

DAVID MIHALYI

I am a development economist passionate about public finance, natural resources and economic transformation. Over the last 10 years I have worked on these issues from within government, think tank and academia as an advisor, trainer, lecturer, researcher and civil servant.



CURRENT POSITIONS

Current
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2014



Senior Economic Analyst

Natural Resource Governance Institute (NRGI)

📍 UK/US

- A non-profit think tank providing technical assistance, training, applied research on extractive sector management and governance.
- I advise policy makers on economic decisions faced by resource-rich countries in Ghana, Guyana, Mongolia, Uganda and Tanzania (see country policy articles section).
- I lead NRGI's global work on resource revenue management, coordinating and overseeing technical assistance, research and training delivery on the topic.
- Designed the methodology of World Bank's Mining Investment and Governance Review, contributed to building data projects including Resource Governance Index, ResourceProjects.org, NationalOilCompanyData.org
- Working with and coordinating a global network of experts related to natural resource governance; representing the organization at international conferences.
- Since 2016, I am based based at the Central European University (CEU) in Hungary as a research fellow based on a cooperation agreement between NRGI-CEU.

Current
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2016



Research Fellow

Central European University, School of Public Policy

📍 Hungary

- My research centers on macroeconomic challenges facing resource-rich countries.
- I teach development economics & resource revenue management. I am a lead faculty at 2 week long professional course 'Reversing the Resource Curse: Theory and Practice' at CEU (see teaching and training section).
- I present my research at academic and policy conferences (see conferences section).

Current
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2019



Member of Budget Committee

General Assembly of Budapest

📍 Hungary

- Appointed by the elected members of the General Assembly of Budapest (capital city with a population of 2 million) to sit on the budget committee as an external expert member.
- I review draft proposals and amendments relating to the capital city's public finances ahead of tabling them in the General Assembly.
- I provide advice on strategic decisions facing the city's public finances.

CONTACT

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🔗 davidmihalyi.com

LANGUAGE SKILLS



PROGRAMING SKILLS



Last updated on 2020-05-31.




PREVIOUS EXPERIENCE


2013
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2011

- **Economist, ODI Fellow**
Ministry of Finance and Economic Development  Sierra Leone
 - Member of the Budget Bureau. Placement through ODI Fellowship scheme sponsored by UK government.
 - Main responsibility was to support budget planning and monitoring by providing analytical reports, forecasts and briefing senior government officials.
 - Updated macro-fiscal projections, made budget impact evaluations, advised in discussions with donors, consultants and multilateral institutions, wrote briefing material ahead of IMF missions.
 - I made major contributions to mineral taxation evaluation and forecasting, medium-term macroeconomic projections and developing a proposal for a new fiscal rule for Sierra Leone.


2011

- **Junior Economist**
Central Bank of Hungary  Hungary
 - Member of the fiscal analysis team.
 - Main task was to provide budgetary forecasts for the Inflation Report and provide regular assessment of newly arising budget proposals and fiscal developments.
 - Worked on improving forecasting methodologies and provided briefings to the Monetary Council of the Central Bank.

2010
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2009

- **Junior Economist**
Office of the Fiscal Council  Hungary
 - Joined this newly set up independent state institution tasked with making fiscal analysis and budget projections for Parliament.
 - Main task was to gather data, develop methodology and then provide budgetary forecasts of spending side.
 - The institution was dissolved a year later after a change of government.

2009

- **Junior Economist (Intern)**
Department for Work and Pensions  UK
 - Enrolled through the Government Economic Service program for a 3-month internship
 - I worked on assessing the effectiveness of social policies targeting the elderly.

I have worked as a fiscal economist in a variety of roles in both developed and developing country settings.



EDUCATION

- 2010
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2009
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2008

● **Microeconometrics Summer School**
 Barcelona Graduate School of Economics

• Studied impact evaluation and other empirical techniques.

Spain
- 2009
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2008

● **Msc in Economics and Development Economics**
 University of Nottingham

• Graduated with merit

UK
- 2008
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2002

● **MA Program in Economics. Major: World Economics**
 Corvinus University of Budapest (CUB)

• Graduated with merit.
 • Advanced Mathematics, Economics.

Hungary
- 2008
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2004

● **College**
 Rajk László College for Advanced Studies

• Graduated with distinction.
 • Head of the Council for Academic Activities - Elected to lead five-person team responsible for the organization of courses, other academic activities for college members.

Hungary
- 2006
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2005

● **Erasmus Scholarship**
 IEP Sciences Po, Paris

• Studied social sciences and international development (in French).

France



GENERAL POLICY ARTICLES

- 2020

● **Resource-Backed Loans: Pitfalls and Potential¹**
 Natural Resource Governance Institute

• Authored with Jyhjong Hwang, Aisha Adam
 • Analysis of public finance risks related to resource backed lending based on original dataset
 • Featured in Reuters², Quartz Africa³, South China Morning Post⁴
 • Cited by IMF Policy Paper 20/003⁵

Key topics include fiscal rules, fuel subsidies, resource backed loans, national oil companies, sovereign wealth funds.

- 2019 ● **Massive and Misunderstood: Data-Driven Insights into National Oil Companies⁶**
Natural Resource Governance Institute
- Authored with Patrick Heller
 - Analysis of original dataset on the balance sheet of 71 national oil companies
 - Op-ed in Foreign Policy⁷
 - Cited by IMF Fiscal Monitor April 2020⁸
- 2019 ● **Hidden Giants⁹**
Finance and Development, IMF
- Authored with Patrick Heller, David Manley
 - Discussion of risks related to national oil companies in light of energy transition
- 2018 ● **Premature Funds: How Overenthusiasm and Bad Advice Can Leave Countries Poorer¹⁰**
Natural Resource Governance Institute
- Authored with Andrew Bauer
 - Discussion of risks related to establishing Sovereign Wealth Funds in countries with no sizable net savings
 - Short summary on IMF PFM blog¹¹
- 2018 ● **The Presource Curse¹²**
Finance and Development, IMF
- Authored with James Cust
 - Summary and policy implications of our research on short-term growth impacts of giant oil discoveries
- 2018 ● **How did fiscal rules hold up in the commodity price crash?¹³**
Natural Resource Governance Institute
- Authored with Liliana Fernandez
 - Analysis of compliance with fiscal rule in resource rich countries
 - Short summary on IMF PFM blog¹⁴
- 2016 ● **Mining Investment and Governance Review¹⁵**
World Bank (Extractives Global Practice)
- Lead on methodology and questionnaire design.
 - The Mining Investment and Governance Review was a WB analytical tool designed to strengthen the mining sector's governance, investment environment and development impact.



COUNTRY POLICY ARTICLES

- 2020 ● **Challenges and Opportunities in Managing Guyana's Oil Wealth¹⁶**
Oil, Gas & Energy Law
- Authored with Andrew Bauer
 - Analysis of Guyana's proposed framework for managing oil wealth
- 2019 ● **Uncertain Potential: Managing Tanzania's Gas Revenues¹⁷**
Book Chapter in Governing Petroleum Resources Prospects and Challenges for Tanzania. Ed: Chr. Michelsen Institute & REPOA.
- Authored with Thomas Scurfield
 - Analysis of the viability of Tanzania's gas sector and its potential impact on public finance
 - Underlying discounted cash flow model of LNG project available open source¹⁸
- 2017 ● **Optimizing Ghana's Fiscal Rule¹⁹**
Natural Resource Governance Institute
- Authored with Aisha Adam
 - Discussion of fiscal rule options for Ghana
- 2017 ● **Mongolia Fiscal Sustainability Report²⁰**
Natural Resource Governance Institute
- Authored with Andrew Bauer, Ragchaasuren Galindev, Munkh-Orgil Lkhagvajav and Nomuuntugs Tuvaan
 - Analysis of long-term debt sustainability outlook of Mongolia in light of large mining sector investments
 - Underlying macro-fiscal model available open source
- 2017 ● **Mongolia Macro-Fiscal Model²¹**
Natural Resource Governance Institute
- Authored with Daniel Baksa, Balazs Romhanyi
 - Description and documentation of model used for Mongolia Sustainability Reports
 - A small-scale, semi-structural macroeconomic model providing long-term projections of mining sector, fiscal and economic variables. All built in Excel and available open source.
- 2013 ● **An empirical analysis of the fiscal effects of fuel taxation**
Economic Bulletin, Government of Sierra Leone
- An analysis of Sierra Leone's fuel pricing system
 - Analysis prepared to inform phasing out of fuel subsidies.

Worked mainly on Ghana, Guyana, Hungary, Mongolia, Uganda, Sierra Leone, Tanzania.



RESEARCH WORKING PAPERS

- 2019 ● **Text-mining IMF country reports – An Original Dataset²²**
MPRA Paper No. 100656
- Authored with Akos Mate
 - Demonstration of a novel dataset based on text of IMF Article IV reports to study fiscal policy adoption
 - Presented at Political Economy of International Organization (PEIO) 2019 and CSAE 2019 conference.
- 2019 ● **Bust before the boom? Macroeconomic responses to oil discoveries²³**
CSAE Working Paper 2020
- Authored with James Cust, Mohamed Diaby, Torfinn Harding
 - Empirical assessment of the differential borrowing response of countries to giant oil discoveries
 - Accepted for presentation at CSAE 2020 conference.
- 2017 ● **Evidence for a presource curse? Oil discoveries, elevated expectations, and growth disappointments²⁴**
World Bank Policy Research Working Paper 8140.
- Authored with James Cust
 - Empirical assessment of short-term growth impacts of giant oil discoveries
 - Featured in The Economist²⁵
 - Cited by IMF Guidance Note on the Bank-Fund Debt Sustainability Framework for Low Income Countries 2018²⁶
- 2008 ● **Daron Acemoglu the winner of the 2007 János Neumann Prize of the László Rajk Specialist College²⁷**
Közgazdasági Szemle (Economic Review - monthly of the Hungarian Academy of Sciences).
- With Reka Juhasz and Gyozo Gyongyosi
 - Piece written to summarize the research of Daron Acemoglu and announcing his prize acceptance lecture at my former college
 - Also served as an introduction to a book I co-edited translating his selected works into Hungarian, published as "The origins of economic development – a selection of the works of Daron Acemoglu"²⁸

My research explores cross-country differences in fiscal policy using mixed empirical techniques.



TEACHING EXPERIENCE

- Current
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2018

● **Development Economics**
Department of Economics, Eötvös Loránd University

• Lecture to undergraduate students

📍 Hungary
- Current
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2017

● **Development Economics**
Rajk Laszlo College, HU

• Small group seminars

📍 Hungary
- 2012

● **Intermediate Macroeconomics lecture**
Fourah Bay College, Sierra Leone

• Lecture to undergraduate students

📍 Sierra Leone
- 2007

● **Comparative Economics**
Comparative Economics Department, Corvinus University

• Teaching assistant

📍 Hungary

I am passionate about education and mentoring.



TRAININGS DELIVERED

Delivered training for the IMF CEF in Kuwait, NRGi courses in Accra, Budapest, Istanbul, Yaounde (in French). Other trainings/hackathons led in Harare, Lagos, London, Washington DC.



PRESENTATIONS AT CONFERENCES

World Bank Extractives Industries Week (DC), IMF seminar at FAD & Forum on Resource-Rich Economies (DC), Interdisciplinary Sovereign Debt Research and Management (DebtCon) Conference (DC), Data for Policy (Cambridge), CSAE (Oxford), ICMM tax seminar (London), International Open Data Conference (Mexico City), CERGIED workshop on Chinese investments in Central Africa (N'Djamena), CEU research seminar (Budapest), LCPS conference on Governance, Macroeconomics and Diversification in MENA (Beirut).

- 1: <https://resourcegovernance.org/analysis-tools/publications/resource-backed-loans-pitfalls-potential>
- 2: <https://www.reuters.com/article/commodities-loans-africa-americas/chinese-commodity-backed-loans-crippling-africa-and-latin-america-report-idUSL5N2AP3NL>
- 3: <https://qz.com/africa/1818645/african-economies-burdened-with-commodities-debt-as-prices-tumble/>
- 4: <https://www.scmp.com/news/china/diplomacy/article/3073993/how-chinese-loans-can-become-perilous-pitfalls-africa>
- 5: <https://www.imf.org/en/Publications/Policy-Papers/Issues/2020/02/05/The-Evolution-of-Public-Debt-Vulnerabilities-In-Lower-Income-Economies-49018>
- 6: <https://resourcegovernance.org/analysis-tools/publications/massive-and-misunderstood-data-driven-insights-national-oil-companies>
- 7: <https://foreignpolicy.com/2019/06/05/oils-power-players/>
- 8: <https://www.imf.org/-/media/Files/Publications/fiscal-monitor/2020/April/English/ch3.ashx?la=en>
- 9: <https://www.imf.org/external/pubs/ft/fandd/2019/12/national-oil-companies-need-more-transparency-manley.htm>
- 10: <https://resourcegovernance.org/sites/default/files/documents/premature-funds.pdf>
- 11: <https://blog-pfm.imf.org/pfmblog/2018/01/how-premature-funds-can-leave-countries-poorer.html>
- 12: <https://www.imf.org/external/pubs/ft/fandd/2017/12/cust.htm>
- 13: <https://resourcegovernance.org/sites/default/files/documents/fiscal-rules-commodity-crash.pdf>
- 14: <https://blog-pfm.imf.org/pfmblog/2018/09/-how-did-fiscal-rules-hold-up-in-the-commodity-price-crash-.html>
- 15: <http://pubdocs.worldbank.org/en/820281467130610343/MInGov-Factsheet-160827-clean.pdf>
- 16: <https://www.ogel.org/article.asp?key=3879>
- 17: <https://www.cmi.no/publications/file/7029-governing-petroleum-resources-prospects-and-challenges-for-tanzania.pdf>
- 18: <https://www.resourcedata.org/dataset/tanzania-Ing-analysis>
- 19: <https://resourcegovernance.org/sites/default/files/documents/optimize-ghana-fisal-rule.pdf>
- 20: <https://resourcegovernance.org/analysis-tools/publications/fiscal-sustainability-mongolia>
- 21: <https://resourcegovernance.org/analysis-tools/tools/mongolia-macro-fiscal-model>
- 22: https://mpira.ub.uni-muenchen.de/100656/1/MPRA_paper_100656.pdf
- 23: <https://custom.cvent.com/4E741122FD8B4A1B97E483EC8BB51CC4/files/macrobomb13.pdf>
- 24: <http://documents.worldbank.org/curated/en/517431499697641884/Evidence-for-a-presource-curse-oil-discoveries-elevated-expectations-and-growth-disappointments>
- 25: <https://www.economist.com/middle-east-and-africa/2019/04/04/uganda-tries-to-dodge-the-presource-curse>
- 26: <https://www.imf.org/en/Publications/Policy-Papers/Issues/2018/02/14/pp122617guidance-note-on-lic-dsf>
- 27: <https://ideas.repec.org/a/ksa/szemle/1037.html>
- 28: <https://www.antikvarium.hu/konyv/daron-acemoglu-a-gazdasagi-fejlodes-gyokerei-635110>