

SGU Seminar on Quantitative Tools

Co-hosted by the Organization for Regional and Inter-regional Studies, Waseda University

Statistical Methods Practicum on Election Forensics

Lecturer: Dr. Momar Dieng

Wednesday, October 3th, 2018

13:00 – 18:00 (small breaks included)

**[Venue] Room 558, Building 9
Waseda Campus**

[Language] English

New Year is only three months away, but elections are expected in about 20 countries before the end of 2018. Will all of these elections be free and fair and held without violence? **Election Forensics** can make a contribution to these elections by predicting mathematical characteristics of a fair election.

This seminar offers a **hands-on Stata-based session** for the statistical methods used in Election Forensics. In this session we will review the following methods and illustrate their use on actual election data.

1. Investigations of the distribution of turnout, and relationships between turnout and share of votes.
2. Digit tests (e.g last digit test, second digit test and more generally variants of Benford's law).
3. Investigations of the flow of votes between elections (or rounds in an election) based on ecological regression methods.

***All participants are expected to bring their PC with Stata installed.**



Momar Dieng is a mathematician, development practitioner, and election forensics expert. He has been a visiting faculty in the Department of Mathematics at the University of Arizona, and regularly lectures on quantitative tools for economics and public policy at Harvard University. He received his PhD in Mathematics from the University of California at Davis. He also studied at Harvard's Kennedy School of Government as well as Harvard's Graduate School of Education. He was a Senior Policy Advisor for UNDP Liberia and Senior Technical and Policy Advisor in Senegal's Ministry of Education.

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This seminar is open to all Waseda students, faculty members, and the general public.