Introduction to Sufficient Statistics

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What is the sufficient - phastist = approach? Mano: poling unalysis is structural -> abounce the entire promotione of the economy I study polity within this structure. market structure is assumed almost religiously without looking at evidence but determines all pling controls -> poling in sights are baked into initial assumptions about market or multing assume Walnes an markets markets are reflicient, pering is unrecessary espone mono phistic man hats , manhaps > 0 -> pnies by high , not enough a diviting . Doune mmo promible markers, mark downs > 0 -> price hoo low, not enough retriority · Maco policy analysis is structural - mead to calibrate all model paramaters (to un D'mulations) But many parametras are unobærnable cannot be properly identified & measured etimated

. To address these isomes - take outficient from public finance (1950s, 1960s, 1970s) - Saez (2001): oprimal taxalian Chetty (7006) " U ± Chety (2003). purvex - mew i'm mano i'm 2010 - sopre ading Oveniew of sufficient-statistic aproch. 1) Minimal ook of assumptions on welfare Jandin + structure of economy that allow for poling analyon's -> no need tope uity entitle model. analysis upplies to a range of model

(anx model pariofying minimal set

Jasoum prions)

more likely to hold in

real world & box world to practitioners @ Express results & oftimal policies in terms of statistics than can be properly stimated -s connection by theat & impinics