<https://asjadnaqvi.github.io/DiD/> did history

<https://github.com/bcallaway11/did>

<https://en.wikipedia.org/wiki/Difference_in_differences>

<https://www.youtube.com/watch?v=VLviaylakAo>

<https://www.youtube.com/watch?v=m1xSMNTKoMs>

<https://github.com/kylebutts/did2s> two-stage

<https://jrgcmu.github.io/2sdd_current.pdf> two-stage

<https://www.sciencedirect.com/science/article/pii/S0304407620303948>

<https://towardsdatascience.com/implementing-causal-inference-a-key-step-towards-agi-de2cde8ea599>

<https://blog.ml.cmu.edu/2020/08/31/7-causality/>

<https://www.publichealth.columbia.edu/research/population-health-methods/difference-difference-estimation>

<https://rpubs.com/phle/r_tutorial_difference_in_differences>

<https://lfoswald.github.io/2021-spring-stats2/materials/session-8/08-online-tutorial/> \*\*

<https://www.youtube.com/watch?v=Q5QOCMIwjbg> \*

<https://www.youtube.com/watch?v=J7q2H8aB8bQ> \*\*

<https://eml.berkeley.edu/~webfac/saez/e131_s04/diff.pdf> \*\*\*

<https://www.princeton.edu/~otorres/DID101R.pdf> \*

<https://cran.r-project.org/web/packages/did2s/vignettes/Two-Stage-Difference-in-Differences.html>

In "difference in differences" research designs, "ATT" stands for "average treatment effect on treated." It refers to the average impact that a particular intervention has had on those who received it relative to what would have happened without the intervention. The idea behind using this approach is to estimate how much of an impact a specific program or policy has had by comparing outcomes between groups that received the intervention and groups that did not receive the intervention before the intervention occurred, rather than just looking at changes within either group over time. This helps account for other factors that might affect both groups similarly and ensures that any observed changes are due to the intervention itself.