

Frame 1

Detections: ID1, ID2, ID3, ...

Frame 2

Detections: ID2, ...

Frame 3

Detections: ID1, ID3, ...

⋮

Binary bee time series

	Frame 1	Frame 2	Frame 3	
ID1	1	0	1	
ID2	1	1	0	...
ID3	1	0	1	
⋮				

Binary pair time series

	Frame 1	Frame 2	Frame 3	
ID1, ID2	1	0	0	
ID1, ID3	1	0	1	...
ID2, ID3	1	0	0	
⋮				