(20240628) windowed SPP SDM; [{\si;7,\langle,\belong} = \frac{\frac{1}{2}}{1} \langle \langle \langle \langle \frac{1}{2}} (complete deta) N ! exp(5 2(5) ds) for $\lambda(\underline{s}) = e^{\beta_0 + \underline{X}'(\underline{s})} \underline{R}$ and $\underline{S}_{ij} \in S_j$ for j = 1, ..., J and $i = 1, ..., n_j$ (and $n = \underline{Z}_{ij} \cap j$) In the case where n; =0, There me no obs. points and thus [{\$1;3, {1;}] Bo, B]= {4; 1,20] = 1 n! explus; for the # onolos-points: [No 1 -] = Poù (2) St. $\lambda_0 = \int_0^1 \lambda(\underline{x}) d\underline{x}$ for $S_0 = S \setminus \bigcup_{j=1}^{n} S_j$ (assum (s)=0 for now) is total abudence in S=US; and N= 1+No

Note: Use composition sampling to set Not from [No | 25:37,5 n; 3]=S[No 1 . 3[Bo, B | {5:37, {n, } } d Bab]

Accorate Dayer procedure Note that: (\$i), {n;} [B, B] = (8;) [B, B \$n\$ (En;) PO, B]

B, cancels

Never 1) Fit model using cond. likel. hood: [{5i}] | Bo, B, Soil = TT TT 7(5ii) (S 2(5) d >) Note: could use logistiz or Poisson reg, approach. A) so, somple Bob - [Bo] . k=1,..., x 2.) Propose (Bb, B'x) & random'y (w/ replacement) from 1st stage
Then update w/ M-H retio: $nh = \frac{\left[N \mid \beta_{0}^{(x)}, \beta_{1}^{(x)} \right]}{\left[N \mid \beta_{0}^{(k-1)}, \beta_{1}^{(k-1)} \right]}$ before stage 2. 3.) sande No ~ Pois (\ \(\lambda^{\alpha} \) \(\lambda \) \(\lambda^{\alpha} \) \(\lambda \) \((here con also be sayled in panallel).