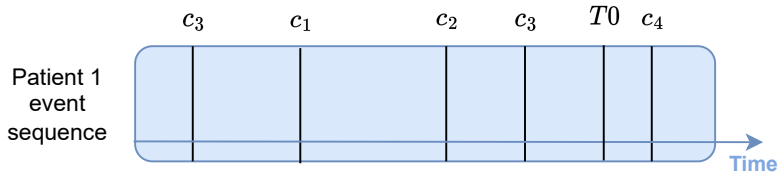
Patient features without time decay



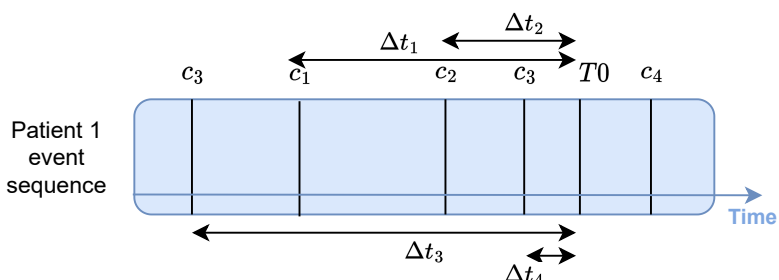
$$C(1, c_1) = 1$$
$$C(1, c_2) = 1$$
$$C(1, c_3) = 2$$
$$C(1, c_4) = 0$$

V concepts

1	**1**	**3**	**0**
0	1	2	1
1	0	1	0
...	...	...	...

N patients

Patient features with time decay δ



$$C(1, c_1) = \exp\left(-\frac{\Delta t_1}{\delta}\right)$$
$$C(1, c_2) = \exp\left(-\frac{\Delta t_2}{\delta}\right)$$
$$C(1, c_3) = \exp\left(-\frac{\Delta t_3}{\delta}\right) + \exp\left(-\frac{\Delta t_4}{\delta}\right)$$
$$C(1, c_4) = 0$$

0.02	**0.1**	**0.801**	**0**
0	0.2	0.1	0.001
0.1	0	0.8	0
...	...	...	...