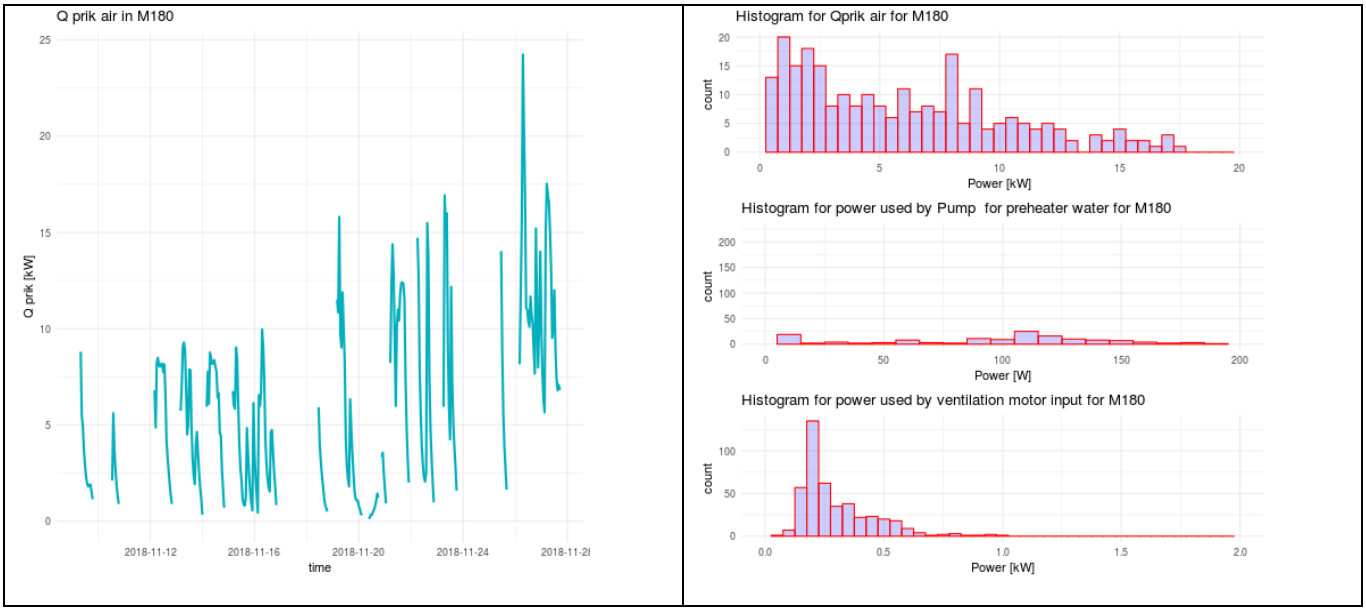
Big data and creating models for ventilations and pumps based upon measured data.

DTU diplom is cooperating with external partners (REMONI, DEM, AU) about data driven energy screening. At Campus Ballerup we are logging temperature data and power data on ventilation system, district heating, water pumps and ventilation system. All these data should be analysis and models should be created for the ventilations installations and pumps based on the data. We are also logging data from 6 electricity meters.

Are you interesting working on these data and be creative using R or Python and participating in this work either as a 3 week course or as a thesis for your Master or Diploma Eng. Project. Goal is making models for ventilations and pumps systems – to predict energy uses and operations and give feedback on abnormalities – further on how the ventilation system operate with respect of ventilation, uses of preheat compared to the outdoor temperature and the uses of the rooms

As example In the figure shows the power in the air let into two auditoria at DTU Diplom. This power is calculated based upon measurement of the air-flow in the ventilation channels and temperatures.



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