

I. IDENTIFICATION DATA

Thesis title:	Clustering algorithms for power load profiles
Author's name:	Kussay Nadar
Type of thesis :	Bakalářská
Faculty/Institute:	FS
Department:	U12110
Thesis reviewer:	Matouš Cejnek
Reviewer's department:	U12110, FS, CTU in Prague

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment <i>How demanding was the assigned project?</i>	A

Fulfilment of assignment <i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	C

Methodology <i>Comment on the correctness of the approach and/or the solution methods.</i>	B

Technical level <i>Is the thesis technically sound? How well did the student employ expertise in the field of his/her field of study? Does the student explain clearly what he/she has done?</i>	B

Formal and language level, scope of thesis <i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	B

Selection of sources, citation correctness <i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	A

Additional commentary and evaluation (optional) <i>Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.</i>	

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE



THESIS REVIEWER'S REPORT

The student researched and described the topic in a nice way. However, the presentation of the experimental results is sometimes confusing.

Comments:

- Some figures miss the axis labels (Fig. 13), or the label is hard to read and/or understand (Fig. 9), or the units in labels are not provided (Fig. 6).
- Some figures are hard to understand without reading many sections before they appear (Fig. 11 - 13). It would be better to provide a longer, more detailed description close to the figures.
- It seems to be hard to get any information from the 3D plot (Fig. 15).

Questions:

- Why do you use the 3D plot? Is it possible to use a better alternative on how to display the data in this specific case?
- What is the limitation of the DBSCAN for this given example? How many data points are possible to process with standard machine resources?

The grade that I award for the thesis is **B**

Date: **21.8.2022**

Signature: