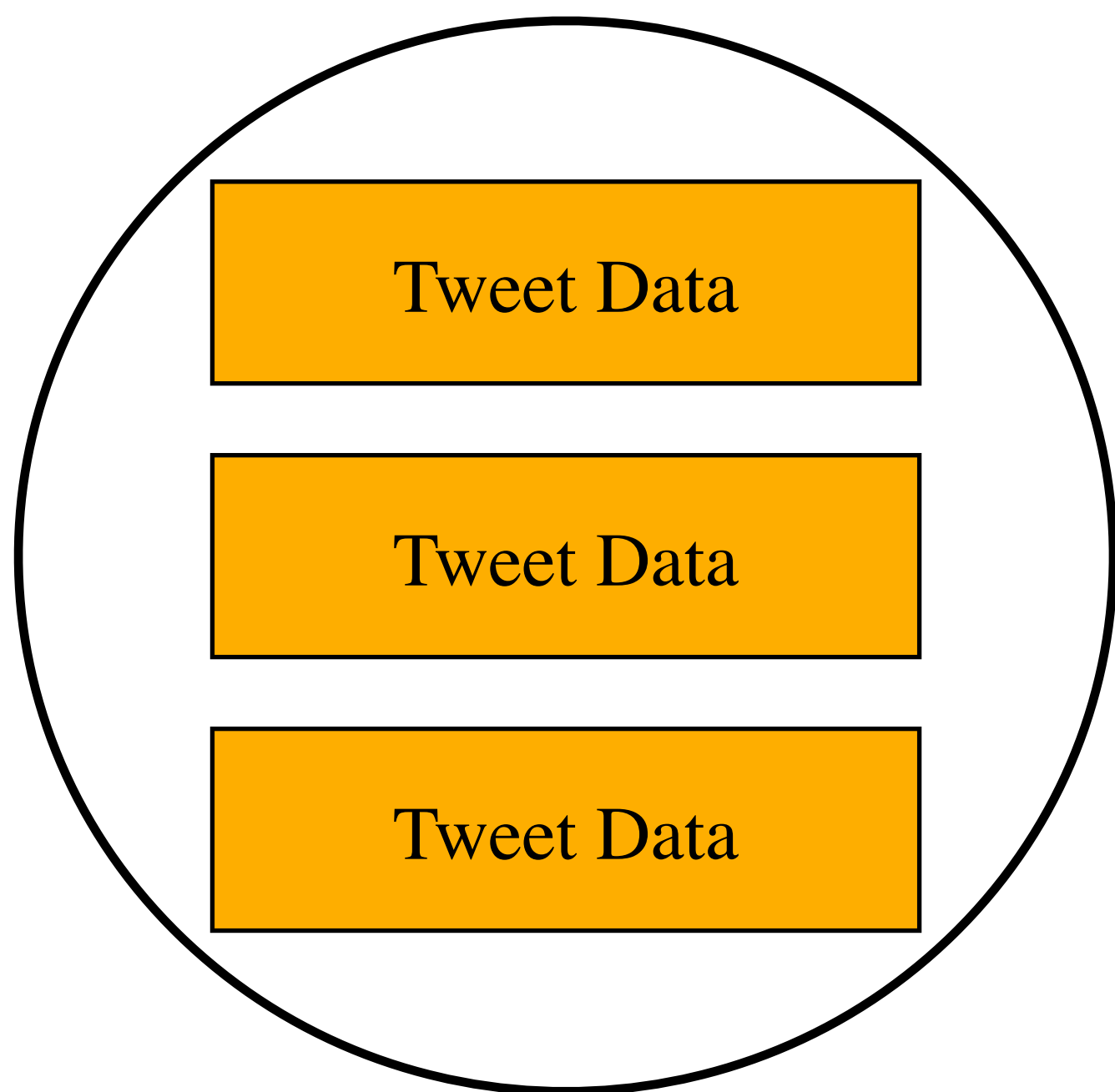


## Dataset



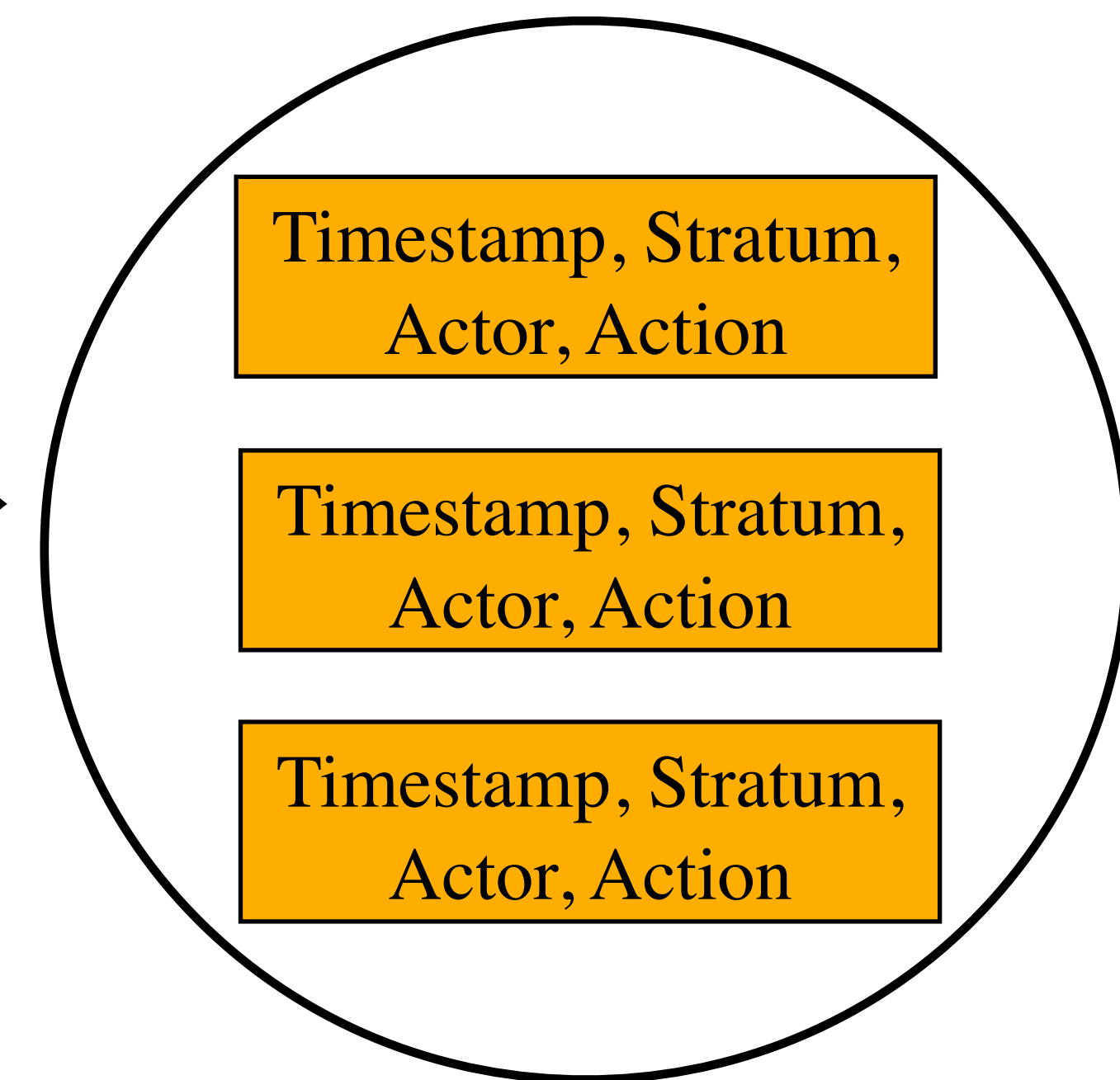
## Define

**Stratification:** Split based on time: before, during, and after the event

**Actors:** Users with a tweet count of at least 3

**Actions:** Sharing of untrustworthy (U) or trustworthy (T) URLs

## Processed dataset

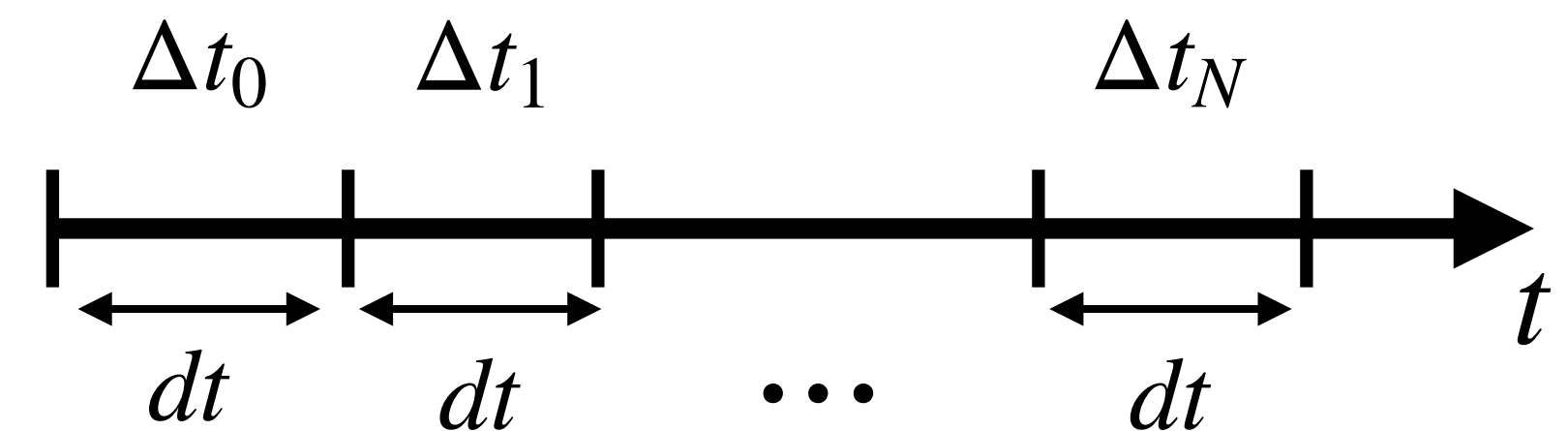


	A : Bill Gates	
	U	T
$\Delta t_0$	2	2
$\Delta t_1$	1	5
$\Delta t_2$	0	1
$\vdots$	$\vdots$	$\vdots$
$\Delta t_N$	0	1

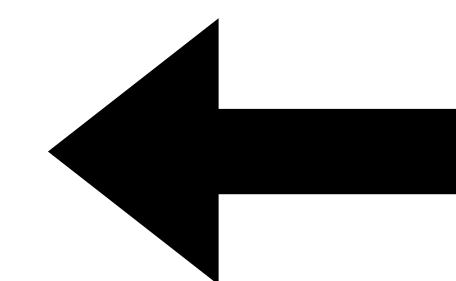
...

	D : Greta Thunberg	
	U	T
$\Delta t_0$	0	4
$\Delta t_1$	0	2
$\Delta t_2$	0	1
$\vdots$	$\vdots$	$\vdots$
$\Delta t_N$	1	3

Create time series by tweet frequency



Discretize time space  
Timestamp  $\Rightarrow \Delta t_i$



$X_U^A$   $X_T^A$

$X_U^D$   $X_T^D$

Compute influence matrix between actors

$$I_{A,B} = \begin{bmatrix} d(X_U^A, X_U^B) & d(X_U^A, X_T^B) \\ d(X_T^A, X_U^B) & d(X_T^A, X_T^B) \end{bmatrix}$$

Create influence graph

