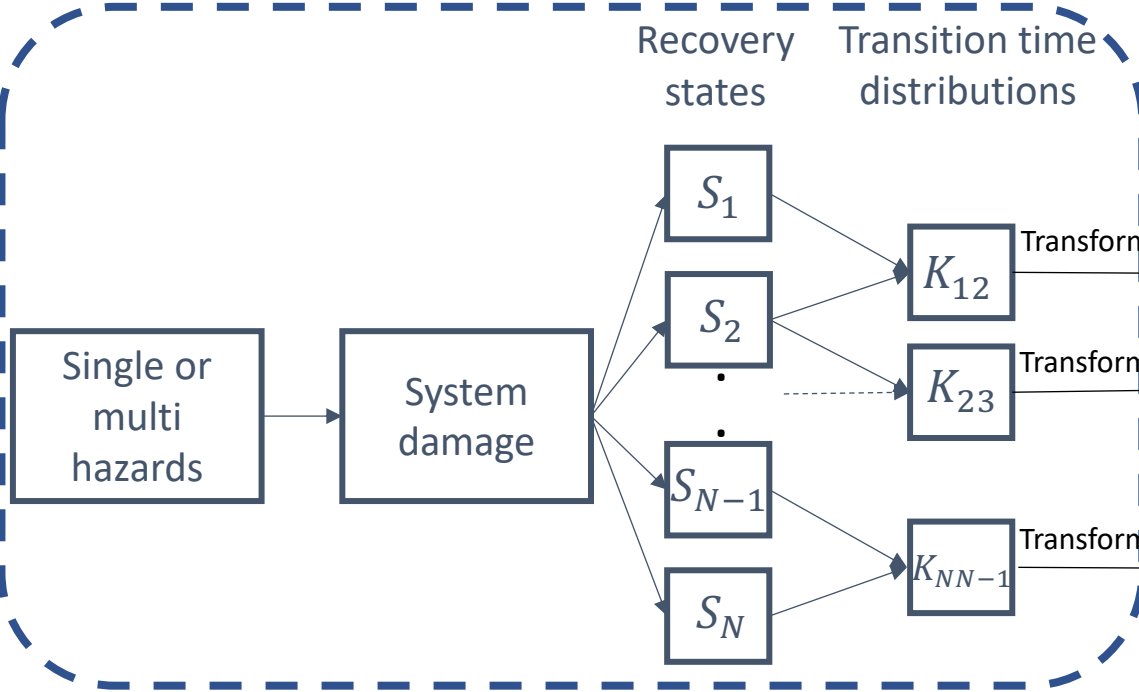
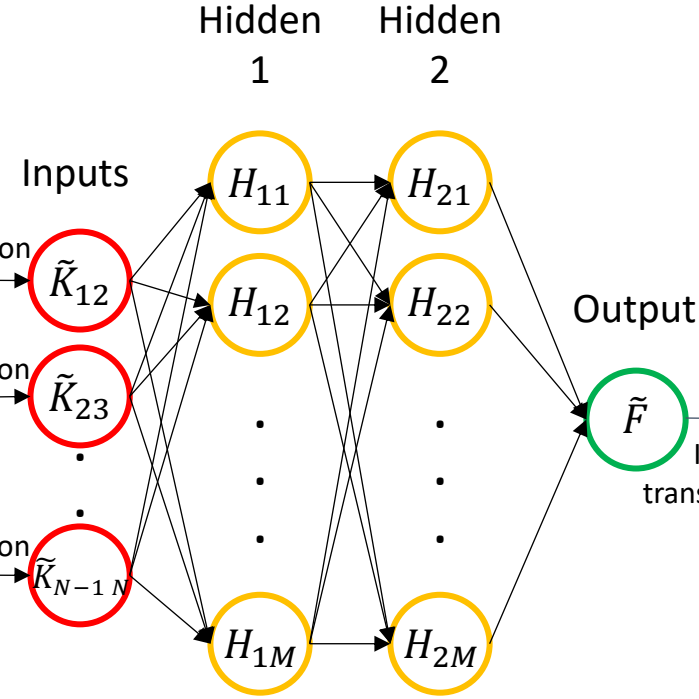


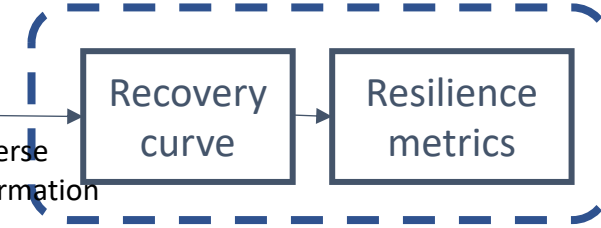
## Pre-processing



## Deep Neural Network



## Post-processing



## Markov-Renewal Equation

$$P_{ij}(t) = W_{ij}(t) + \int_0^t \mathcal{K}'_{ij}(\tau) P_{ij}(t - \tau) d\tau$$

$$\text{where, } W_{ij}(t) = \delta_{ij} \left( 1 - \sum_{j=1}^N \mathcal{K}_{ij}(t) \right)$$