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And other method too !

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Conclusion

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References

ARTICLES/IMAGES:
https://encrypted-tbn0.gstatic.com/images?q=tbn%3AANd9GcRUxw0V7xt1deYYVGlEpuSZS8bD2p4-gWmdmKiQeHDpaguyeem9
https://en.wikipedia.org/wiki/Anomaly_detection#Popular_techniques
https://towardsdatascience.com/density-based-algorithm-for-outlier-detection-8f278d2f7983
https://quantdare.com/wp-content/uploads/2018/03/outlier2.gif
https://upload.wikimedia.org/wikipedia/commons/thumb/5/59/LOF.svg/1920px-LOF.svg.png
https://encrypted-tbn0.gstatic.com/images?q=tbn%3AANd9GcT9_IIHrDLupjcpXFE9hYXusy-PLkagFA_N80H3KO3s8u1cmivk
https://encrypted-tbn0.gstatic.com/images?q=tbn%3AANd9GcQUNN2lHF1mLfizXgx79-67t0TVJMKcmKfsOish6k9FgoZMd_Pw
https://cdn.shopify.com/s/files/1/1061/1924/products/Thinking_Face_Emoji_large.png?v=1480481060
https://cdn.shopify.com/s/files/1/1061/1924/products/Ghost_Emoji_large.png?v=1480481053
https://media.giphy.com/media/l2JdZMikjIwBS4MM0/giphy.gif
https://giphy.com/gifs/yosub-girl-taco-why-not-both-3o85xIO33l7RlmLR4I

PAPERS
https://cs.nju.edu.cn/zhouzh/zhouzh.files/publication/icdm08b.pdf
https://arxiv.org/pdf/1811.02141.pdf

GITHUB/CODE
https://yortug.github.io/tree_based_outlier_detection/tree_based_outlier_detection.html