

Paper Review Suggestions:

Submit your papers to introtodeeplearning-papers@mit.edu

Guidelines

Things to consider:

- What is the goal of the paper?
- What data did they use? What is this data like? Is it representative of real-world data, or is it curated/super-cleaned up data?
- What are the previous approaches / related works? Did they work? In what ways did they succeed or fail? How does this paper intend to improve upon them?
- What is the method? Does it seem like a good approach? Does the method ever fail? Or does it have tradeoffs or limitations?
- What are the implications/applications of this work?
- Are there any extensions you'd like to see?
- Any other comments you might have -- even related to the clarity of their figures/diagrams, or the quality of writing.

You can also feel free to do a compare/contrast review across two or more papers.

Papers

Extensive guide to lots of papers:

<https://github.com/songrotek/Deep-Learning-Papers-Reading-Roadmap>

Curating arXiv:

arxiv-sanity.com

Papers from Conferences:

- NIPS: <https://nips.cc/Conferences/2016/AcceptedPapers>
- ICLR: <https://openreview.net/group?id=ICLR.cc/2017/conference>
- ICML: http://icml.cc/2016/?page_id=1649
- KDD: <http://www.kdd.org/kdd2016/program/accepted-papers>

Resource with popular papers:

<http://www.gitxiv.com/>

Assortment of Papers from these Resources

Unsupervised Cross-Domain Image Generation (2016), Yaniv Taigman, Adam Polyak, Lior Wolf
<https://arxiv.org/abs/1611.02200>

Image Super-Resolution Using Deep Convolutional Networks (2016), C. Dong et al.
(He) <https://arxiv.org/pdf/1501.00092v3.pdf>

Reading text in the wild with convolutional neural networks (2016) , M. Jaderberg et al.
(DeepMind) <https://arxiv.org/pdf/1412.1842.pdf>

Faster R-CNN: Towards Real-Time Object Detection with Region Proposal Networks
(2015), S. Ren et al.
<http://papers.nips.cc/paper/5638-faster-r-cnn-towards-real-time-object-detection-with-region-proposal-networks.pdf>

DeepFace: Closing the Gap to Human-Level Performance in Face Verification (2014),
Y. Taigman et al. (Facebook)
http://www.cv-foundation.org/openaccess/content_cvpr_2014/papers/Taigman_DeepFace_Closing_the_2014_CVPR_paper.pdf

[Convolutional Neural Fabrics](#)

[Learning to reinforcement learn](#)

[Inception-v4, Inception-ResNet and the Impact of Residual Connections on Learning](#)

[Wasserstein GAN](#)

[SalGAN: Visual Saliency Prediction with Generative Adversarial Networks](#)