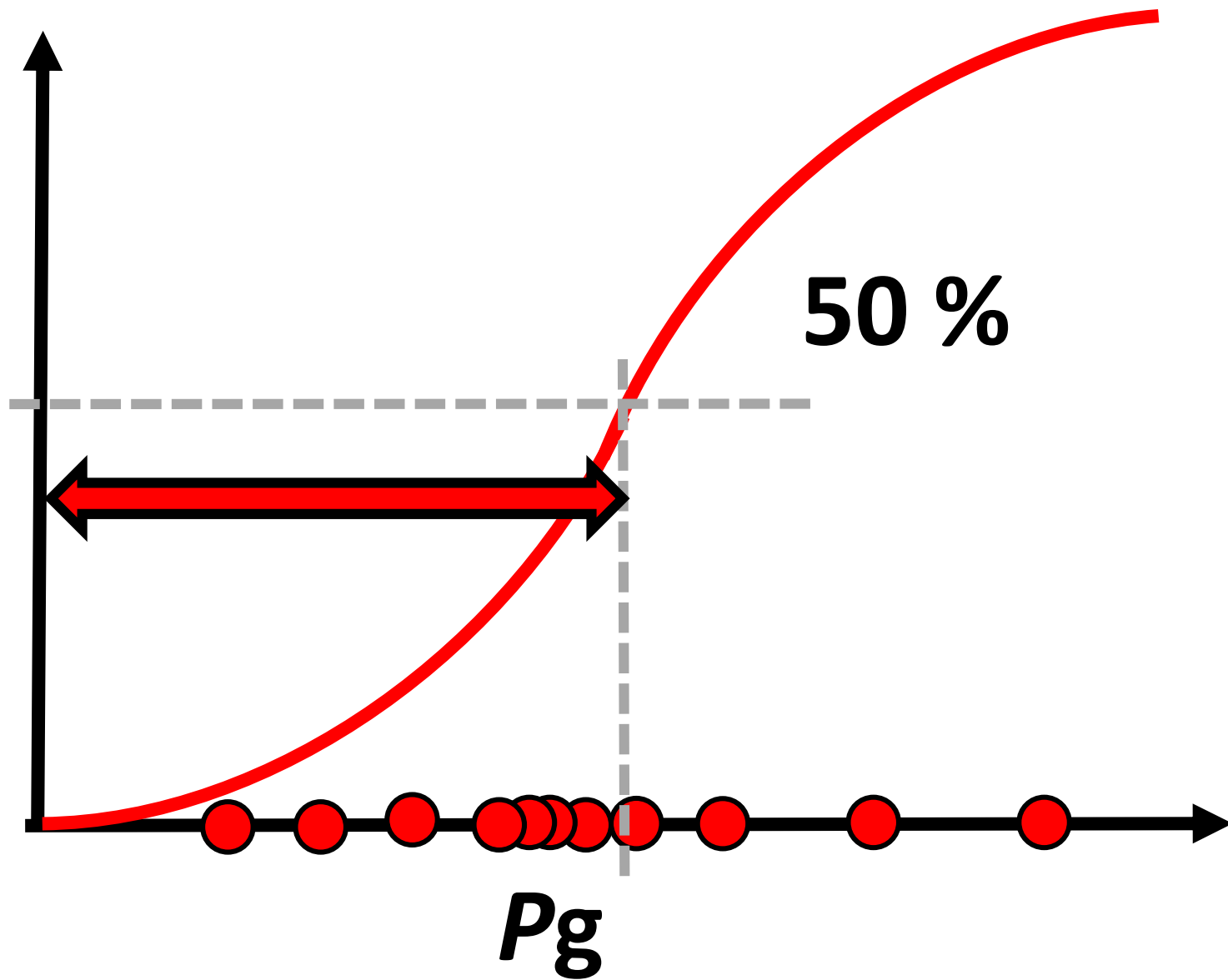


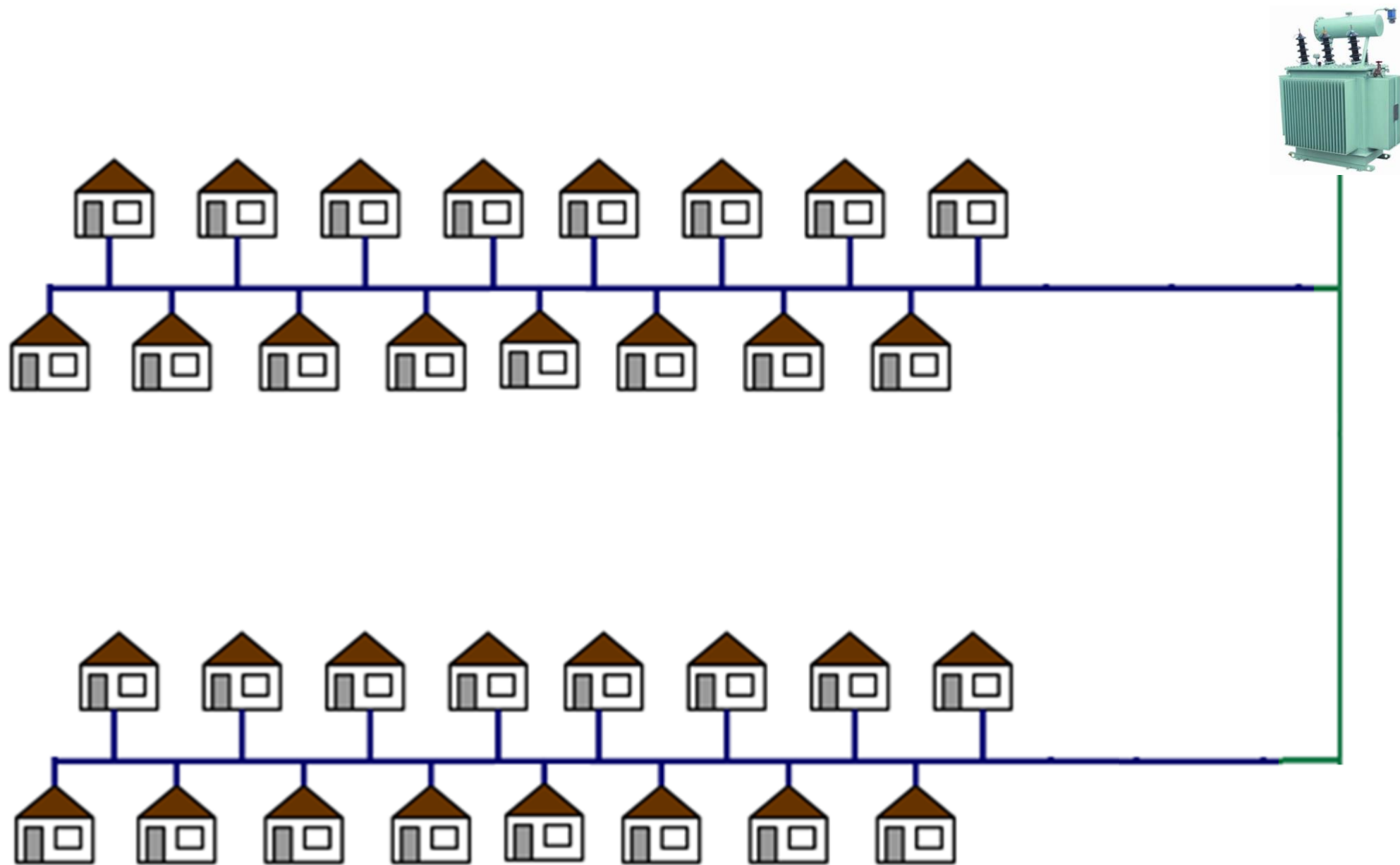


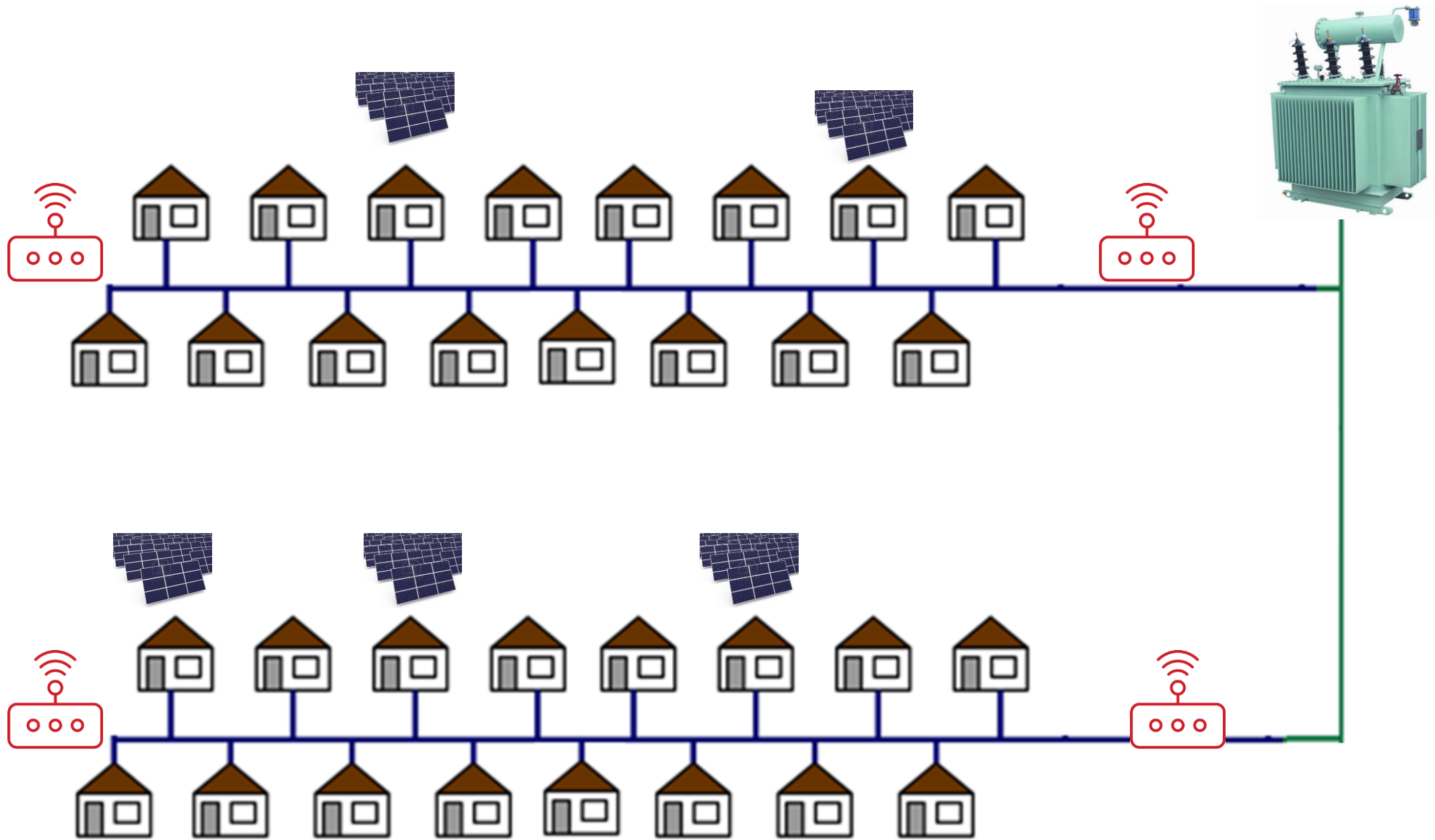


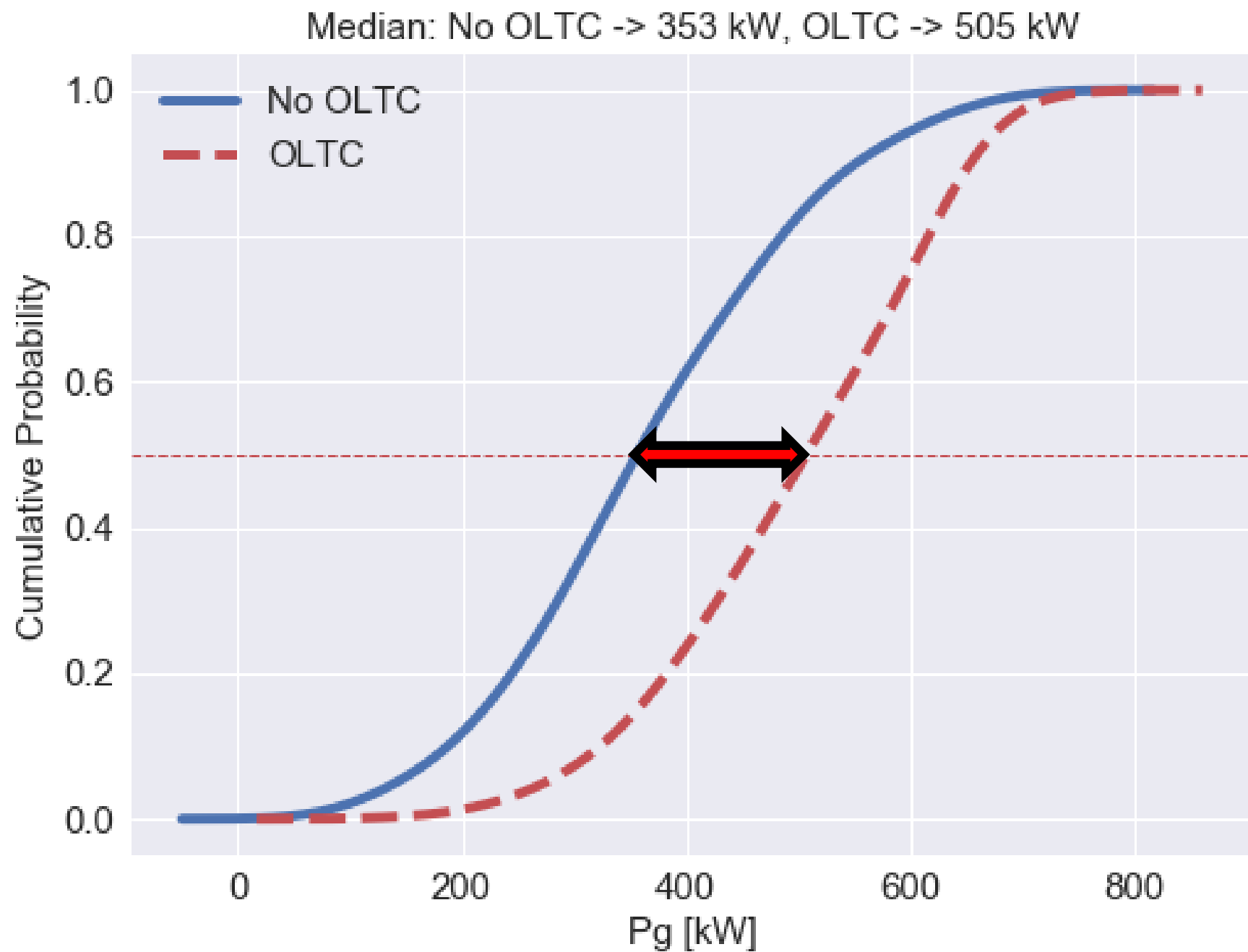


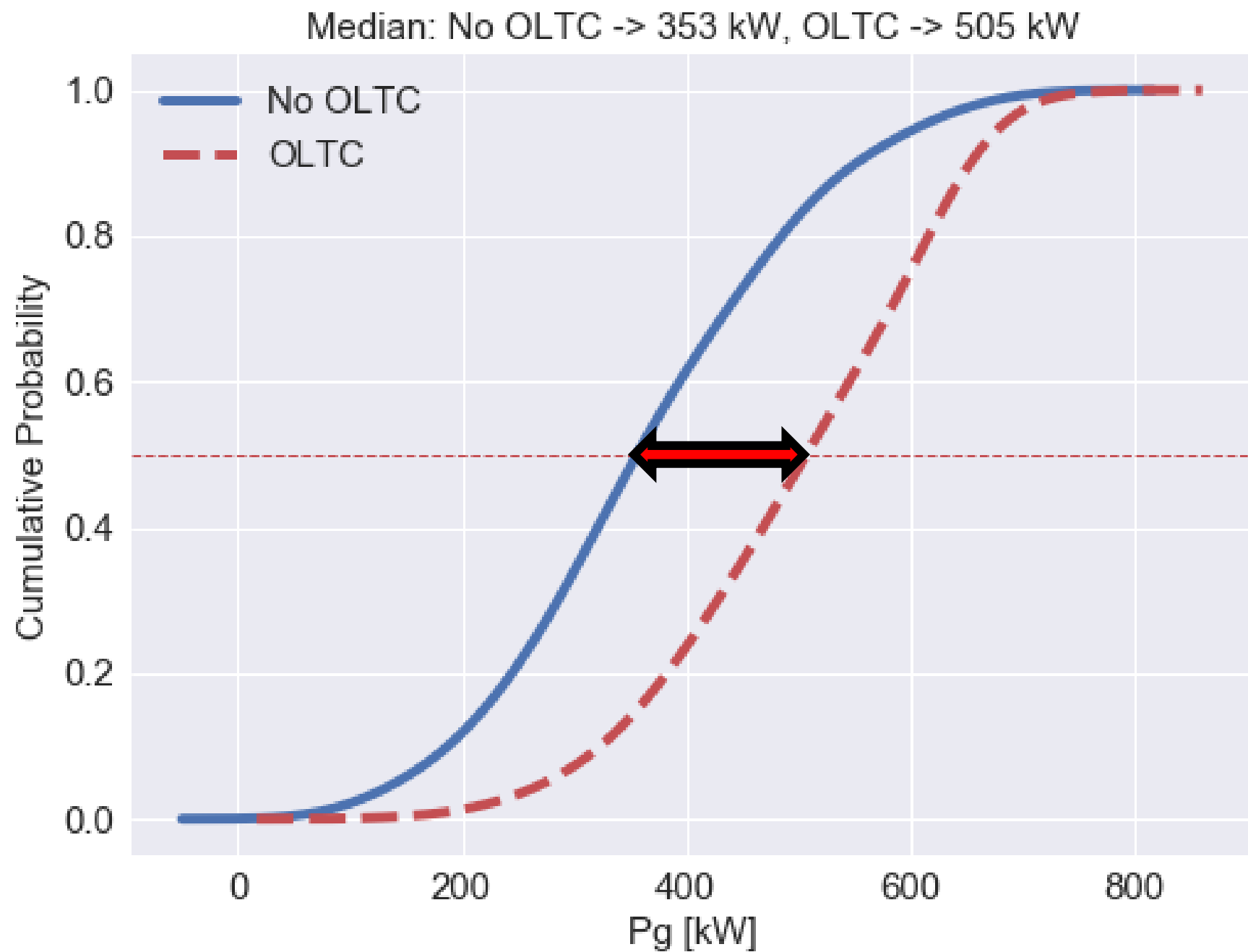












150 kW



