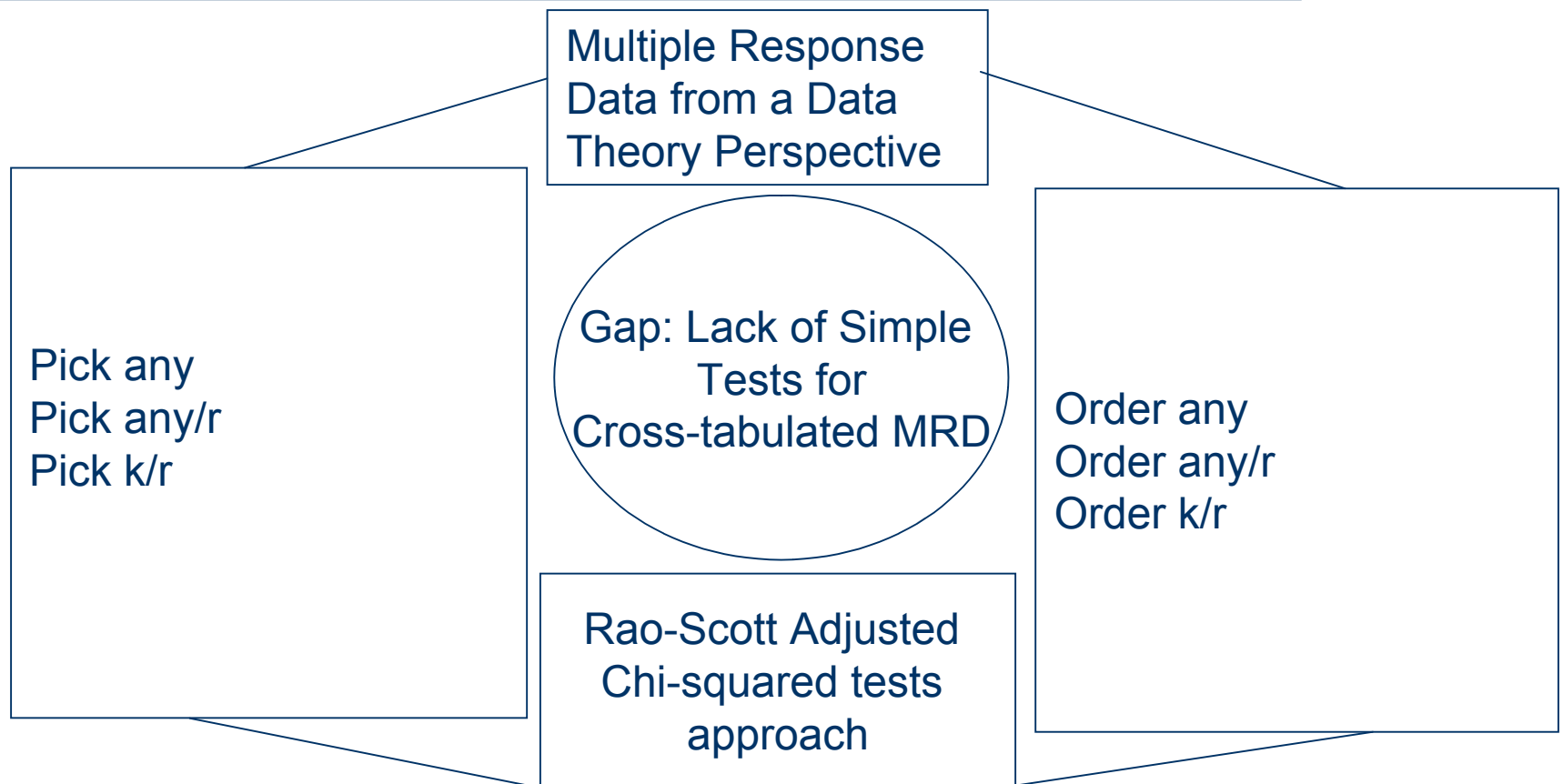


On Multiple Response Data Tests

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A Conceptual Framework For the Analysis of Multiple Response Data (MRD)



To bridge the gap

- Rao-Scott first- and second-order adjusted chi-squared tests for one-way and two-way tables of multiple response data of the “*pick any/r*” type were developed.
 - Goodness-of-fit test
 - Equality of response probabilities test
 - Homogeneity test
 - Independence test for cross-tabulations involving a single response variable and a multiple response variable
 - Independence test for tables involving two multiple response variables

Extensions to other forms of MRD we are working on

- Goodness-of-fit, equality of response probability and homogeneity tests for MRD of the “*pick k/r*” type
- Association test involving a single response variable and a multiple variable of the “*pick k/r*” type
- Association test and involving 2 multiple response variables of the “*pick k/r*” type
- Cross-tabulations involving “*order r*” and “*order k/r*” types of MRD
- Aggregation across multiple response variable
- Doubly complex multiple response data