Soal:

Data ini terkait dengan penggunaan energy listrik untuk peralatan rumah tangga dan lampu. Tujuan pengumpulan data tersebut adalah untuk memprediksi besarnya penggunaan energy listrik berdasarkan data-data yang tersedia.

Input variables:

1. T1, Temperature in kitchen area, in Celsius
2. RH_1, Humidity in kitchen area, in %
3. T2, Temperature in living room area, in Celsius
4. RH_2, Humidity in living room area, in %
5. T3, Temperature in laundry room area
6. RH_3, Humidity in laundry room area, in %
7. T4, Temperature in office room, in Celsius
8. RH_4, Humidity in office room, in %
9. T5, Temperature in bathroom, in Celsius
10. RH_5, Humidity in bathroom, in %
11. T6, Temperature outside the building (north side), in Celsius
12. RH_6, Humidity outside the building (north side), in %
13. T7, Temperature in ironing room , in Celsius
14. RH_7, Humidity in ironing room, in %
15. T8, Temperature in teenager room 2, in Celsius
16. RH_8, Humidity in teenager room 2, in %
17. T9, Temperature in parents room, in Celsius
18. RH_9, Humidity in parents room, in %
19. To, Temperature outside (from Chievres weather station), in Celsius
20. Pressure (from Chievres weather station), in mm Hg
21. RH_out, Humidity outside (from Chievres weather station), in %
22. Wind speed (from Chievres weather station), in m/s
23. Visibility (from Chievres weather station), in km
24. Tdewpoint (from Chievres weather station), Â°C
25. rv1, Random variable 1, nondimensional
26. rv2, Random variable 2, nondimensional

Output variable (desired target):

27. Appliances, energy use in Wh
28. Lights, energy use of light fixtures in the house in Wh

Disediakan dua buah file:

1. Data_training.csv – untuk melakukan pelatihan
2. Data_testing.csv – soal untuk dikerjakan, dengan menghilangkan kolom no. 27 dan 28

Dipersilahkan kepada peserta untuk memprediksi output (kolom no. 27 dan 28) dari data_testing.csv tersebut dan tuliskan hasilnya dalam format excel yang terdiri dari 7.000 baris output dalam 2 kolom. Namai form excel tersebut dengan format NAMA_TIM_UNIV_KETUA_TIM.xls