Deep Leaning CS 7015 (Deep Learning) 10/5/19 2:00am Leubre-1, Episode Biological Neurons 1871-1873 -> Retiwlas Theory Joseph Von Gerleh. -> Staining Technique -> Alevon Doctrine (Network of cells) 1888-1891 -> 1891 'Neuron' Brain Worles Lis How a computer work,

lecture-1
episode-2
Boan in AI McCulloch Pith Nevron XI Percention

Scanned with CamScanner

Back Propogation Gradient Desent Universal Approximation Theorem (leutre-) Grisode-3 Unsupervised Pre-Training Leidre-! From lets to bourshinel

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Merral Methories 19 Mobel & Wiesel Experiment A neuron will fire only in reponse to a visual Stimuli in a region. Moorgaitron Mandwritten character rengonition of pattern rengonition

Cedre 5 Faster, Nigher, Skronger. - Better Optimization Methods Nestrov - 1983 Adagrad - 2011 Ronshop - 2012 Adam - des Beyond Adam - 2018. Case of Segvenier. Jordan Network Rownert [1980s-Jelman Network Network 1990's } Long Short Term Memory 15TM (1997) Segrence To Sequence Leathing (2014 }

Leadine Flan Heating Humans in Games - Atami hames - Alpha ho - Deep Stack -> Defense of Ancients The Madnews (2013 - Present) - Language Modelling -> Image Captioning -> Speech Rewgonithon - Video Cantioning - Machine Translation. - Nicles Summaisetin -> GAN -> Variational -> Conversation Modelling -1 Oversion Answering Antoenweley -> Plug & Play - Computer Vision Generative net - Visual Tracking

RL for Attention

Record of Sanity"

Racedor -> Nigh Capacity

of Interest Instability

Deer - Shoxa Minima

Leaving -> Non - Robustness

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