

Image Text Embedding

Gan Improvevents

STACK GAN v2 <https://arxiv.org/pdf/1710.10916.pdf>

code <https://github.com/hanzhanggit/StackGAN-v2>

Image Text Embedding

Learning Deep Representations of Fine-grained Visual Descriptions

<https://arxiv.org/pdf/1605.05395.pdf>

code <https://github.com/reedscot/cvpr2016>

Semantic Image Synthesis via Adversarial Learning <https://arxiv.org/pdf/1707.06873.pdf>

code https://github.com/woozzu/dong_iccv_2017

Learning Deep Structure-Preserving Image-Text Embeddings

http://slazebni.cs.illinois.edu/publications/cvpr16_structure.pdf

Learning Two-Branch Neural Networks for Image-Text Matching Tasks

<https://arxiv.org/pdf/1704.03470.pdf>

code :https://github.com/lwwang/Two_branch_network

Conditional Image-Text Embedding Networks <https://arxiv.org/pdf/1711.08389.pdf> code:

<https://github.com/BryanPlummer/cite>

Deep Correlation for Matching Images and Text

[https://www.cv-](https://www.cv-foundation.org/openaccess/content_cvpr_2015/papers/Yan_Deep_Correlation_for_2015_CVPR_paper.pdf)

[foundation.org/openaccess/content_cvpr_2015/papers/Yan_Deep_Correlation_for_2015_CVPR_paper.pdf](https://www.cv-foundation.org/openaccess/content_cvpr_2015/papers/Yan_Deep_Correlation_for_2015_CVPR_paper.pdf)

Correlational Neural Networks <https://arxiv.org/pdf/1504.07225.pdf>

Canonical Correlation Analysis: An Overview with Application to Learning Methods

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.702.5978&rep=rep1&type=pdf>

Image Reconstruction from Bag-of-Visual-Words <https://arxiv.org/pdf/1505.05190.pdf>

Look Closer to See Better: Recurrent Attention Convolutional Neural Network for Fine-grained Image Recognition

http://openaccess.thecvf.com/content_cvpr_2017/papers/Fu_Look_Closer_to_CVPR_2017_paper.pdf

Text Conditioned Auxiliary Classifier Generative Adversarial Network for Generating Images from text descriptions

(<https://arxiv.org/abs/1703.06412>) <https://github.com/dashayushman/TAC-GAN>

Dual-Path Convolutional Image-Text Embedding <https://arxiv.org/pdf/1711.05535.pdf>

<https://tech.shutterstock.com/2017/03/08/image-search-using-joint-embeddings-part-one/>

DeCAF: A Deep Convolutional Activation Feature for Generic Visual Recognition

<https://arxiv.org/pdf/1310.1531.pdf>

Associating Neural Word Embeddings with Deep Image Representations

using Fisher Vectors [https://www.cv-](https://www.cv-foundation.org/openaccess/content_cvpr_2015/papers/Klein_Associating_Neural_Word_2015_CVPR_paper.pdf)

[foundation.org/openaccess/content_cvpr_2015/papers/Klein_Associating_Neural_Word_2015_CVPR_paper.pdf](https://www.cv-foundation.org/openaccess/content_cvpr_2015/papers/Klein_Associating_Neural_Word_2015_CVPR_paper.pdf)

Image-Text Representation and Image-Text Applications

http://slazebni.cs.illinois.edu/spring17/lec22_embedding.pdf

<https://github.com/ctwxdd/Tensorflow-ACGAN-Anime-Generation>

#####

TOPIC-GUIDED ATTENTION FOR IMAGE CAPTIONING <https://arxiv.org/pdf/1807.03514.pdf>
Bottom-Up and Top-Down Attention for Image Captioning and Visual Question Answering
http://openaccess.thecvf.com/content_cvpr_2018/papers/Anderson_Bottom-Up_and_Top-Down_CVPR_2018_paper.pdf

Automatic image captioning using multi-task learning
https://people.cs.umass.edu/~afariha/projects/689_Final_Project.pdf

Recurrent Topic-Transition GAN for Visual Paragraph Generation
http://openaccess.thecvf.com/content_ICCV_2017/papers/Liang_Recurrent_Topic-Transition_GAN_ICCV_2017_paper.pdf

Image Captioning

Show and Tell: Lessons learned from the 2015 MSCOCO Image Captioning Challenge
<https://arxiv.org/pdf/1609.06647.pdf>
Text-guided Attention Model for Image Captioning <https://arxiv.org/pdf/1612.03557.pdf>

Netizen-Style Commenting on Fashion Photos: Dataset and Diversity Measures
<https://arxiv.org/pdf/1801.10300.pdf>
Domain-Specific Image Captioning
<https://pdfs.semanticscholar.org/a8e0/239269eb035513b0e8c061577355c7d30560.pdf>
Captioning Images with Diverse Objects <https://vsubhashini.github.io/noc.html>

<https://github.com/ruotianluo/ImageCaptioning.pytorch>
https://github.com/yunjey/pytorch-tutorial/tree/master/tutorials/03-advanced/image_captioning

Stack-Captioning: Coarse-to-Fine Learning for Image Captioning <https://arxiv.org/pdf/1709.03376.pdf>
<https://github.com/gujiuxiang/Stack-Captioning>

<https://ai.googleblog.com/2016/09/show-and-tell-image-captioning-open.html>

#####

Fisher vectors

Image Classification with the Fisher Vector: Theory and Practice <https://hal.inria.fr/hal-00830491v2/document>

Learning Deep Structure-Preserving Image-Text Embeddings
https://sglab.kaist.ac.kr/~sungeui/IR/Presentation/first_2016/%EC%9E%84%EC%9A%B0%EB%B9%88.pdf

Automatic Image Annotation using Deep Learning and Fisher Vectors
<http://icri-ci.technion.ac.il/files/2015/05/03-Lior-Wolf-1505051.pdf>
<https://www.youtube.com/watch?v=UC9msiP40jg>

Use the Fisher Vector to get the text vector <https://zhuanlan.zhihu.com/p/26178282>
Talking about Manifold Learning <http://blog.pluskid.org/?p=533>

Fisher Vectors <http://image.ntua.gr/iva/files/fisher.pdf>

Fisher Vector Faces in the Wild

<https://www.robots.ox.ac.uk/~vgg/publications/2013/Simonyan13/simonyan13.pdf>

Exploiting generative models in discriminative classifiers <https://papers.nips.cc/paper/1520-exploiting-generative-models-in-discriminative-classifiers.pdf>

<http://what-when-how.com/computer-visionimaging-and-computer-graphics/fisher-vectors-beyond-bag-of-visual-words-image-representations-computer-visionimaging-and-computer-graphics-part-1/>

