

Propose a unified framework to combine **Temporal Logic Rules** with **Point Process** models:
Answer *when* and *why* the event will happen?

Temporal Logic Rules (Provided by human experts):

If

☐ (condition A AND condition B) AND (condition A happens *before* condition B)

OR

☐ (condition C AND condition $\neg D$) AND (condition C and condition $\neg D$ co-occur)

OR

☐ ...,
then $Y = 1$.

inform



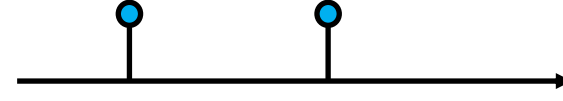
Build Point Process Model

Evidence

A



B



C



D



...

Event of interest

Y

