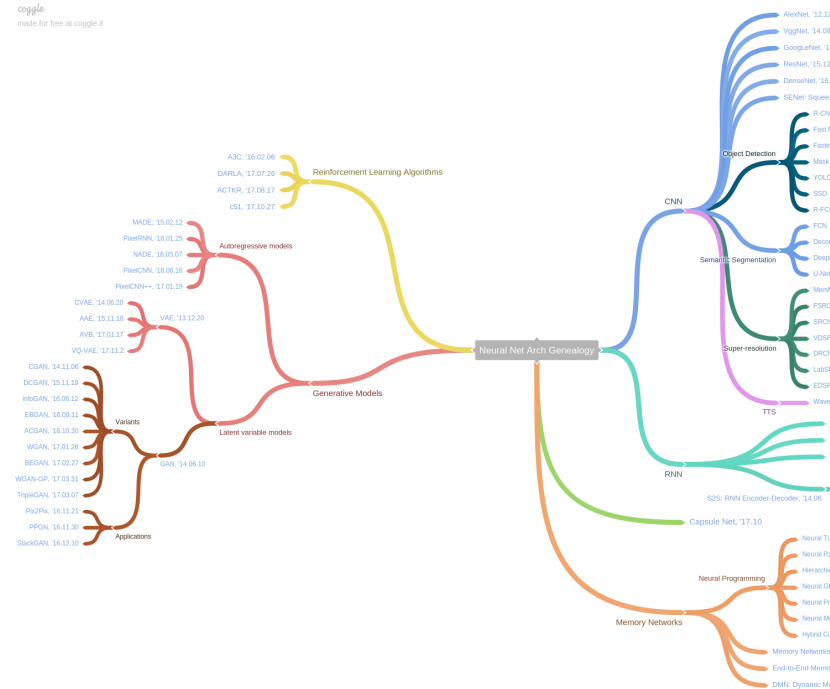


Deep Architecture Genealogy

There are so many new models and architectures. If you find something interesting and worth paying attention to, please send us a pull requests (PR) and write issues. [README.md](#) is automatically generated. Please send PRs on the [Neural Net Arch Genealogy.txt](#) file. ## Mindmap Coggle Link

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Text Version This is automatically generated. Please send a PR on the [Neural Net Arch Genealogy.txt](#) file. * Reinforcement Learning Algorithms * A3C, '16.02.06 * DARLA, '17.07.26 * ACTKR, '17.08.17 * c51, '17.10.27 * CNN * AlexNet, '12.12 * VggNet, '14.09 * GoogLeNet, '14.09 * ResNet, '15.12 * DenseNet, '16.08 * SENet: Squeeze-and-Excitation Networks, '17.09 * Object Detection * R-CNN * Fast R-CNN * Faster R-CNN * Mask R-CNN * YOLO * SSD * R-FCN * Semantic Segmentation * FCN * DeconvNet * DeepLab * U-Net * Super-resolution * MemNet * FSRCNN * SRCNN * VDSR * DRCN * LabSRN * EDSR * TTS * Wavenet, '16.09.12 * Generative Models * Autoregressive models * MADE, '15.02.12 * PixelRNN, '16.01.25 * NADE, '16.05.07 * PixelCNN, '16.06.16 * PixelCNN++, '17.01.19 * Latent variable models * VAE, '13.12.20 * CVAE, '14.06.20 * AAE, '15.11.18 * AVB, '17.01.17 * VQ-VAE, '17.11.2 * GAN, '14.06.10 * Variants * CGAN, '14.11.06 * DCGAN, '15.11.19 * infoGAN, '16.06.12 * EBGAN, '16.09.11 * ACGAN, '16.10.30 * WGAN, '17.01.26 * BEGAN, '17.02.27 * WGAN-GP, '17.03.31 * TripleGAN, '17.03.07 * Applications * Pix2Pix, '16.11.21 * PPGN, '16.11.30 * StackGAN, '16.12.10 * RNN * LSTM, '97.11 * GRU, '14.11 * ACT: Adaptive Computation Time, '17.05 * S2S: RNN Encoder-Decoder, '14.06 * Attention: Jointly Learning to Align, '14.09 * Effective Approaches to Attention, Luong et al. '15.08 * DCN: Dynamic Coattention Networks, '16.08, DCN+, '17.08 * Transformer: Attention Is All You Need, '17.06 * Capsule Net, '17.10 * Memory Networks * Neural Programming * Neural Turing Machine, '14.10

* Neural Random-Access Machines,'16.02 * Hierarchical Attentive Memory, '16.02 * Neural GPUs Learn Algorithms, '16.03 * Neural Programmer,'16.08 * Neural Module Networks, '16.06 * Hybrid Computing, '16.10 * Memory Networks,'14.10 * End-to-End Memory Network,'15.03 * DMN: Dynamic Memory Network, '16.03, DMN+, '16.04 ## Contributions Your pull requests and issues are always welcome.