Class on Fairness in
Artificial Intelligence
AI Master, first year

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Paper Reading Report of:
Title of the chosen chapter(s)

The authors names here
Prepared by: Your Names Here

INTRODUCTION

(1) PRESENTERS

Who are you? Introduce yourself, your names, where you came from, your hobbies, some photo(s) of you.

Add a joke or a cartoon to get the attention of your audience!

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Propose a better alternative title for the paper; Propose a list of keywords.

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What is the subject matter of the chapter? Describe the problem addressed in one or two sentences.

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Why is the problem addressed important or interesting? Describe one or two applications or relation to current issues.

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Why did you choose to review this chapter?

How does the subject of the solutions relate to what you are personally interested in?

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PRINCIPAL CONTRIBUTION

Give an important quote of the text that everyone should know.
Give an idea of the central people of the idea. Did their lives relate to their ideas?

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What is the principal contribution of the paper?
How (or how much) did it change the thinking or the state-of-the art at the time of writing? Was the idea invented before? (if so, cite your sources).

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What is the degree of generality of the idea? Does it apply to other domains within and beyond AI? Mention limitations.

Are there better alternative approaches? Has the state of the art been surpassed since the idea appeared? Justify your answer(s).

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What key conceptual figure helps most understand and remember the key idea of the concept? If there is no such figure that is striking, you can create one or borrow one from another source.

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IMPLEMENTATION

How can the method or results of the paper be put to work in practice? Provide a take-home formula, a theorem, or a (brief) pseudo-code that sums it up, or a list of methodological steps. You may use (and cite) other sources.

(12) DATA

Describe the data used in the experiments. Indicate whether such data were used before and/or after the paper and constitute a benchmark. Are the data available for download (provide the URL). If the paper includes no data, suggest your own dataset.

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Provide one (or two) graphs summarizing well the experimental results. If none are provided in the paper, make your own experiments and graph.

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Evaluate and criticize the scientific validity of the concept. You may use other sources.

Evaluate the soundness of the paper (good proof? good experiments? enough data? good data? error bars?)

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Have the code and/or the data been published and are freely available?

Are there alternative implementations made by other authors? Provide the URLs.

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WRAP UP

Is the chapter clear and complete? Did you need to read elsewhere to understand it? Are there "tricks-of-the-trade", which are not in the chapter? Don't forget to cite your sources.

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(17) ETHICS

Are there any aspects of the concepts of the chapter or paper relating to ethical issues? It could be the type of data used (bias in data), potential applications (AI not-for-good), plagiarism. Do some research on possible ethical implications.

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What did you learn that you did not know before?

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What is the take-home message? This is not necessarily the conclusion of the text, it can be your own.

What research directions could be pursued to develop the ideas of this chapter (which have not yet been explored by other authors)?

If you cannot find any, check texts which cite that paper and comment on whether some of the follow up papers pursued interesting directions.

You can conclude with a question to the class that we could discuss. Keep the question closely related to the text and what the author tries to show or to say.

Show this slide only if asked for references in the question session.