

Exzit: Br=x on, Ont = On+Br(Rn-Qn) ōn=ōn-1+ x (1-ōn-1) for n≥1, ō0=0 - avid boitini on ci esell to : went of 01 = Oo + x (1-0) = x 9-1) ABME A/X=(198-1/11) Q2=Q1+B(R1-Q1) 9-1 900-18 Q,+1 (R1-Q1)=Rpot you I hus, step function Br= of on is brea from initial Joshans à recercy-weighted surveys.

Lets calculule Brinderns of X > On = Dn-1+0(1-0n-1) an must = 10 m-1 (1-d) + dro (10 = (1-x)20n-2+ x+x(1-x) = (1-d) 00 + 5 x(1-d) = (1-d) Oo + x(1-(1-x)) = (1-x) (00-1)+1 of we can during the that as n 1-(1-x) increases Br decreases and along < Br < 1 for n >]

Now, Pott= da+ Br (Rn-da) = 90(1-Bn)+Rn = Rn+(1-Bn) Qn-1(1-Bn-1)+Rn-1 = Qn-1(1-Bn)(1-Bn-1)+BrRn + Brikmi (1-BA Note that I will be zero become 1- B1=0, () B = 1) 1 = 1 No when considering 2 Ra Now when we consider the 2 term, Rais weighted by Barard broduct by a product terms where each term is took the between [0,1) and of some order thus as everyob Dies i- a suissori Dies i ract Dies son arusini View : A for their ent aunt Here, it is a secercy weight average