<< Comment>>

* ~~Basically, it is appropriate to summarize by focusing on subheadings.~~
* [Updated 10.29.2023**] Might need to reorganize the subheadings and omit some unnecessary subheadings.**
* In relation to the thesis of the paper, the definition and explanation of each major concept is expected to be the most important part of the presentation.
* Points of criticism to the author's claim will be points out other claims or limitations that question the validity of the algorithm.
* At least in the presentation, it is sufficient to mention only the results of each test, but it is necessary to mention the core of the algorithm developed by the author.
* [Updated 10.29.2023] Since there are many explanations through algorithms, **there is a need to reorganize the summary in a more visual way**.

<< Findings of the paper>>

ABSTRACT

* Basically, this is a summary of the paper.
* Therefore, only to include summary of thesis development plan and claim found in this part.
* This is an unimportant part of the presentation.

1. INTRODUCTION

* Serve as an actual summary of the paper.
* In general, it mentions the motivation of the author and the benefits of his findings.
* Future development of the paper.
* In a presentation, this part can be cited as the opening.

1. DEFINITIONS

* Should be the most important part of the paper (since an accurate understanding of each concept is essential for the audience for this paper).
* Key Definitions: Rule-based explanation, counterfactual explanation, duality, and the duality theorem, and algorithms developed from writers (GeneticRule, GeneticRuleCF, GreedyRuleCF)

1. Duality

- From the perspective of clarifying concepts, definitions are the most important part.

- In presentation, it may be included as part of the explanation of each concept, or it may be treated independently because it is important.

1. ALGORITHMS

* In the interest of time, it would be best to explain the algorithm mainly in terms of principles.
* Since the paper does not have a very long scope, it is expected that it can be summarized comprehensively.

1. EXPERIMENTS

* This is an area where many omissions are expected in the presentation. (In fact, it is desirable for the presenter to mention that detailed procedures are somewhat omitted.)
* In the presentation, the overview of the test and the degree of the test results should be compared and mentioned.

1. LIMITATIONS AND FUTURE WORK

* Since this is the part in which the author himself mentions his own shortcomings, it would be good to include an argument that mentions the limitations of the algorithm.
* The author's future plans can be omitted from the presentation.

< Suggestion of presentation procedure>

1. Introduction: Motivation, Limitations found from previous theory, the claim from the authors of the merits of their findings.
2. Key definitions from the paper, Rule-Based Explanation, Counterfactual Explanation, Duality, and the duality theorem, and algorithms developed from writers. (In some cases, we need to add some analogy)

**[Updated 10.29.2023] Should need some visualization for the algorithms.**

1. Duality Theorem and Application: Briefly introduce the theory and mention what purpose it is used for and what it has proven.
2. Algorithm: What algorithms were developed and how they work Experiments – mainly mention the test results and further explanation of the properties of some test.
3. Limitations and Findings The limitations of the algorithm, including those mentioned by the author, are discussed. We also mention what we discovered in this paper.
4. Conclusions We conclude by citing the author's comments on the latest machine learning trends and our team's conclusions about the implications of these findings regarding data provenance.