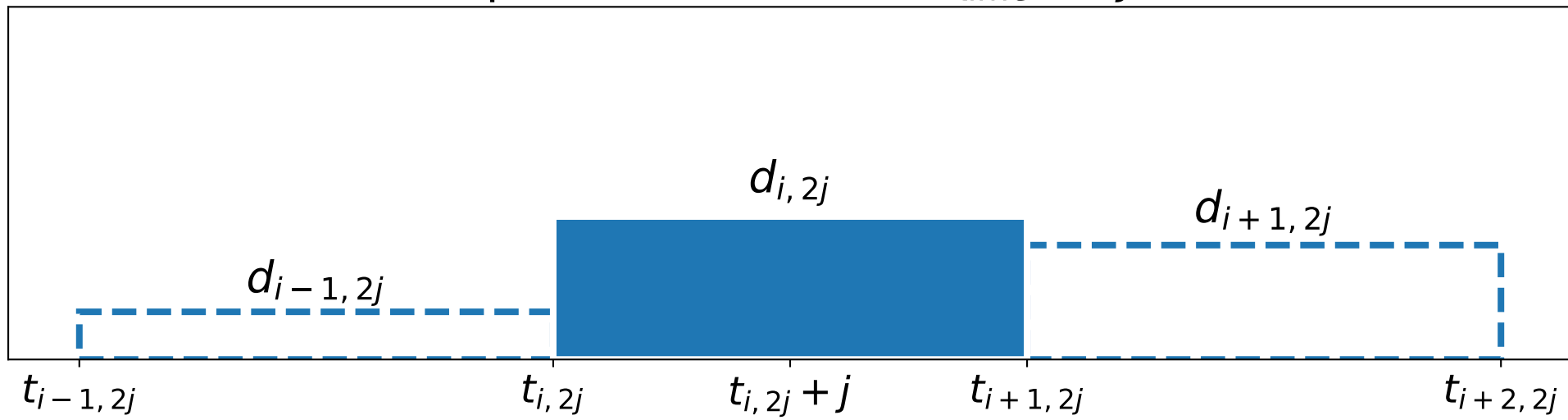


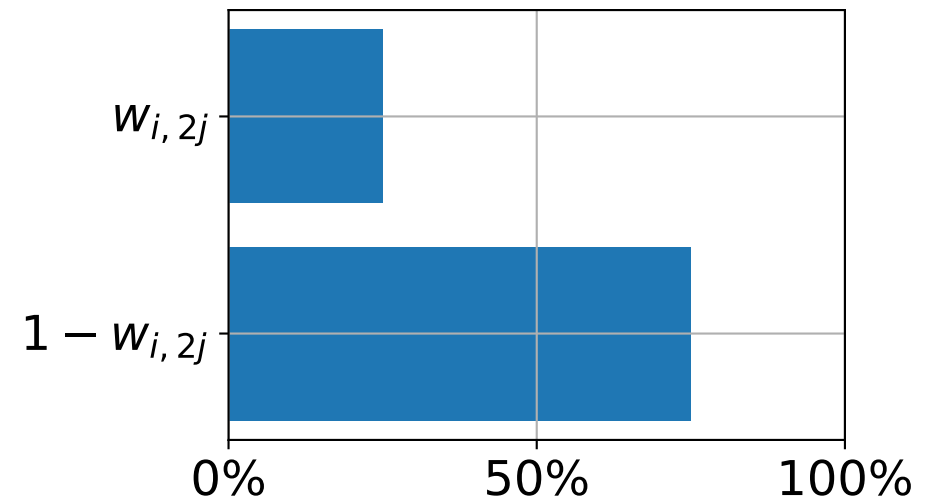
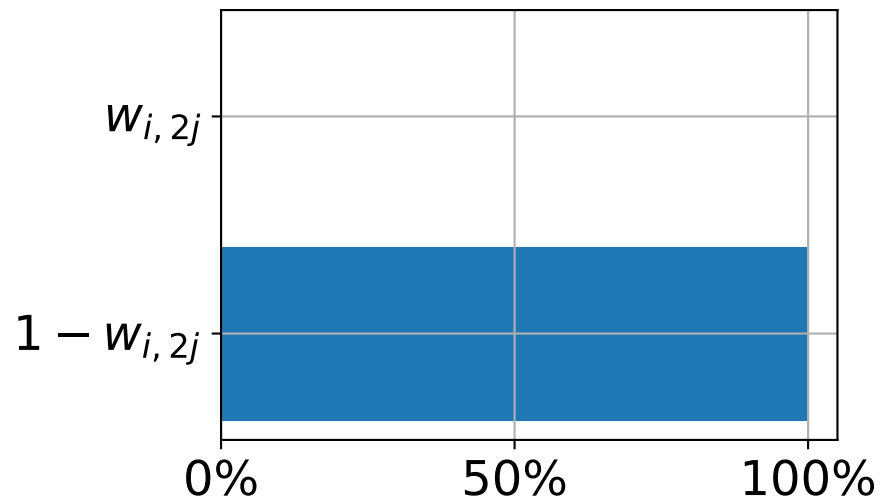
Time-series of depths at time-scale $S_{time} = 2j$, with $i \in [1..N]$



$u_{0,i,2j} \sim \mathcal{U}([0, 1]), u_{0,i,2j} < P(W = 0 | S_{time} = 2j, D = d_{i,2j}, T = T_{i,2j})?$

Yes: $w_{i,2j} = 0$

No: $w_{i,2j} \sim \mathcal{N}_{[0, \frac{1}{2}]}(\frac{1}{2}, \sigma(S_{time} = 2j)^2)$



$u_{1,i,2j} \sim \mathcal{U}([0, 1]), u_{1,i,2j} < P(S = 0 | S_{time} = 2j)?$

Yes

No

Yes

No

Time-series of depths at time-scale $S_{time} = j$, with $i \in [1..N]$, and $t_{2i,j} = t_{i,2j}$

