The Probability Approach Haave (mo (1944) Pata ( X = ( X , --- , X ) Probability Made Supply no Ademand A Stet Pricing, APM, Weath-Javan Moton Macro Model \$56 E Canctherry Mopping model to data 1, Avoid a nontitutive compaison Manalogy (6: Noa etal 20H)
Rheters (Mc (1,5kg, 488) [ Fasles - ) ( Kntinstin 20(8) 11 Narfative (5h; Mer 2019,72003)

2, Approximation Detine a metric between data nadmade 3, Expert models to allow various (it, Toolforzard 3 inthis class is polarity Mole · S & C (FI) · paramaters } Full DE Want of to be "probably oppressionally const

Asymptotics, as dutasetsize no the approximate the probability Results will be eventually approximately trobably
of resignately coppect Alternatives, Keynes, Knight Parid Black vell Arolani (ty Probability triple a Probability Space

Space Field probability

Mensing Contigues? Eventi A C S Such that AET Fisha field, signa algebra, information set Callection of school sol Set 1 stef emptysit 2. Affingtes Acof A = { west; w # A} 3. If A, Az

C. Merten of egents in I Mein their which and intersections V. A. E. Swfa. WEA-for som []

 $\Lambda_{A} = C$   $\Lambda_{A} = \{ \omega \in \mathcal{N} :$ WEAT CONNIC  $N = \{0, 1, 2\}$ A 7 { 0 } . { ( } } L & J ( 1 ( 2 ) ( 4 ) / Stato, Ilor K Fernny Sl which has a topology, acollection of open sats, to (a,b) Con define on I called the Both Sigman field Whach containsull-pensits (-D, a) V (y, A) + K  $(b,c) \in \mathbb{R}$ Ca, b) & B {m} 6 /B

(A, F, M) - Mensive space Menswe M. mar Efin D to IRt Ayims//tinotion 1. 0 EMACD HAES 2, M/ = 0 3, If A, Az, -- Ax is a countable clleten

of dissoint sets in J, then

M V, A;

= EMA;  $(A)^{A}_{i=1}$  are disjoint if  $A_{i}A_{j} = \emptyset$ forallity J-e b-α d-c (R

Probability Mensure: is a Mensine ruch that IPA = 1 Random Variable. X or (X(W)) on aprobability spale of of fraction O > Corrol well, X(w) EX dg. A= Eheads, fails}  $X = \begin{cases} 1 & \text{if } w = h_{\text{rads}} \\ 0 & \text{if } w = f_{\text{a.i.}} \end{cases}$ Define or Sigma field on X. Collif X (Xisa man suchthat Erall BEX X-1 (b), - Sw + I; X(w) fB3 Ef Jay X : 5 Maswayle Faiture (ASI) 7 = [05, 51, 23, 60, 12], 80}

 $X = \begin{cases} 1 & w = 0 \\ 2 & w = 1 \end{cases}$   $X = \text{All Subsets of } \{1,2,3\}$   $Not more subsets
<math display="block">X = \begin{cases} 1 & w = 0 \\ 2 & w = 1 \text{ or } 2 \end{cases}$  MENSWALL