

Feedback from Supervisor Summary

All feedback collected from supervisor during meetings and email communication during Master Thesis project development.

Date: 2024-02-13

Feedback:

Optimization:

Optimization is a critical term that requires mathematical support. If used, it needs to be framed as a min-max problem with clear proof of optimality.

Research Methods:

The research methods are well-defined and clear in their intent.

New Solution:

Inquired about the conceptualization of the new solution. Do you have a preliminary idea of what it will entail?

Selection Criteria for Papers:

Clarification needed on the selection criteria for papers, particularly regarding the availability of full-text online versions.

Date: 2024-02-19

Feedback:

Thesis Topic Phrasing:

Suggested using phrases like "Research of...", "Investigation of...", for efficiency improvement, to refine the thesis topic.

Dataset Preparation:

Start with preparing a description of the available dataset.

Explore new algorithms not previously applied to fraud detection to demonstrate their efficacy.

Consider hybrid approaches by combining algorithms to show improved performance.

Modify known algorithms to fit the specific dataset type if needed.

Compare algorithms as an essential task.

Inspirational Thesis Example:

Referenced an example master's thesis on predictive methods for anomaly detection for inspiration.

Suggested familiarizing with the "Numenta Anomaly Benchmark" (NAB) and examining its procedures.

Date: 2024-02-19

Feedback:

Reminder to submit thesis abstract for RaTSiF conference by March 8th.

Conference presentation scheduled for April 19th.

Date: 2024-02-07

Feedback:

Appreciated the effort put into the content.

Added necessary information for the thesis and reminded to include your email.

Date: 2024-04-17

Feedback:

Presentation:

Slides 2 and 3 should be swapped for better flow: start with the problem and then present the solution (goal and objectives).

Use different colors on slides 5 and 6 for differentiation.

Slides 7-8 need a data source for clarification. Confirm if "Amount" is one of the features.

For slide 10, specify laptop characteristics (e.g., processor) instead of just "Normal laptop".

Date: 2024-04-22

Feedback:

Overall positive feedback on the conference preparation.

Suggested making the introduction and relevance clearer.

Mentioned that additional information related to the master's thesis will be included during the defense, which will be discussed later.

Date: 2024-04-22

Feedback:

Discussion on terminology: The term "Traditional Methods" is acceptable but be prepared to justify it if questioned. Alternatively, use another term to avoid potential issues with the committee.

Date: 2024-05-16

Feedback:

Abstract Formatting:

The abstract for the thesis should follow a different format from the conference abstract.

Example provided for structuring the abstract with keywords and detailed content.

Date: 2024-06-01

Feedback:

If the thesis references code or other materials, they should be included in the Appendix. If the code is supplementary, providing a link is sufficient.

Date: 2024-06-03

Feedback:

Abstract:

Avoid references in the abstract. Rephrase content to eliminate them. Annotations should be written in your own words without citations.

Tasks/Objectives:

Ensure consistency in style: use action verbs (e.g., review, compare, investigate) instead of nouns (e.g., analysis).

Algorithm Sensitivity to Dataset Size Reduction:

Clarify the graphs in section 4.4 by labeling the x and y axes.

Figures 26-34 should be more explanatory. If recall/accuracy/precision results are too similar, consider including them as an appendix.