Paper Reviews

Introduction

This repository is a collection of short reviews of papers in Deep Learning. Reviews are based on papers which explore novel groundbreaking ideas or consist of theoretically rich concepts. A total of 2 short reviews are typically added each week which explore essential aspects of the work, its technical innovation and new questions and ideas raised by the work. Length of each review is 1 page excluding references. Each review is based on a fixed set of guidlines which are given here. If you would like to contribute to the reviews then please read this.

Available Paper Reviews

Review Number	Paper Title	Author List	Review Link	Contributor
1	Action and Perception as Divergence Minimization	Danijar Hafner,Pedro A. Ortega,Jimmy Ba,Thomas Parr,Karl Friston,Nicolas Heess	TBA	@karush17
2	Momentum Contrast for Unsupervised Visual Representation Learning	Kaiming He,Haoqi Fan,Yuxin Wu,Saining Xie,Ross Girshick	TBA	@karush17

Review Guildines

This section outlines the guidlines which are used to write reviews for the repository. Note that these guidlines must be strictly followed for providing high quality reviews to the reader.

Paper Selection

Since Deep Learning is a fast-moving field, papers can span a broad variety of topics. In order to shorten the range of literature, papers must be selected using the following rules-

- Any review paper, survey or a long articles should not be considered since these are themselves a review of previous works and reviewing them would defeat the purpose of literature writing.
- Short paper, Journal papers and theoretical works are suitable as these present a single idea which may be of interest to the reader.
- Papers containing experimental results balanced with theory are encouraged as these validate the practical applications of the proposed methods.
- There is no constraint on the publication date and time of papers. However, papers which date back to the 'AI Winter' are highly encouraged since these provide insights which were never looked at for a very long time.
- Papers containing simply applications of pre-existing methods to various regimes are not preferred since they do not provide any new insights into the algorithm itself and only deal with its applicability.
- Workshop papers and incomplete works are also welcome as researchers can always build on these ideas.

Introduction

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Methodology

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Critical Analysis

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New Ideas/Questions

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Conclusion

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Contributions

"No one can whistle a symphony. It takes a whole orchestra to play it." – H.E. Luccock

Collaboration is most welcome for this repository. If you believe that you would like to practice your research writing skills or would like to do a literature survey for your independent study, then feel free to hop in! Reviews in this repository follow a general LaTeX templated which is available in the template folder. Furthermore, reviews written for the repository must follow the review guidlines which are available here. Feel free to submit your review by opening a pull request.