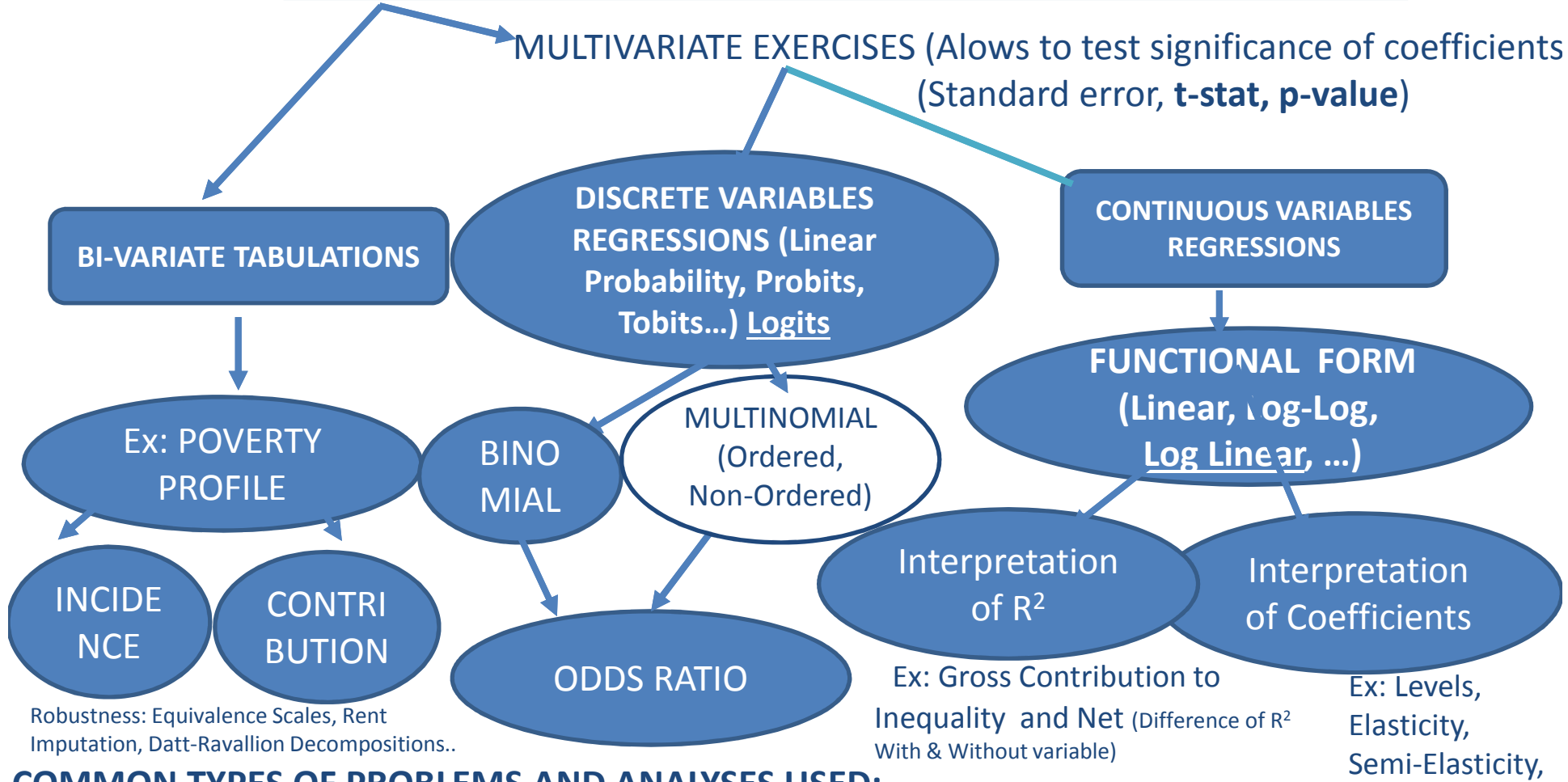
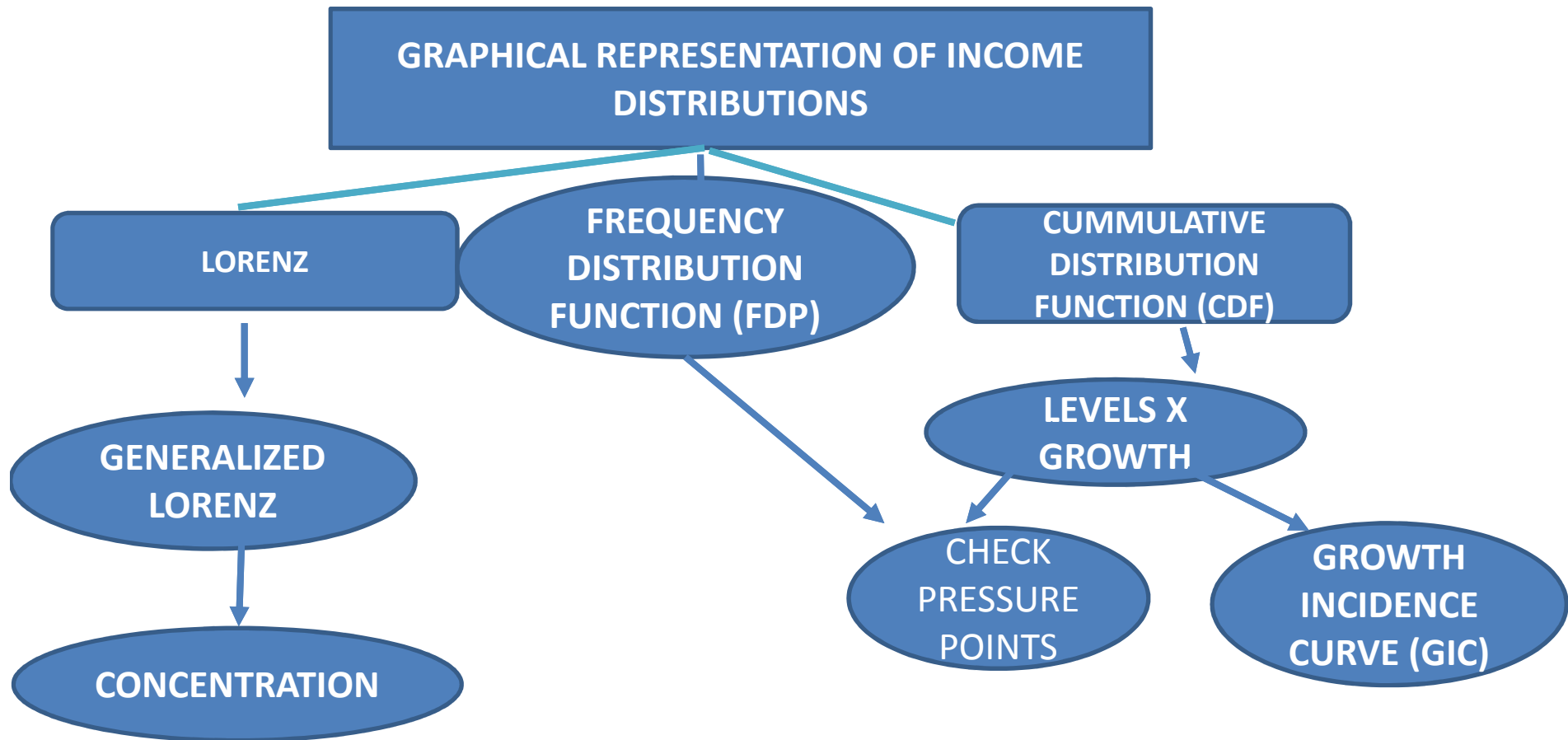


MAP OF BASIC EMPIRICAL TECHNIQUES USED



COMMON TYPES OF PROBLEMS AND ANALYSES USED:

| | | | |
|---|--|--|---|
| DIFFERENCE IN DIFFERENCE | SELECTIVITY BIAS | OMMITED VARIABLES | MEASUREMENT ERROR |
| Impact Evaluation: Applied to all Techniques above | Avoid Ex: Random Control Trials (RCTs), Quasi-Experiments... | Deal with Ex: Heckit, Propensity Score Matching (PSE)... | Ex: Who Answer the Questionnaire knows <u>±</u> ... |
| | | Ex: Education of Parents | |



Poverty Dominance (starts with CDF)

A dominates B in 1st order (FOD) $\Rightarrow P^0A > P^0B$ for every z

A dominates B in 2nd order (SOD) $\Rightarrow P^1A > P^1B$ for every z

A dominates B in 3rd order (TOD) $\Rightarrow P^2A > P^2B$ for every z

INEQUALITY CONCEPTS, DECOMPOSITIONS & MEASUREMENT ISSUES

INFORMATION THEORY
Theils T & L, J-Divergence

Between X Within Groups (Ex: Education)

GROSS CONTRIBUTION

CATEGORIES

(Ex: Illiterate x Higher Education...)

MINCERIAN REGRESSIONS
Variance of Logs

NET CONTRIBUTION

SOCIAL WELFARE
Atkinson, Gini, Thini, Shared Prosperity etc

LEVELS X GROWTH

INCOME SOURCES

Ex: Labor x Social Security...

LABOR INGREDIENTS

Ex: Unemployment x Hourly Wages x Hours...

TYPES OF DATA SOURCES USED:

HOUSEHOLD SURVEYS

EX; PNAD, Census, PME...

ADMINISTRATIVE RECORDS

Ex: PIT, RAIS...

TREATMENT

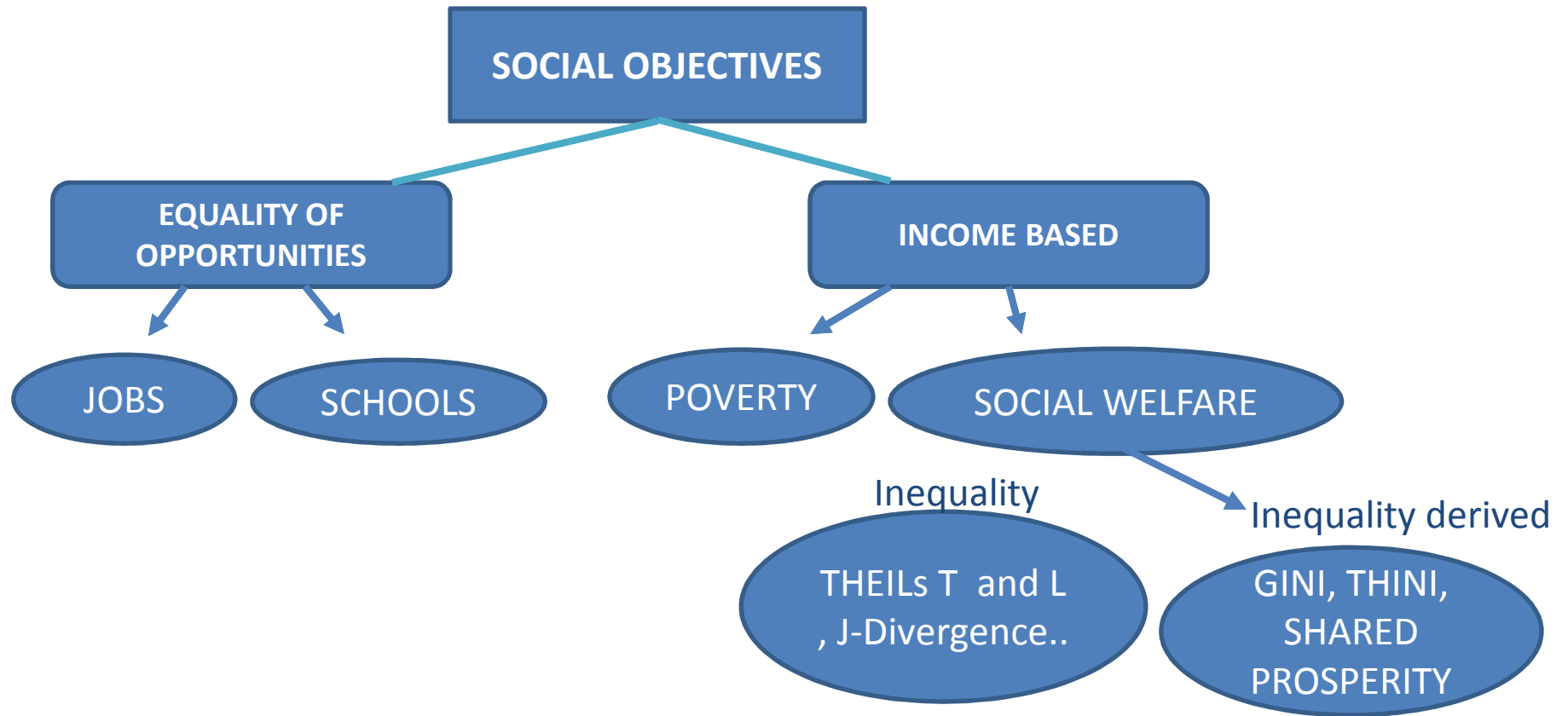
Mixing sources, Imputations,...

POPULATION

ALL, OCCUPIED...

INCOME Concept

ALL SOURCES, LABOR...



LEVELS X GROWTH

RELATIVE X ABSOLUTE

UNI X
MULTIDIMENSIONAL

OBJECTIVE X
SUBJECTIVE