

Course on Global Data and Statistics
Division of Global Affairs, Rutgers the State University of New Jersey
Fall, 2013

Instructors

Introduction by Jean-Marc Coicaud

Mark Aakhus

Howard Friedman

Ronald Jansen

Robert Kirkpatrick

Gregg Van Ryzin

The course is being offered by several key specialists in the fields of statistics and data on an international level. It is geared towards giving students an understanding of how data is collected, analyzed and utilized globally through various channels. The course will begin with a historical approach to the evolution of global statistics and data collection. The following sessions will each analyze an aspect of global statistics. Students will be required to perform the readings and to participate in class exercises.

Requirements:

- **Attendance is mandatory. If a student misses more than three classes without good reason, he or she will be unable to get credit for the course.**
- **Each session will be from 11:00am-1:40pm on Mondays**
- **Assigned readings are mandatory, students should be expected to be asked about readings in class.**
- **Active participation is required in class and represents 30% of the final grade.**
- **A final paper of 4,000 words, representing 70% of the final grade, is required at the end of the class for the final grade.**
 - **Students must agree on a topic with the instructors no later than October 28.**
 - **The first draft of the paper will be due by November 18. Based on the feedback provided by the instructors, the students will finalize their paper by December 13 at the latest.**
 - **No extensions will be given, if the paper is not submitted by the due date you will receive a failing grade for that percentage of the course.**

September 9: Jean-Marc Coicaud "Overview of the course and of the Issues surrounding Global Data"

- Ulrich Beck, *The Cosmopolitan Vision* (Cambridge, Polity Press, 2008), Chapter 1.

- Hermann Habermann, “The Role of National Statistical Offices in Global Statistical Systems”, in *Statistical Journal of the IAOS: Journal of the International Association for Official Statistics* (Amsterdam, The Netherlands, Volume 25, Number 1-2, 2008).
- Jan Aart Scholte, “Defining Globalisation”, in *The World Economy* (Wiley-Blackwell, Wiley Online Library, Volume 31, Issue 11, November 2008).

September 16: Jean-Marc Coicaud “Importance and challenges of addressing issues of global data”

- Enrico Giovannini, “The Quality of International Statistics: Outstanding Issues and Proposals for Improvement”, paper presented at the Second European Central Bank Conference on Statistics, April 22-23, 2004, in *Statistics and their Use for Monetary and Economic Policy-Making (Frankfurt am Main, European Central Bank, 2004)*.
- Peter M. Haas, “When does Power Listen to Truth? A Constructivist Approach to the Policy Process”, in *Journal of European Public Policy* (London, Routledge, Volume 11, Issue 4, 2004).
- Jean-Michel Severino and Olivier Ray, “The End of ODA: Death and Rebirth of a Global Public Policy”, in *Working Paper Number 167* (Washington, DC, Center for Global Development, March 2009).
- Michael J. Tierney, Daniel L. Nielson and Darren G. Hawkins, J. Timmons Roberts, Michael G. Findley, Ryan M. Powers, Bradley Parks, Sven E. Wilson, and Robert L. Hicks, “More Dollars than Sense: Refining our Knowledge of Development Finance using Aid Data”, in *World Development: The Multi-Disciplinary International Journal Devoted to the Study and Promotion of World Development* (Amsterdam, Elsevier, Volume 39, Number 11, 2011).
- Michael Ward, *Quantifying the World: UN Ideas and Statistics* (Bloomington, IN, Indiana University Press, 2004), chapter 2, 3, and 4.

September 23: Ronald Jansen “History of the Global Statistical System”

Required reading:

- Ward, M., 2002, *Aspects of ‘Quantifying the World: UN Ideas and Statistics’*, IDS, Sussex University, see http://www.unhistory.org/reviews/FDS_Ward.pdf

Suggested reading:

- Ward, M., 2004, *Quantifying the World; UN Ideas and Statistics*, UNIHP, New York: Indiana University Press.

- United Nations Statistics Division, 2013, *United Nations Statistical Commission Orientation*, New York, see <http://unstats.un.org/unsd/statcom/doc13/WelcomeKit-2013.pdf>
- United Nations Statistics Division, 2013, *Major work areas and accomplishments*, New York, see http://unstats.un.org/unsd/statcom/brochures/UNSD_Brochure.pdf
- **Suggested web pages:**
- <http://unstats.un.org/unsd/statcom/commission.htm>
- <http://unstats.un.org/unsd/statcom/Table-AgendalItems2000-2013.pdf>
- http://unstats.un.org/unsd/statcom/commission_past_meetings.htm
- <http://unstats.un.org/unsd/statcom/table-chairs.pdf>
- <http://unstats.un.org/unsd/aboutus.htm>

September 30: Ronald Jansen “*Global statistics for the Broader Measures of Progress*”

Required reading:

United Nations, 2013, *Lessons Learned from MDG Monitoring from a Statistical Perspective*, New York, [http://unstats.un.org/unsd/broaderprogress/pdf/Lesson%20Learned%20from%20MDG%20Monitoring_2013-03-22%20\(IAEG\).pdf](http://unstats.un.org/unsd/broaderprogress/pdf/Lesson%20Learned%20from%20MDG%20Monitoring_2013-03-22%20(IAEG).pdf)

United Nations, 2013, *Process Overview*, New York, see [http://unstats.un.org/unsd/broaderprogress/pdf/Post-2015%20Process%20overview%20\(May%202013\).pdf](http://unstats.un.org/unsd/broaderprogress/pdf/Post-2015%20Process%20overview%20(May%202013).pdf)

Suggested reading:

- United Nations, 2013, *Statistics and indicators for the post-2015 development agenda*, New York, see <http://unstats.un.org/unsd/broaderprogress/pdf/Statistics%20and%20indicators%20for%20the%20post-2015%20development%20agenda.pdf>
- United Nations, 2012, *The Future We Want: Outcome document adopted at Rio+20*, New York, see <http://unstats.un.org/unsd/broaderprogress/pdf/The%20Future%20We%20Want%2019%20June%201230p.m.pdf>
- High-Level Panel of Eminent Persons on the Post-2015 Development Agenda, 2013, *A New Global Partnership: Eradicate Poverty and Transform Economies through Sustainable Development*, New York, <http://unstats.un.org/unsd/broaderprogress/pdf/Report%20of%20the%20High-Level%20Panel%20of%20Eminent%20Persons.pdf>
- United Nations Economic Commission of Europe, 2009, *Measuring Sustainable Development*, Geneva, [http://unstats.un.org/unsd/broaderprogress/pdf/Measuring_sustainable_development%20\(UNECE,OECD,Eurostat\).pdf](http://unstats.un.org/unsd/broaderprogress/pdf/Measuring_sustainable_development%20(UNECE,OECD,Eurostat).pdf)
- United Nations, 2012, *System of Environmental-Economic Accounting, Central Framework*, New York, see http://unstats.un.org/unsd/envaccounting/White_cover.pdf

Suggested web pages:

- <http://unstats.un.org/unsd/broaderprogress/default.htm>
- <http://unstats.un.org/unsd/broaderprogress/development.html>
- <http://www.un.org/millenniumgoals/beyond2015-resources.shtml>
- <http://unstats.un.org/unsd/envaccounting/seea.asp>

October 7: Howard Friedman *“OneHealth tool and Global Resource Estimates for Health”*

- Discussion of the OneHealth tool, please download and install the software on a non-Mac computer. www.futuresinstitute.org/Download/Spectrum/OneHealthInstall.EXE
 - Please read the OneHealth manual on Blackboard
- **Article will be uploaded once sent**

October 14: Gregg Van Ryzin *“International Surveys”*

- Pew Research, Global Attitudes Project (2013). "Climate Change and Financial Instability Seen as Top Global Threats."
- Delhey, J., Welzel, C. (2012). "Generalizing Trust - How Outgroup-Trust Grows Beyond Ingroup-Trust." *World Values Research* 5 (3): 49-74

October 21: Gregg Van Ryzin *“International Surveys continued”*

- Computer lab exercise

October 28: Ronald Jansen *“Measuring interconnectedness of nations through Global Value Chains”*

Required reading:

United Nations, 2013, International Trade Statistics, E/CN.3/2013/7, see <http://unstats.un.org/unsd/statcom/doc13/2013-7-TradeStats-E.pdf>

WTO & IDE-JETRO, 2011, *Trade patterns and global value chains in East Asia*, see http://www.wto.org/english/res_e/booksp_e/stat_tradepat_globvalchains_e.pdf

Suggested reading:

- Sturgeon, Timothy, 2013, *Global Value Chains and Economic Globalization - Towards a New Measurement Framework*, MIT, see http://epp.eurostat.ec.europa.eu/portal/page/portal/european_business/documents/Sturgeon_report_Eurostat.pdf
- OECD, 2013, *Interconnected economies: benefiting from global value chains*, Paris, see <http://www.oecd.org/sti/ind/interconnected-economies-GVCs-synthesis.pdf>
- WTO, 2013, *Aid for Trade at a Glance 2013 – connecting to value chains*, Geneva, see http://www.wto.org/english/res_e/booksp_e/aid4trade13_e.pdf
- UNCTAD, 2013, *World Investment Report 2013 – Global Value Chains: Investment and Trade for Development*, Geneva, see http://unctad.org/en/PublicationsLibrary/wir2013_en.pdf

Suggested web pages:

- <http://unstats.un.org/unsd/trade/globalforum/default.asp>
- http://epp.eurostat.ec.europa.eu/statistics_explained/index.php/Global_value_chains
- http://www.wto.org/english/tratop_e/devel_e/a4t_e/aid4trade_e.htm
- <http://www.oecd.org/sti/ind/global-value-chains.htm>

November 4: Ronald Jansen *“Modernization of statistical systems and the use of Big Data”***Required reading:**

- UNECE, 2013, *Report of the High-level Group on the modernisation of statistical production and services*, Geneva, see <http://www.unece.org/fileadmin/DAM/stats/documents/ece/ces/2013/2.pdf>
- UNECE, 2013, *What does “Big data” mean for official statistics?*, Geneva, see http://www.unece.org/fileadmin/DAM/stats/documents/ece/ces/2013/20-HLG_big_data.pdf
- United Nations Statistics Division, 2013, *Big Data for Policy, Development and Official Statistics*, New York, see http://unstats.un.org/unsd/statcom/statcom_2013/seminars/Big_Data/concept_note.pdf

Suggested web pages:

- <http://www.unescap.org/stat/meet/msis2013/>
- http://unstats.un.org/unsd/statcom/statcom_2013/seminars/Big_Data/default.html
- <http://www.oecd.org/sti/ieconomy/iccptechnologyforesightforum-harnessingdataasanevsourceofgrowthbigdataanalyticsandpolicies-agenda.htm>

November 11: Robert Kirkpatrick *“UN Global Pulse and Big Data”***November 18:** Mark Aakhus *“Re-thinking 'infrastructure' and its decision-making consequences”*

- Star, S. L., & Ruhleder, K. (1996). Steps toward an ecology of infrastructure: Design and Access for Large Information Spaces. *Information Systems Research*, 7(1), 111–134.
- Bowker, G. C., & Star, S. L. (1999). *Sorting Things Out: Classification and Its Consequences*. *The Journal of Academic Librarianship* (Vol. 26, p.377). Cambridge, MA: MIT Press. doi:10.1016/S0099-1333(00)00155-5

- Bowker, G. C., Baker, K., Millerand, F., & Ribes, D. (2007). Towards Information Infrastructure Studies: Ways of Knowing in a Networked Environment. In J. Hunsinger, M. Allen, & L. Klasrup (Eds.), *International Handbook of Internet Research* (pp. 1–20).
- Graham, M. (2002). Disclosure as social policy. In *Democracy by disclosure: The rise of technopopulism*. Washington, D.C.: Brookings Institute.

November 25: Bela Hovy “Global Migration Data – Another Evidence Free Zone?”

- Migrants Count: Five Steps Toward Better Migration Data. Report of the Commission on International Migration Data for Development Research and Policy. Center for Global Development, Washington DC. May 2009
<http://www.cgdev.org/publication/migrants-count-five-steps-toward-better-migration-data>
- Report of the Secretary-General for the High-level Dialogue on International Migration and Development (A/68/190). United Nations. 25 July 2013
<http://daccess-dds-ny.un.org/doc/UNDOC/GEN/N13/408/48/PDF/N1340848.pdf?OpenElement>
<http://www.un.org/esa/population/meetings/HLD2013/mainhld2013.html?materials>
- Department of Economic and Social Affairs, Population Division. Population Facts No. 2013/2 . The number of international migrants worldwide reaches 232 million. United Nations New York, 2013.
<http://esa.un.org/unmigration/wallchart2013.htm>
- Department of Economic and Social Affairs, Population Division. Population Facts No. 2013/3 . International Migration 2013: Migrants by origin and destination. United Nations New York, 2013.
<http://esa.un.org/unmigration/wallchart2013.htm>
- Department of Economic and Social Affairs, Population Division. Population Facts No. 2013/4 . International Migration 2013: Age and Sex Distribution. United Nations New York, 2013.
<http://esa.un.org/unmigration/wallchart2013.htm>
- Department of Economic and Social Affairs, Population Division. International Migration Wallchart 2013. United Nations New York, 2013.
<http://esa.un.org/unmigration/wallchart2013.htm>
- Department of Economic and Social Affairs, Statistics Division. Recommendations on Statistics of International Migration. Revision 1. United Nations New York, 1998.
http://unstats.un.org/unsd/publication/SeriesM/SeriesM_58rev1e.pdf

December 2: Mark Aakhus "*Designing for human uses of information*"

- Keohane, R. O. (2006). Accountability in World Politics. *Political Science*, *29*(2), 75–88.
- Mercier, H. & Sperber, D. The Argumentative Theory of Reasoning: [*http://www.edge.org/conversation/the-argumentative-theory*](http://www.edge.org/conversation/the-argumentative-theory)
- Aakhus, M. (2007). Communication as Design. *Communication Monographs*, *74*(1), 112–117. doi:10.1080/03637750701196383
- Jacobs, S., & Jackson, S. (2006). Derailments of argumentation: It takes two to tango. In P. Houtlosser & A. van Rees (Eds.), *Considering pragma-dialectics* (pp. 121–134). Mahwah, NJ: Lawrence Erlbaum Associates.
- March, J. G. (2006). Rationality, foolishness, and adaptive intelligence. *Strategic Management Journal*, *27*(3), 201–214. doi:10.1002/smj.515

December 9: Dr. Hakker?