RAMIRO H. GALVEZ

Universidad Torcuato Di Tella
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CURRENT POSITION

2021 – Present
UNIVERSIDAD TORCUATO DI TELLA – SCHOOL OF BUSINESS: *Assistant Professor (Tenure Track)*

EDUCATION

March 2021
UNIVERSIDAD NACIONAL DE BUENOS AIRES. FACULTAD DE CIENCIAS EXACTAS. Buenos Aires, Argentina
- *Ph.D. in Computer Science*

March 2016
UNIVERSIDAD NACIONAL DE BUENOS AIRES. FACULTAD DE CIENCIAS EXACTAS. Buenos Aires, Argentina
- *M.S. in Data Mining & Knowledge Discovery*

August 2008
UNIVERSIDAD CARLOS III DE MADRID. Madrid, Spain
- *M.S. in Development Economics*

February 2007
UNIVERSIDAD NACIONAL DE CÓRDOBA. FACULTAD DE CIENCIAS ECONÓMICAS. Córdoba, Argentina
- *B.S. in Economics*

RESEARCH

My research interests center in studying how state-of-the-art machine learning and natural language processing (NLP) techniques can aid in understanding social, business and economic phenomena.

Areas of Interest and Expertise:
- *Machine Learning*
- *Economics*
- *Natural Language Processing (text and speech)*

Published Papers in International Refereed Indexed Academic Journals:

- **Gálvez, R. H.**; Gravano, A.; Beňuš, Š.; Levitan, R.; Trnka, M. and Hirschberg, J. (2020), "An empirical study of the effect of acoustic-prosodic entrainment on the perceived trustworthiness of conversational avatars." *Speech Communication*. doi: 10.1016/j.specom.2020.07.007 (download)

- Anauati, V.; Galiani, S. and **Gálvez, R. H.** (2019), "Differences in citation patterns across journal tiers: The case of economics." *Economic Inquiry*. doi: 10.1111/ecin.12867. (download). Media coverage: VoxEU

- Galiani, S. and **Gálvez, R. H.** (2019), "An empirical approach based on quantile regression for estimating citation ageing." *Journal of Informetrics*. doi: 10.1016/j.joi.2019.03.014. (download). Media coverage: VoxEU

- **Gálvez, R.H.**; Tiffenberg, V. and Altszyler, E. (2019), "Half a Century of Stereotyping Associations between Gender and Intellectual Ability in Films." *Sex Roles*. doi: 10.1007/s11199-019-01034-y. (download). Media coverage: VoxEU, Nexciencia

- Di Tella, R.; Freira, L.; **Gálvez, R. H.**; Schargrodsky, E.; Shalom, D. and Sigman, M. (2017), "Crime and Violence: Desensitization in Victims to Watching Criminal Events." *Journal of Economic Behavior & Organization*. doi: 10.1016/j.jebo.2017.10.005. (download). Media coverage: VoxEU

- **Gálvez, R. H.** (2017), "Assessing author self-citation as a mechanism of relevant knowledge diffusion." *Scientometrics*. doi: 10.1007/s11192-017-2330-1. (download)

- **Gálvez, R. H.** and Gravano, A. (2017), "Assessing the usefulness of online message board mining in automatic stock prediction systems." *Journal of Computational Science*. doi: 10.1016/j.jocs.2017.01.001. (download)

- Anauati, V.; Galiani, S. and **Gálvez, R. H.** (2016), "Quantifying the Life Cycle of Scholarly Articles across Fields of Economic Research." *Economic Inquiry*. doi: 10.1111/ecin.12292. (download). Media coverage: Marginal Revolution, VoxEU

Published Papers in International Refereed Conference Proceedings:[†]

- **Gálvez, R. H.**; Gauder, L.; Luque, J. and Gravano A. (2020), "A unifying framework for modeling acoustic/prosodic entrainment: definition and evaluation on two large corpora." *SigDial 2020*. (download)

- Gauder, L.; Reartes M.; **Gálvez, R.H.**; Beňuš, Š. and Gravano A. (2018), "Testing the effects of acoustic/prosodic entrainment on user behavior at the dialog-act Level." *Speech Prosody 2018*. doi: 10.21437/SpeechProsody.2018-76. (download)

- **Gálvez, R. H.**; Beňuš, Š.; Gravano A. and Trnka, M. (2017), "Prosodic facilitation and interference while judging on the veracity of synthesized statements." *Interspeech 2017*. doi: 10.21437/Interspeech.2017-453. (download)

- Pérez J. M.; **Gálvez, R. H.** and Gravano A. (2016), "Disentrainment may be a positive thing: A novel measure of unsigned acoustic-prosodic synchrony, and its relation to speaker engagement." *Interspeech 2016*. doi: 10.21437/Interspeech.2016-587. (download)

- Levitan, R.; Beňuš, Š.; **Gálvez, R. H.**; Gravano, A.; Savoretti, F.; Trnka, M.; Weise, A. and Hirschberg, J. (2016), "Implementing acoustic-prosodic entrainment in a conversational avatar." *Interspeech 2016*. doi: 10.21437/Interspeech.2016-985. (download)

- **Gálvez, R. H.** and Gravano, A. (2015), "Predicting stock returns in the Argentinean stock market by mining a large corpus of message board posts." Second Conference on Business Analytics in Finance and Industry, Santiago, Chile. (download extended abstract)

Published Book Chapters:

- Anauati, V., Galiani, S. and **Gálvez, R. H.** (2020), "How different are citation patterns across journal tiers in economics?" In Galiani and Paniz (Eds.), "Publishing and Measuring Success in Economics". CEPR Press. Available at: https://voxeu.org/system/files/epublication/Publishing_in_Economics.pdf

- Anauati, V., Galiani, S. and **Gálvez, R. H.** (2020), "Differences in citation ageing patterns across economics research articles are as sharp as those observed across fields of study," In Galiani and Paniz (Eds.), "Publishing and Measuring Success in Economics". CEPR Press. Available at: https://voxeu.org/system/files/epublication/Publishing_in_Economics.pdf

Published Technical Notes:

- Martínez, S., Galiani, S. and **Gálvez, R. H.** (2017), "Impacto de la estrategia de fortalecimiento de cobertura sobre la prestación de servicios de salud en Panamá." *Inter American Development Bank Technical note*. Available at: https://publications.iadb.org/handle/11319/8296

Work in Progress:

- Galiani, S., **Gálvez, R. H.**, Nachman, I., "Specialization Trends in Economics Research: A Large-Scale Study Using Natural Language Processing and Citation Analysis." (download NBER working paper). Status: Submitted to Economic Inquiry, returned with minor revisions

- Ernst, E., **Gálvez, R. H.**, Gravano, A., "Entrainment-Metrics: An Open-Source Python Toolkit for Quantifying Acoustic-Prosodic Entrainment in Spoken Dialogue." Status: Submitted to LREC-Coling 2024

- Di Tella, R., **Gálvez, R. H.** and Schargrodsky E., "Does Social Media cause Polarization? Evidence from Access to Twitter Echo Chambers during the 2019 Argentine Presidential Debate." (download NBER working paper)

TEACHING EXPERIENCE

2014 – Present

UNIVERSIDAD TORCUATO DI TELLA – SCHOOL OF BUSINESS: *Currently as an Assistant Professor and previously as a Part-Time Professor*
- *Present courses:*
    - Data Mining (Master in Management + Analytics)
    - Alternative Data in Finance (Master in Finance, Master in Management + Analytics)
    - MAAN I (BA in Business Economics)
    - TDVI: Artificial Intelligence (BA in Digital Technologies)
- Past courses:
    - MAAN II (BA in Business Economics)
    - Introduction to Data Processing with R (Master in Management + Analytics)
    - Introduction to Data Science (BA in Business Economics)

[†]In speech processing most of the articles are presented in refereed congresses. The publication in journals is less frequent and generally intended to summarize projects of several years' duration.

2017 – Present
PROFESSIONAL TRAINING
- Evolution Partners, Argentina, 2019: Introduction to Programming using Python
- Macroconsulting S.A., Argentina, 2019: Introduction to R Programming
- Jamaica Public Service, Jamaica, 2019: Advanced Data Visualizations using R
- Corporación Andina del Fomento (CAF), Argentina, 2017: Machine Learning for Public Policy

2016 – 2018
UNIVERSIDAD CATÓLICA DE MONTEVIDEO, URUGUAY
- Lecturer in the Winter School in Methods and Data Analysis. Course: Introduction to R Programming

2015 – 2018
UNIVERSIDAD TECNOLÓGICA NACIONAL – BUENOS AIRES BRANCH
- Lecturer in the Postgraduate Certificate Program in Data Mining

2006 – 2007
UNIVERSIDAD NACIONAL DE CÓRDOBA
- Teaching Assistant in Statistics III and Public Finance

CONSULTING AND OTHER WORKING EXPERIENCE

2012 – Present
INDEPENDENT CONSULTANT

- 2019: European Centre for International Political Economy (ECIPE)*.* Taking as input a large collection of international standards and third-party conformity certifications we combined NLP and machine learning techniques in order to estimate the impact of certifications on trade.

- 2018 – 2019: Jamaica Public Service Limited (jointly with Macroconsulting S.A.). Taking is input smart meters data, we analyzed more than 6,000 million detailed records of energy consumption in order to find consumer load profiles clusters.

- 2017 – 2018: Gire S.A. / Rapipago (jointly with Juan José Miranda Bront, UTDT; Isabel Méndez Díaz, UBA; and Paula Zabala, UBA). GIRE S.A. is the leading financial services company and the largest processor of electronic bills in Argentina. We designed and evaluated demand-forecasting algorithms for more than 4,000 locations disseminated across Argentina.

- 2014 – 2015: Inter American Development Bank (jointly with Sebastián Galiani, Univeristy of Maryland; and Sebastián Martínez, IADB). We evaluated the impact of a Pay-for-Perfomance program adopted in Panama. For this we studied more than 35 million detailed records of physician encounter data from 2009 up to and including 2014.

- 2012 – 2013: Despegar.com (jointly with Nicolás Stier, Facebook Research). Despegar.com is the largest online travel agency in Latin America. We designed and evaluated forecasting algorithms for RPC, CPC and Add Prints for their Google AdWords Campaigns in order to be used in their campaign optimization systems.

2010 – 2015
UNIVERSIDAD TORCUATO DI TELLA
- Researcher at the Laboratory for Research on Crime, Institutions and Policies (LICIP)

2008 – 2009
INNOVOS GROUP
- Member of a group of economist and researchers in charge of quantitatively evaluating Chile´s FONDAP programme. Final document available here

2007 – 2008
UNIVERSIDAD CARLOS III DE MADRID
- Research Assistant at the Economic History Department

2006 – 2007
UNIVERSIDAD NACIONAL DE CÓRDOBA
- Research Assistant at the Economics Department

ACADEMIC HONORS AND AWARDS

- SPSS Tuition Scholarship given by SPSS-IBM in order to do a master course in Data Mining & Knowledge Discovery, Argentina. 2010-2011

- Fundación Carolina Scholarship (covering tuition, travel expenses, living and insurance costs) given by Inditex and the Government of Spain in order to take a master course in Development Economics at Universidad Carlos III de Madrid, Spain. 2007

- *Outstanding Graduate* award given by Facultad de Ciencias Económicas at Universidad Nacional de Córdoba, Argentina. 2007

- *CEAL-Santander* student exchange programme given by Banco Santander in order to take one semester at Universidad Autónoma de Madrid, Spain. 2006

- *ESCALA* student exchange programme given by Grupo Montevideo in order to take one semester at Universidade Federal de Santa Catarina, Brazil. 2004

COMPUTER SKILLS

Proficient in Python, R, Matlab, SQL, Stata, Microsoft Office Suite and in Unix and Windows environments. Familiarity with C++

LANGUAGE SKILLS

- Spanish (native)
- English (fluent)
- Portuguese (fluent)

MENTORING ACTIVITIES

- Master Thesis advisor of Francisco Ashfield (06/2012 – MBA UTDT), Nadja Maingard (06/2019 – MiM+A UTDT), Luca Rabbione (06/2019 – MiM+A UTDT), Franco Tralice (06/2019 – MiM+A UTDT), Belén Alberti (06/2020 – MiM+A UTDT), Lucas Soulès (06/2020 – MiM+A UTDT), Guillermo Kaplan (06/2020 – MiM+A UTDT), Franco Ferrari (07/2021 – MiM+A UTDT), Franco Santoliquido (07/2021 – MiM+A UTDT), Gabriela Umaña (07/2021 – MiM+A UTDT), Agustín Staudt (05/2021 – M.S. Economics UNLP), Agostina Toto Ruá (07/2022 – MiM+A UTDT), Nicolas Ihde (07/2022 – MiM+A UTDT), Paula Basigalup (07/2022 – MiM+A UTDT), Julieta de Antonio (07/2023 – MiM+A UTDT), Jerónimo Boggi (07/2023 – MiM+A UTDT), Cruz González (10/2023 – MiM+A UTDT)

- Degree Thesis advisor of Juan Manuel Pérez (02/2016 – Computer Science UBA), María Lara Gauder & Marisol Reartes (12/2017 – Computer Science UBA), Valeria Tiffenberg (12/2017 – Computer Science UBA), Florencia Savoretti (12/2018 – Computer Science UBA)

REFEREE

Conference on Empirical Methods in Natural Language Processing (EMNLP), Journal of Public Economics, Journal of Economic Behavior & Organization (JEBO), PLOS One, Scientometrics, Quantitative Science Studies, International Joint Conference on Artificial Intelligence (IJCAI), Annual Meeting of the Association for Computational Linguistics (ACL), Conference on Computational Linguistics (COLING), Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING), Scottish Journal of Political Economy, Personality and Social Psychology Bulletin, Emerging Markets Finance and Trade, scottish journal of political economy, Revista Económica (FCE, UNLP), Annals of Operations Research, Conferencia Latinoamericana de Informática (CLEI)

PERSONAL

Birthdate: 10 / January / 1982
Nationality: Argentine