The charge in the population over time - If every benale gives

birth D.DI x

birth worth Total per 08 bishs per-lapita birthrate = 6 1 offspring x N = Total by of offspring Total
Hobrighs=WN 100 Morths

(population gize)

 $A \beta = bN - dN$ $b \beta = d \beta$ b = d

- Density independent

per-capita birth, death

rates

- Density-Dependent total number of Girths, cleaths

 $\frac{dN}{dt} = \emptyset \quad i.e. \quad b = dN$

Rates

 $\emptyset = (b-d) b=d$ ¿instantaneous rate af D=LN; r=Ø in other word b=d N = of this is the special rose of population extinction This is a Stable value of N, represented by

Corrying Capacity
og the population $\frac{dN}{dt} = rN\left(1 - \frac{N}{k}\right)$ >p -> N=10 (extinction) 3 (1-N)=Ø 1 = 2 K=N or N=K

LOGISTIC