

GOKHAN CIFLIKLI

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EDUCATION

- Ph.D.* International Relations. London School of Economics. June 2018
“Modelling Conflict Duration: Insights from Ensemble Learning.” A multi-method dissertation using interviews and GIS data to generate insights that are used to train ensemble machine learning models to improve conflict longevity predictions.
- MSSc.* Peace and Conflict Studies. Uppsala University, Sweden. 2012
- B.A.* International Relations. Kocaeli University, Turkey. 2008

WORK & RESEARCH EXPERIENCE

- Research Experience* Participant, Alan Turing Institute Data Study Group (Fall 2017)
Visiting Student Researcher, UC Berkeley (Spring 2017)
Graduate Research Assistant, UCL (2015-2017)
Attendee, Summer Programme in Quantitative Methods of Social Research in Ann Arbor, MI (2015)
Research Associate, Uppsala Conflict Data Program (2012-2014)
Presenter, 10+ international conferences in US, UK, Ireland, Israel, and Sweden
- Industry Experience* Merchandiser. Li & Fung Limited. Istanbul. 2008–2010
Hong Kong-based global consumer goods exporter specialising in textiles

R PACKAGES · INTERACTIVE APPS

- adavis* Interactive dashboard visualising nearly 70 years of US voting records. Allows users to capture the state of the union, visualise changes from the previous year, compare states head-to-head, and look-up specific representatives. [App](#) | [Code](#)
- gendeR* Exploratory data analysis of 13,000 publications included in the LSE International Relations department syllabi on author gender to quantify the magnitude of publication bias in academia. Collaborated findings on US Ivy League syllabi that show a 80/20 divide in M/F ratio. [App](#) | [Code](#)
- duRation* R package under development as a part of PhD dissertation that accepts survival data as input and outputs a logistic regression model to enable implementation of classification algorithms that improve prediction accuracy of temporal phenomena.
Features: Controls for time-dependency (cubic splines), subsampling, wide range of classification algorithms supported by *caret*, suggests what type of algorithms are appropriate given the data (number of outcome classes, class imbalance, p/n ratio), building an ensemble learner.
- rebelCast · rebelTrack* Collaborative [work](#) with Nils Metternich (UCL) on two open-source R packages to predict global conflict escalation patterns. Contributed to a novel cross-validation technique for time-varying covariates that improves conflict duration prediction by up to 20% (ROC) and doubles the true positive rate (sensitivity) for conflict termination forecasts using machine learning. Public release expected by May 2018.

SKILLS AND AWARDS

- Awards* Multiple awards and grants including a full Ph.D. scholarship totalling +100,000 GBP
- Teaching Experience* Combinatorial game theory (undergraduate); introduction to quantitative methods, quantitative capstone supervision (postgraduate)
- Language* English (fluent), Turkish (native)
- Statistics · Programming · Database* SPSS, STATA (instructor); R (+5 years), Python, SQL