

## Workshop on Respondent-driven Sampling Analyst Software

### Course Outline

#### Day 1: Monday, September 23, 2013

Hour	Topic: Preliminaries
9:00- 9:30	I. Introduction and Logistics
9:30-10:30	II. Overview of RDS from a statistical perspective
10:30-11:00	Coffee Break
11:00-12:00	III. Structure of the RDS-A program (preceded by loading RDS-A onto laptops)
12:00- 1:30	Lunch Break
1:30- 2:30	IV. Basic Analysis – Using a common and cleaned data set. – Serves as a table of contents for what will be covered over the next two days.
2:30- 2:45	Coffee Break
2:45- 3:45	V. Preparing data for uploading to RDS-A
3:45- 4:00	Coffee Break
4:00- 5:00	VI. Exploratory Data Analysis (of the sample) and Diagnostics (graphical and numeric)
5:00- 5:30	Questions and Discussion from Day 1

**GROUP DINNER 6:30 PM**

**Day 2: Tuesday, September 24, 2013**

<b>Hour</b>	<b>Topic: Inference and Estimation</b>
9:00-10:00	VII. Estimation of population proportions and means
10:00-10:15	Coffee Break
10:15-11:15	VIII. Estimation of uncertainty: confidence intervals and standard errors
11:15-11:30	Coffee Break
11:30-12:30	IX. Data Issues: Recoding, transformations, missing data, rounding and coarsened data
12:30- 2:00	Lunch Break
2:00- 3:00	X. Step-by-step anatomy of a full RDS analysis.
3:00- 3:15	Coffee Break
3:15- 4:15	XI. Advanced features <ul style="list-style-type: none"><li>- Using the R command line for easy reproduction of results</li><li>- Use of RDS weights in other analyses</li></ul>
4:15- 4:30	Coffee Break
4:30- 5:00	Questions and Discussion from Day 2

**Day 3: Wednesday, September 25, 2013**

Hour	Topic: Population Size Estimation and Real Data
9:00-10:00	XII. Overview of Population Size estimation based on RDS data
10:00-10:30	XIII. Application of size estimation
10:30-11:00	Coffee Break
11:00-12:30	XIV. Case-study using real actual data (working in small groups)
12:30- 1:45	Lunch Break (on your own)
1:45- 3:15	Case-study using real actual data (continuation)
3:15- 3:30	Coffee Break
3:30- 4:30	XV. Reporting results from each group
4:30- 5:00	Closing Discussion, Questions, and Recommendations