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| **Sr. No.** | **Topic** | **Resource** |
|  | Learning and Memory | [Link](https://www.google.com/search?q=learning+and+memory+in+artificial+neural+network&sca_esv=25add6e16aa71730&rlz=1C1VDKB_enIN991IN991&sxsrf=AHTn8zrTbSMMokgztSyC4VMLQL_wLVf1rA%3A1741680456797&ei=SO_PZ8q4MKuMvr0P6JLh0AY&oq=Learning+and+Memory+in+arti&gs_lp=Egxnd3Mtd2l6LXNlcnAiG0xlYXJuaW5nIGFuZCBNZW1vcnkgaW4gYXJ0aSoCCAAyBhAAGBYYHjIGEAAYFhgeMgYQABgWGB4yCxAAGIAEGIYDGIoFMgsQABiABBiGAxiKBTILEAAYgAQYhgMYigUyCBAAGIAEGKIEMggQABiABBiiBDIFEAAY7wVIuDVQmgJYkCpwAXgBkAEAmAGMBqABrhKqAQkwLjIuNS42LTG4AQPIAQD4AQGYAgmgAugSwgIHECMYsAMYJ8ICChAAGLADGNYEGEfCAg0QABiABBiwAxhDGIoFwgIKEAAYgAQYQxiKBcICBRAAGIAEwgIKEC4YgAQYQxiKBcICCBAAGIAEGMsBmAMAiAYBkAYKkgcJMS4yLjUuNS0xoAeXOQ&sclient=gws-wiz-serp) |
|  | Learning Algorithms | [Link](https://www.google.com/search?q=learning+algorithms+in+neural+networks&rlz=1C1VDKB_enIN991IN991&oq=Learning+Algorithms+&gs_lcrp=EgZjaHJvbWUqDAgBECMYJxiABBiKBTIGCAAQRRg5MgwIARAjGCcYgAQYigUyDAgCEAAYFBiHAhiABDIMCAMQABgUGIcCGIAEMgcIBBAAGIAEMgcIBRAAGIAEMgcIBhAuGIAEMgcIBxAAGIAEMgcICBAAGIAEMgcICRAAGIAE0gEIMjA5NGowajmoAgCwAgA&sourceid=chrome&ie=UTF-8) |
|  | Numbers of hidden nodes | [Link](https://www.google.com/search?q=number+of+hidden+nodes+in+neural+network&rlz=1C1VDKB_enIN991IN991&oq=Numbers+of+hidden+nodes&gs_lcrp=EgZjaHJvbWUqCAgBEAAYFhgeMgYIABBFGDkyCAgBEAAYFhgeMggIAhAAGBYYHjIKCAMQABiABBiiBDIHCAQQABjvBTIKCAUQABiABBiiBDIHCAYQABjvBTIKCAcQABiABBiiBNIBCDEzMDJqMGo5qAIAsAIA&sourceid=chrome&ie=UTF-8) |
|  | Error Correction and Gradient Decent Rules | [Link](https://www.google.com/search?q=Error+Correction+and+Gradient+Decent+Rules&rlz=1C1VDKB_enIN991IN991&oq=Error+Correction+and+Gradient+Decent+Rules+&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIICAEQABgWGB4yDQgCEAAYhgMYgAQYigUyDQgDEAAYhgMYgAQYigUyDQgEEAAYhgMYgAQYigUyDQgFEAAYhgMYgAQYigUyCggGEAAYgAQYogQyBwgHEAAY7wUyCggIEAAYogQYiQXSAQgxODA2ajBqOagCALACAA&sourceid=chrome&ie=UTF-8) |
|  | Perceptron Learning Algorithms | [Link](https://www.google.com/search?q=perceptron+learning+algorithms+in+ann&rlz=1C1VDKB_enIN991IN991&oq=Perceptron+Learning+Algorithms+&gs_lcrp=EgZjaHJvbWUqBggBECMYJzIKCAAQRRgWGB4YOTIGCAEQIxgnMggIAhAAGBYYHjIICAMQABgWGB4yCAgEEAAYFhgeMggIBRAAGBYYHjIICAYQABgWGB4yCAgHEAAYFhgeMggICBAAGBYYHjIICAkQABgWGB7SAQgxNzk4ajBqOagCALACAA&sourceid=chrome&ie=UTF-8) |
|  | Supervised Learning Backpropagation | [Link](https://www.google.com/search?q=supervised+learning+backpropagation+in+ann&rlz=1C1VDKB_enIN991IN991&oq=Supervised+Learning+Backpropagation&gs_lcrp=EgZjaHJvbWUqBggBECMYJzIJCAAQRRg5GIAEMgYIARAjGCcyCAgCEAAYFhgeMggIAxAAGBYYHjINCAQQABiGAxiABBiKBTINCAUQABiGAxiABBiKBTIKCAYQABiABBiiBDIKCAcQABiABBiiBNIBCDExOTBqMGo5qAIAsAIA&sourceid=chrome&ie=UTF-8) |
|  | Multilayered Network Architectures | [Link](https://www.google.com/search?q=Multilayered+Network+Architectures&rlz=1C1VDKB_enIN991IN991&oq=Multilayered+Network+Architectures+&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIKCAEQABgKGBYYHjIICAIQABgWGB4yDQgDEAAYhgMYgAQYigUyDQgEEAAYhgMYgAQYigUyDQgFEAAYhgMYgAQYigUyDQgGEAAYhgMYgAQYigUyCggHEAAYgAQYogQyCggIEAAYogQYiQUyCggJEAAYgAQYogTSAQgxNTk5ajBqOagCALACAA&sourceid=chrome&ie=UTF-8) |
|  | Back propagation Learning Algorithm | [Link](https://www.google.com/search?q=back+propagation+learning+algorithm+in+ann&rlz=1C1VDKB_enIN991IN991&oq=Back+propagation+Learning+Algorithm&gs_lcrp=EgZjaHJvbWUqBggBECMYJzIJCAAQRRg5GIAEMgYIARAjGCcyCAgCEAAYFhgeMggIAxAAGBYYHjIICAQQABgWGB4yCAgFEAAYFhgeMggIBhAAGBYYHjINCAcQABiGAxiABBiKBTINCAgQABiGAxiABBiKBTIKCAkQABiiBBiJBdIBCDE0NDVqMGo5qAIAsAIA&sourceid=chrome&ie=UTF-8) |
|  | Feed forward and feedback neural networks | [Link](https://www.google.com/search?q=Feed+forward+and+feedback+neural+networks&rlz=1C1VDKB_enIN991IN991&oq=Feed+forward+and+feedback+neural+networks&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIGCAEQIxgnMggIAhAAGBYYHjINCAMQABiGAxiABBiKBTINCAQQABiGAxiABBiKBTINCAUQABiGAxiABBiKBTIKCAYQABiABBiiBDIKCAcQABiABBiiBDIHCAgQABjvBTIKCAkQABiABBiiBNIBCDE1MjdqMGo5qAIAsAIA&sourceid=chrome&ie=UTF-8) |
|  | Example and applications | [Link](https://www.google.com/search?q=example+and+applications++Learning+Algorithms+&sca_esv=25add6e16aa71730&rlz=1C1VDKB_enIN991IN991&sxsrf=AHTn8zplG-Fv1ipLWMis-L-j03oDDnJEsg%3A1741680690095&ei=MvDPZ6WXBby-vr0Px5jdsAs&ved=0ahUKEwil-OCWyoGMAxU8n68BHUdMF7YQ4dUDCBA&uact=5&oq=example+and+applications++Learning+Algorithms+&gs_lp=Egxnd3Mtd2l6LXNlcnAiLmV4YW1wbGUgYW5kIGFwcGxpY2F0aW9ucyAgTGVhcm5pbmcgQWxnb3JpdGhtcyAyBxAhGKABGAoyBxAhGKABGApI8fkCUKQbWIjzAnABeAGQAQCYAb4MoAGTGaoBDTAuMi4yLjYtMS4wLjG4AQPIAQD4AQL4AQGYAgegAtcZwgIHECMYsAMYJ8ICChAAGLADGNYEGEfCAgYQABgNGB7CAgYQABgWGB7CAggQABgFGA0YHsICCxAAGIAEGIYDGIoFwgIGEAAYCBgemAMAiAYBkAYJkgcNMS4yLjIuNS0xLjAuMaAHuTU&sclient=gws-wiz-serp) |