Notation

$\mathbf{Y} \equiv$ One-dimensional vector containing the outcome measure of interest for each unit of observation; i.e., a cross-sectional measurement of forest cover change. Y_i represents the outcome measurement at unit of observation i.

$\mathbf{X} \equiv$ j by i matrix containing ancillary information which may impact the outcome measure of interest, excluding the treatment. $X_{j,i}$ represents the information for covariate j at unit of observation i.

$\mathbf{T} \equiv$ One-dimensional vector containing the treatment status for each unit of observation; i.e., if a project to decrease deforestation existed at that location. T_i represents the treatment status at unit of observation i.

The data generation process is run to examine the impact spatial spillover in any of the three elements (**Y,X,T**) defined above in causal inferential designs.

X

(1)