## 1 Coverage

- 2 Coverage refers to the proportion of members belonging to set A within set B when set
- 3 A is included in set B (A is a subset of B, A is a sufficient condition for B). In QCA, the
- 4 proportion of cases belonging to the outcome R that also belong to the sufficient
- 5 condition C is called solution coverage. The proportion of cases belonging to each item
- 6  $\,$  analyzed as a condition that also belong to the outcome R is called raw coverage. Often,
- 7 the sets created by individual items form intersections with other sets. The proportion
- 8 of cases that belong to the outcome R and are explained solely by the conditions of
- 9 individual sets, excluding overlapping parts with other sets, is called unique coverage.



23 From this, we get:

24 raw coverage of 
$$A = \frac{number \ of \ members \ in \ A}{number \ of \ members \ in \ U} = \frac{4}{10} = 0.40$$

25 raw coverage of 
$$B = \frac{number \ of \ members \ in \ B}{number \ of \ members \ in \ U} = \frac{5}{10} = 0.50$$

26 solution coverage of 
$$(A \lor B \Rightarrow R) = \frac{number \ of \ members \ in \ A \cup B}{number \ of \ members \ in \ U} = \frac{7}{10} = 0.70$$

27 
$$unique \ coverage \ of A = \frac{number \ of \ members \ in A \cap \tilde{B}}{number \ of \ members \ in U} = \frac{2}{10} = 0.20$$

28 nique coverage of 
$$B = \frac{number of members in \tilde{A} \cup B}{number of members in U} = \frac{3}{10} = 0.30$$