Approaching QCA: Software as Wayfinding

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> rubinsonc@uhd.edu http://gator.uhd.edu/~rubinsonc/ http://grundrisse.org/qca/

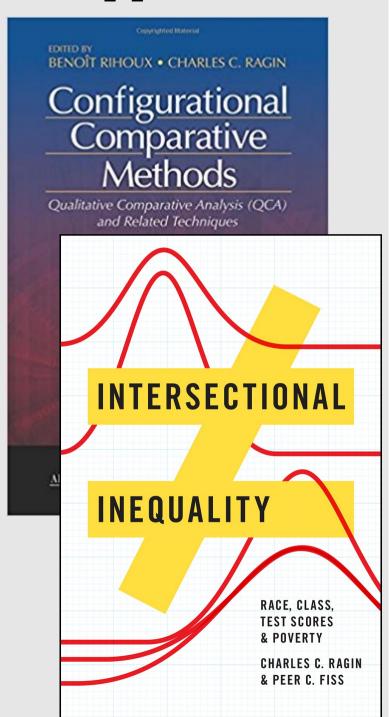
QCA as both Technique and Approach

As a technique

- Measures of degree of set membership
- Subset relations measured by consistency and coverage
- Taxonomies as truth tables
- Sufficiency solutions via Quine-McCluskey minimization

As an approach

- Rihoux, et. al. (2009, Ch 1 of *CCM*)
- Ragin (1997/2004) "Turning the Tables"
- Ragin & Fiss (2017) Intersectional Inequality

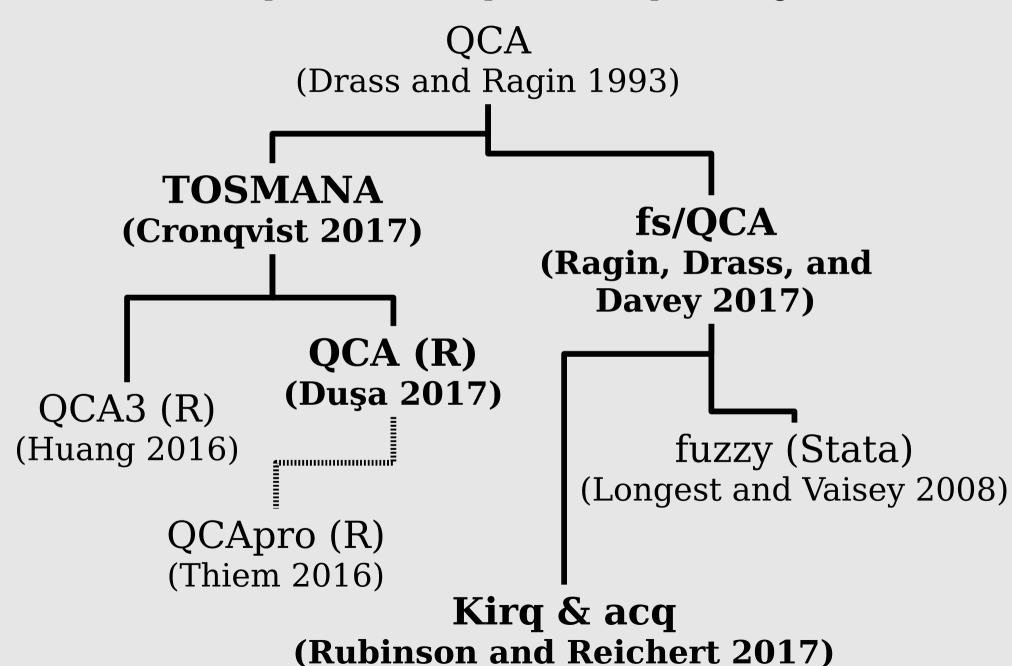


No Software, No QCA

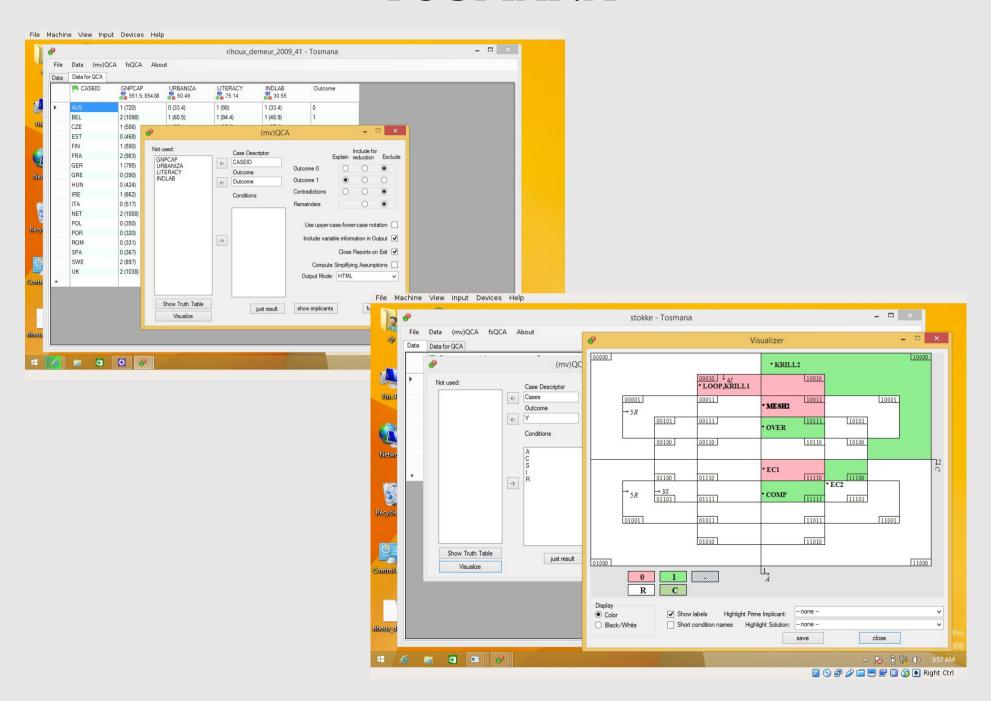


A Menagerie of QCA Software Packages

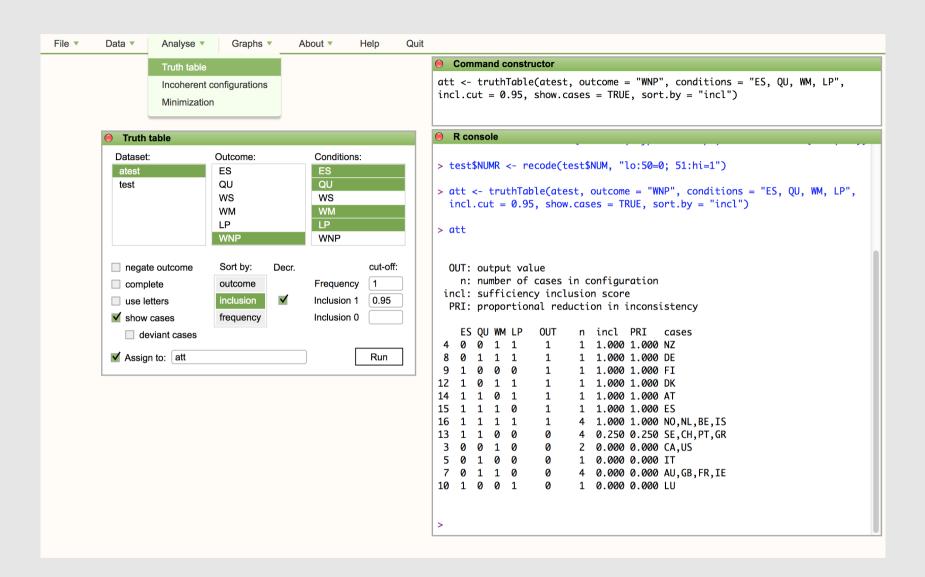
(complete list at http://ww.compasss.org)



TOSMANA



QCA (R)



fs/QCA

Necessity testing

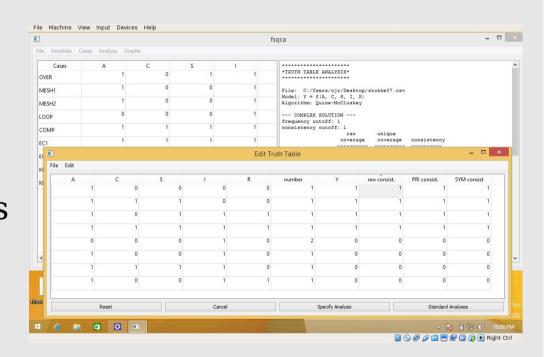
- With fs/QCA, necessity testing often *deductive* (theoretically/substantively-driven)
- Test for substitutable (ORed) conditions

Truth table

Don't neglect truth table

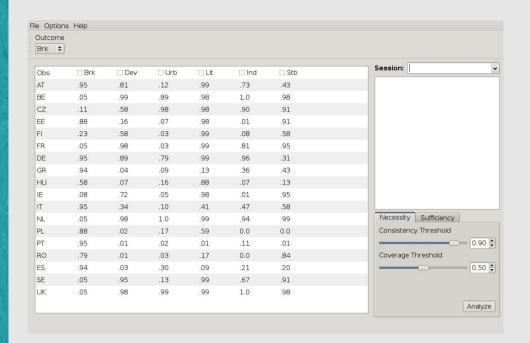
Standard analysis

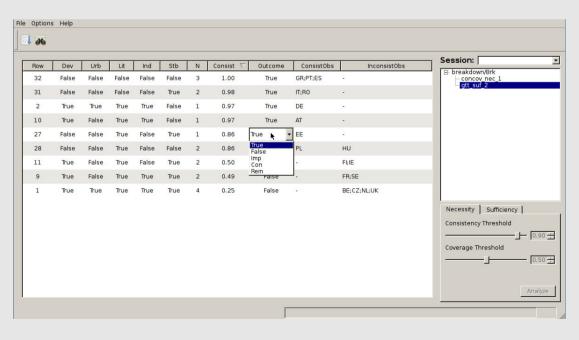
 Examine, compare, and discuss all three solutions (complex, intermediate, & parsimonious)



Available visualization: Scatterplot

Kirq





- Simplest of all QCA software packages (easy to learn; hard to mess up)
- Focus on inductive/exploratory research
- Designed to support and encourage retroduction
- Privileges both necessity and sufficiency testing
- Perhaps ironically, no visualizations

Recommendations

- Distinguish between QCA as a technique and QCA as an approach. A good QCA embraces the approach.
- Software is just a means to an end. It automates the mundane and repetitive parts of the analysis, so that you can focus on what's really important—getting to know your cases.
- Different software packages approach QCA in different ways; each will help you think about your analysis in different ways.
- Follow COMPASSS for updates on QCA/CCM software: http://www.compasss.org/