Ramzy Al-Amine

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Languages: French, English, Arabic

WORK EXPERIENCE

INTERNATIONAL MONETARY FUND 2018 – Current
Research Analyst; Macro Risk Unit, Strategy, Policy, and Review Dept. Washington DC
- Applied machine learning models for risk management and crisis prediction on 189 member countries, and prepared quarterly presentations to Management for contingency planning.
- Applied natural language processing to identify social unrest events from news articles; and developed a 'social unrest' ML module, including data preprocessing, training, and deployment.
- Introduced all-new data visualization techniques in Python and R, including word-clouds for analyzing text data, barbell charts, transformation matrices, and COVID-19 map animations.
- Maintained data in structured databases and developed interactive dashboards for use by staff.
- Produced forecasts for publication in the World Economic Outlook and provided analytical contributions to IMF flagship publications on trade, low-income countries, and fragile states.
- Selected as Innovation Champion for building a metadata search tool that helps economists find series codes using keyword search (e.g., international reserves, trade, income inequality… etc.).

ETUDES ET CONSULTATIONS ECONOMIQUES 2013 – 2016
Junior Consultant Beirut
- Produced financial models and equity valuations using the DCF method.
- Developed the business plan for a $45 Million glass project, including market analysis, financial projections, and valuation, and presented to investors who subsequently funded the project.
- Designed and implemented a M&E framework for a development program targeting women micro-entrepreneurs, including survey design, analysis of results, and drafted a policy paper to stakeholders and government officials.

EDUCATION

GEORGETOWN UNIVERSITY – *Master's of Arts in Applied Economics (Focus: Int'l Finance), GPA 3.90*

AMERICAN UNIVERSITY OF BEIRUT – *Bachelor's of Arts in Economics (Focus: Macroeconomics)*

CORE COMPETENCIES

- **Programming:** Python (2 years), R (2 years), Stata (4 years), Tableau, Git, SQL, D3, HTML, CSS
- **Econometrics:** OLS, Fixed Effects, 2SLS, Causal Inference (RCT, Reg. Discontinuity, Matching Methods, IV)
- **Machine Learning**: Classification and regression Models, Support Vector Machines, Tree Methods, Deep Learning algorithms, Computer Vision, Neural Networks, Shapley, NLP, Topic Modeling, Sentiment Analysis
- **Data:** Exploration, analysis, cleaning, statistical analysis, modeling, web scraping, survey design, data visualization.

PUBLICATIONS

- Investor Sentiment, Sovereign Debt Mispricing, and Economic Outcomes; IMF Working Paper, Aug. 2020
- Quantifying the Contribution of NBA Coaches using Fixed Effects; Article on Medium, Oct. 2020
- Economic Integration in the Maghreb: An Untapped Source of Growth; IMF Policy Paper, Feb. 2019
- Counting the Cost: How much is Lebanon's economy being hurt by Syria's crisis; Article, Aug. 2013
- Politics is Stopping us Help Syrians; Interview with Government Official; Aug. 2013