

Sampling Program for Survey Statisticians
SURVMETH 616
Workshop in Sampling Techniques
Summer, 2016

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INSTRUCTORS: Various (see syllabus below)

CLASS SESSIONS: 8:30 – 11:30 AM Monday-Friday, June 1 to July 29, 2016

The Workshop in Sampling Techniques is a component of the Sampling Program for Survey Statisticians in the Survey Research Center's Summer Institute on Survey Research Techniques. The Workshop can only be taken in conjunction with the sampling methods courses also being taught during the 2016 Summer Institute, *Methods of Survey Sampling* and *Analysis of Complex Sample Survey Data*. Workshop participants must enroll in both of these courses in order to be eligible to enroll in the Workshop.

The Workshop affords students the opportunity to implement methods studied in the companion methods courses, such as segmenting and listing in area sampling, selection of a national sample of households in the U.S., stratification, controlled selection, telephone sampling, national samples for developing countries, sampling with microcomputers, variance estimation techniques, and weighting methods for survey data.

The attached schedule shows the workshop sessions and locations. As a courtesy to our visiting instructors, students are expected arrive for the start of each session on time and come prepared with materials that may have been distributed at previous sessions.

The schedule also shows the times of social events associated with the Workshop. The order and topics may change, but participants will receive updated schedules as they become available.

The Workshop does not have a textbook, examinations, or homework. Final grades are determined on the basis of contributions to and participation in the sessions. In order to receive credit for the course, students are expected to attend each session, do the exercises presented by the instructors, and participate in discussion.

Students completing the Workshop and achieving passing marks in all methods Sampling Program courses will be awarded a Sampling Program for Survey Statisticians Certificate of Completion at the end of the Workshop.

2016 Summer Workshop in Sampling Techniques

2016		June				
<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
			1 Welcome continental breakfast, 1450 ISR. Introduction (Lepkowski), G300 ISR-Perry.	2 Sampling distributions (Lepkowski), G300 ISR-Perry.	3 Sampling algorithms (Nishimura), 2302 SEB.	4
5	6 Sampling algorithms (Nishimura), 2302 SEB.	7 Sampling algorithms (Nishimura), 2302 SEB. 4:30-6:30 PM: SPSS Reception, Lepkowski's	8 Sampling algorithms (Nishimura), 2302 SEB.	9 Area sampling principles (Lepkowski), 3207 LSA.	10 Area sampling principles (Lepkowski), 3207 LSA. 4:30-6:30 PM: SISRT Reception, 6050 ISR	11
12	13 Area sampling principles (Lepkowski), 3207 LSA.	14 Area sample for India (Lepkowski), 3207 LSA.	15 Area sample for India (Lepkowski), 3207 LSA.	16 Area sample for India (Lepkowski), 3207 LSA.	17 Area sample for India (Lepkowski), 3207 LSA.	18 (9:00 AM – 5:00 PM, The Henry Ford. Depart from & return to ISR.)
19	20 Area sample for India (Lepkowski), 3207 LSA.	21 Area sample for Nepal (Lepkowski), 3207 LSA.	22 Area sample for Nepal (Lepkowski), 3207 LSA.	23 Area sample for Nepal (Lepkowski), 3207 LSA.	24 No class session.	25

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2016					July	
<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
26	27 Sampling schools (Lepkowski), 2302 SEB.	28 Sampling schools (Lepkowski), 2302 SEB.	29 Sampling Rare Populations (Heeringa), 3207 LSA.	30 Sampling Rare Populations (Heeringa), 3207 LSA.	1 Longitudinal Survey Design (Heeringa), 3207 LSA.	2
3	4 No class session. Independence Day. (4:00-7:00 PM: Picnic, Location TBD.)	5 Longitudinal Survey Design (Heeringa), 3207 LSA.	6 Sampling Businesses and Farms (Heeringa), 3207 LSA.	7 Sampling Businesses and Farms (Heeringa), 3207 LSA.	8 Consulting session: student questions (Heeringa & Lepkowski), 3207 LSA.	9
10	11 Demographic & health survey for Turkey (Turkyilmaz), 3207 LSA.	12 Demographic & health survey for Turkey (Turkyilmaz), 3207 LSA.	13 Demographic & health survey for Turkey (Turkyilmaz), 3207 LSA.	14 Demographic & health survey for Turkey (Turkyilmaz), 3207 LSA.	15 Multiple frame sampling design & estimation. Elkasabi. 2302 SEB.	16
17	18 Weighting for unequal probabilities (Nishimura), 2302 SEB.	19 Weighting for unequal probabilities (Nishimura), 2302 SEB.	20 Weighting for unequal probabilities (Nishimura), 2302 SEB.	21 Weighting for unequal probabilities (Nishimura), 2302 SEB.	22 Consulting session: student questions (Heeringa), 3207 LSA.	23
24	25 No class session.	26 No class session. 4:30-6:30 PM: SPSS Reception, location	27 No class session.	28 No class session.	29 No class session. 11:30 AM – 1:00 PM: Certificate	30