

GOKHAN CIFLIKLI

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EDUCATION

- Ph.D.* International Relations. London School of Economics. 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 learners 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

- rebelCast · rebelTrack* Graduate Research Assistant, University College London. 2015–Present.
Collaborative work on two open-source R packages to predict global conflict escalation patterns. As lead, developed 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. Public release and publication expected by April 2018.
- Fieldwork & Training* Conducted surveys and interviews in Israel and Sierra Leone. Selected to participate at the Alan Turing Institute Data Study Group (Fall 2017). Visited UC Berkeley as a student researcher (Spring 2017). Attended ICPSR Summer Programme in Quantitative Methods of Social Research in Ann Arbor, Michigan (2015). Presented at 10+ international conferences and conveyed technical findings to steering committees.
- Industry Experience* Merchandiser. Li & Fung Limited. Istanbul. 2008–2010.
Hong Kong-based global consumer goods exporter specialising in textiles.

INDEPENDENT PROJECTS · R PACKAGES · SHINY APPS

- duRation* R package 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 ML algorithms are appropriate given the data (number of outcome classes, class imbalance, p/n ratio), building an ensemble learner. Currently being developed for the Ph.D. dissertation; Shiny app to be released at the time of submission.
- gendeR* Exploratory analysis of 13,000 scholarly works included in the LSE International Relations department syllabi on author gender to quantify the magnitude of publication bias in academia. Using visualisations powered by *htmlwidgets*, collaborated the findings on US Ivy League syllabi that show a 80/20 divide in M/F ratio. The interactive dashboard and the underlying code is available on GitHub.
- adamap* Shiny app that maps and tracks yearly changes in legislator voting behaviour in the US based on 36,000 historical votes. Will be donated to the Americans for Democratic Action (ADA) to help them forecast changes in the political climate. Beta version available on GitHub.

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