

Understanding Social and Economic Data

Technical notes

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February 1, 2016

Videoconferencing

- 10 sites, ~100 participants
- Multiple technologies



Participating Sites

The following sites are participating. Interested students can get in touch with the local contact at each site regarding sign-up procedures for local credit.

<i>Site</i>	<i>Course number</i>	<i>Room</i>	<i>Contact email</i>
Cornell University, Economics/Information Science	INFO 7400/ ECON 7400/ ILRLE 7400	Ives Hall 109	Lars Vilhuber
Ross School of Business at the University of Michigan	BE845	R5020	Maggie Levenstein
University of Wisconsin – Madison		TBD	Brent Hueth
Duke University (Triangle RDC)	ECON 690-99 (9624)	Gross Hall 230E	Gale Boyd
University of Colorado Boulder	Independent study	IBS 390	Keith Maskus
Michigan State University	none	The Koo Room, MAH	Tim Vogelsang
Iowa State University	590	Curtis Hall 0008	Otavio Camargo-Bartalotti
University of California, Irvine	Econ 249	TBD	Antonio Rodriguez Lopez
Federal Reserve Bank of Kansas City	none	TBD	Sandra Cannon
U.S. Census Bureau	n.a.	T10	Renee Ellis



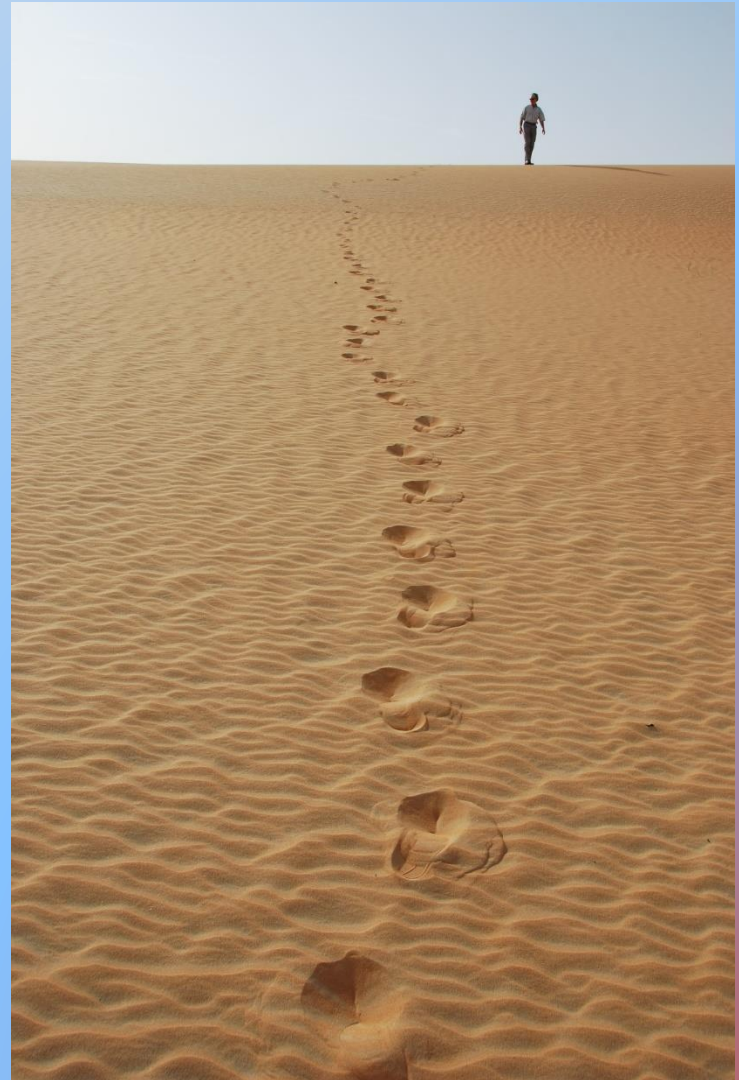
Some basic rules

Please mute your mike when not speaking!

Getting attention

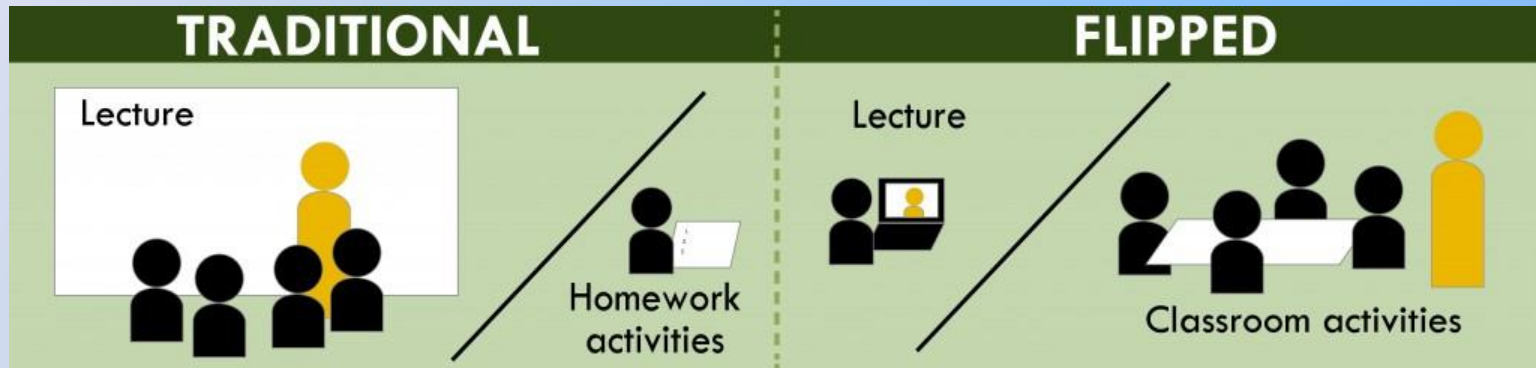
- Walk to the camera
 - Unmute your mike
- Write the question on the discussion forum

Source: <http://monarxy-stocks.deviantart.com/art/Stock-29-Footprints-Desert-190731284>



What discussion forum?

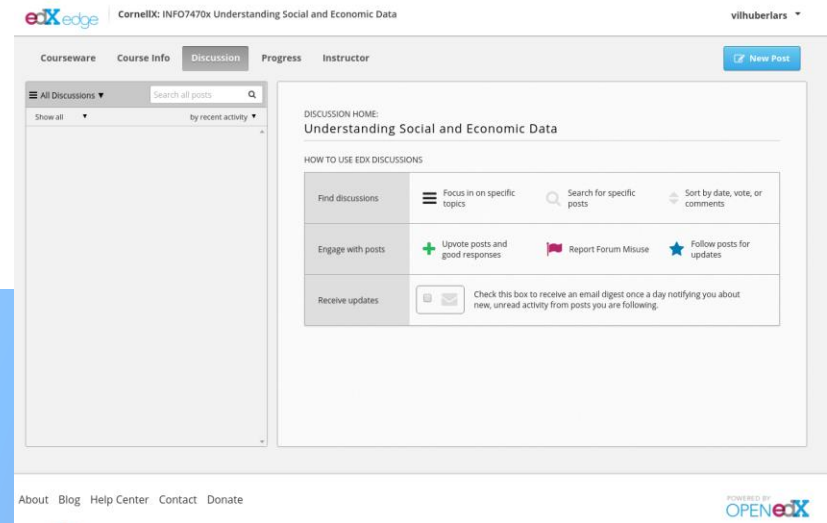
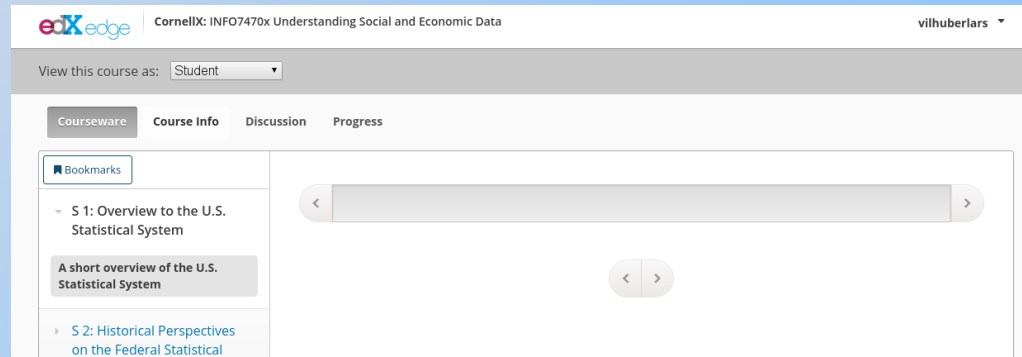
Other technologies



Source: <http://www.washington.edu/teaching/files/2012/11/FlippedClassroomUWcolors-1-1024x242.jpg>

Use of edX platform

- We are a SPOC
 - Small
 - Private
 - Online
 - Class



Combination of resources

- Primary information:

www.vrdc.cornell.edu/info747x

- Calendar
- Links to all other sites
- Syllabus

- Day-to-day information:

edge.edx.org/courses/course-v1: CornellX+INFO7470x+2016/info

(or just go to the primary site and follow links)

- Content:
 - Recorded videos
 - All quizzes/exercises/labs
 - Suggested readings
 - Discussion forums

Calendar



- Filtered presentation class

Men

APR
25
Men

Session 12: Geographic Analysis Methods +
Apr 25 @ 1:25 pm – 4:10 pm

MAY
2
Men

Session 13: Statistical Tools – Complex Data Models +
May 2 @ 1:25 pm – 4:10 pm

MAY
9
Men

Session 14: Synthetic Data +
May 9 @ 1:25 pm – 4:10 pm

< FEBRUARY – MAY 2016 >

Subscribe to filtered calendar ▲

for 2016, all times

Collaps All Expand All

Previous versions of the course can be found in our archive

FEB
8
Men

Session 2: History of the Federal Statistical Infrastructure +
Feb 8 @ 1:25 pm – 4:10 pm

FEB
15
Men

Session 3: Universes, Populations, Frames, and Sampling +
Feb 15 @ 1:25 pm – 4:10 pm

FEB
22
Men

Session 4: Measuring People and Households +

edX

- We will enroll you
 - If you have never used edX, you will get an email
 - If you have previously used edX, you're all set

The screenshot shows the edX course interface for 'CornellX: INFO7470x Understanding Social and Economic Data'. The user is logged in as 'vilhuberlars'. The course is viewed as a 'Student'. The navigation tabs are 'Courseware', 'Course Info', 'Discussion', and 'Progress'. The 'Courseware' tab is active, showing a list of sections under 'Bookmarks'. The first section is 'S 1: Overview to the U.S. Statistical System', which is expanded to show a short overview and a list of sub-sections: 'S 2: Historical Perspectives on the Federal Statistical System', 'S 3: Universes, Populations, Frames, and Sampling', 'S 4: Measuring People and Households', 'S 5: Measuring Business and Economic Activity', 'S 6: Statistics of Jobs', and 'S 7: LEHD RDC Data Products'. The main content area is currently empty, with a large horizontal scrollbar and navigation arrows.

- Once enrolled, you will
 - View videos for **designated** sessions
 - Do quizzes, exercises for **ALL** sessions
 - Participate in the discussion forums
 - See updates/news from instructors

edXedge CornellX: INFO7470x Understanding Social and Economic Data vilhuberlars

View this course as: Student

Courseware Course Info Discussion Progress

Bookmarks

- › S 1: Overview to the U.S. Statistical System
- › S 2: Historical Perspectives on the Federal Statistical System
- S3: Universes, Populations, Frames, and Sampling
 - What is a Census? Homework
 - Censuses, Surveys, and Administrative Records Homework
 - Basic Sampling Definitions Homework
 - Geographic Concepts in Frame Creation
 - Entities – Housing Units, Group Quarters, Business Establishments, and Government Entities
 - Demographic Sampling Frames
 - Economic Sampling Frames
 - Connecting Demographic and Economic Sampling Frames

S3: Universes, Populations, Frames, and Sampling > What is a Census? > Video: What is a Census?

VIDEO: WHAT IS A CENSUS?

Census

- An attempt to enumerate every entity in a specified universe (target population)

“Perhaps the earliest type of survey is the census, generally conducted by governments. Censuses are systematic efforts to count an entire population, often for purposes of taxation or political representation.” (Groves et al. *Survey Methodology*, 2004, pp. 3-4.)

0:00 / 9:18 Speed 1.0x

Role of the classroom

- We meet every week, unless otherwise cancelled
 - February 15 (President's day)
 - March 28 (Cornell Spring Break)
- Live sessions (1-2, 7, 10-14)
 - Core material presented in class
 - Discussion in classroom and online forum
- Flipped classroom sessions (3-6)
 - Core material presented on edX
 - Discussion in classroom and online forum
- Hybrid (8-9)

Hybrid sessions

- In some sessions, which we will call “hybrid”
 - Part of the topics covered in the session are “flipped classroom” materials on edX
 - Additional topics are handled in “live presentation”
 - no edX materials available
 - primary information source is the live presentation
- We aim to have no more than **2.5 hours** of total material in any class

Exercises and labs

- First half of the class
 - Quizzes
 - Self-assessment
- Second half of the class
 - Computational exercises in programming language of your choice
 - Project proposal
 - Peer-assessment (of programming, of writing)

Instructor team

Instructors (vrdc.cornell.edu/info747x/summary/#Instructors)

- John Abowd
- Lars Vilhuber
- Warren Brown

Assisted by (vrdc.cornell.edu/info747x/summary/team/)

- Flavio Stanchi
- Sylverie Herbert

Guest lecturers

Session 2:

- [Margo Anderson, University of Wisconsin-Milwaukee](#)

Session 4

- [Connie Citro, Committee on National Statistics \(CNSTAT\)](#)

Session 7

- [Brent Hueth, University of Wisconsin-Madison](#)
- [Jennifer Parker, National Center for Health Statistics](#)
- Kristen Monaco and Nicole Nestoriak (BLS)

Guest lecturers

Session 8

- [Matthias Umkehrer, Institute for Employment Research, Germany](#)
- Kristen Monaco (BLS)

Session 9

- [Jacob Bournazian, Energy Information Administration](#)