HW#14 1) there is uncertaints,

2) anoming of the victions,

3) produttion elfor reolization, and

4) stone is motor uncertainty about risk. pdf call ccdf >76 123456 pdly-the relative broquency of althing each outcome Ri. code the brequery of not obtaing the word or us previous sutemes: X:1X:-1,Xi+1

25 13 HW#14 6=204p(-2+) constant probability failure rate at = (j(t) > f = (Sg(t) ott, auth failure rote is constant, so & = (g(t) = contant :: g(t) = courtant, so g(t) is :. g(t) = exp(0t) & & C exp(0t) & de=coexp(0t) Seferat =1 suning a probability desity : 0<0, ro S isot diregent => [B(t) st=1 = C (app FEt) att => ([-exp(-Et)] = ([-0) + exp(0)] = ([0+1] = 1 & G= Ceyp(-E6) => G=Ceyp(-C6) know gatheres occur uf a constant rate of 2, galler, so- $\frac{dt}{dt} = -\lambda = -c^2 \exp(-ct) \Rightarrow \lambda = C$: pdf => g(6) = 2 exp(-2t)

