Introduction to Sufficient Statistics

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What is the sufficient - plastistic approach? Mano: poliag unalysis is structural -> adding the entire providence of the economy l study poling within this structure. market structure is assumed almost religiously, without looking at widen a but determines ell pling coults -> poling in sights are looked into mitial assumptions about market or metrore assume Walnas an markets markets are efficient, pering is unrecessary espine monophistic markets, markups) 0-> price be high , not enough a driviting - asoume nomopsoniorie markets, markdowns >0 -> price too low, not enough retioning · Mano: poling anolysis is structural - mead to calibrate all model parameters (to um Ormulations) But many parametas are unoboernable cannot be properly identified & measured etimated

. To address these ispues -, take pufficient -statistic opproach. from public finance (1950s, 1960s, 1970s) - Saez (2001) : oprimal taxalian Chetty (2006) . UT Chety (2003). purvey - new in mano in 2010 - spreading apidly now -Oveniew of sufficient - statistic oproch: () Minimal oet of assumptions on welfore Jandin + structure of economy that allow for policy analysis -> no need topening entitle model. - analysis upplies to a range of model (any model patriofying minimal set of assumptions) - more likely to hold in real walk & be worful to practitioners & Express repults & optimal policies in terms of statigticg than can be properly stimated -s connection b/w theory & impinics