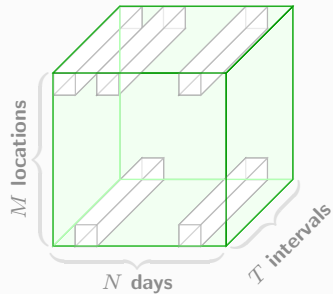


Incomplete tensor



Tensor $\mathcal{Y} \in \mathbb{R}^{M \times N \times T}$



Model

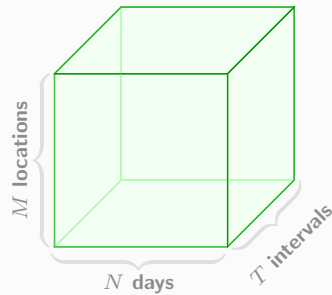
Initialize $\mathcal{T}^1 = \mathbf{0}$, $\mathcal{P}_\Omega(\mathcal{M}_k^1) = \mathcal{P}_\Omega(\mathcal{Y})$, and set α, ρ, θ and maximum iteration L .



for $l = 1$ to L do
 for $k = 1$ to 3 do
 Update \mathcal{X}_k^{l+1} ;
 Update \mathcal{M}^{l+1} ;
 Update \mathcal{T}^{l+1} ;



Recovered tensor



Tensor $\hat{\mathcal{Y}} = \sum_{k=1}^3 \alpha_k \mathcal{X}_k^{L+1}$