# George G. Vega Yon

|  |  |
| --- | --- |
| **Mobile** | +1 (six two six) 381 8171 |
| **e-mail** | [g.vegayon@gmail.com](mailto:g.vegayon@gmail.com) |
| **website** | [ggvy.cl](https://ggvy.cl/) |
| **Code** | [github.com/gvegayon](https://github.com/gvegayon) |
| **Linkedin** | [www.linkedin.com/in/georgevegayon/](https://www.linkedin.com/in/georgevegayon/) |

### Education

**Ph.D. in Biostatistics (with concentration in Stat. Comp.)** University of Southern California (2020). Dissertation *“Essays on Bioinformatics and Social Network Analysis: Statistical and Computational Methods for Complex Systems”*

**M.Sc. in Social Sciences (Economics)** California Institute of Technology (2016)

**Master in Economics and Public Policy**, Adolfo Ibáñez University (2011)

**BS. in Social Sciences** and **BS. in Business Administration**, Adolfo Ibáñez University (2010)

### Professional Experience

**University of Southern California, 2015–present** Department of Preventive Medicine *Research Programmer*. A senior staff member at USC’s Department of Preventive Medicine, I work closely with both staff and students on various scientific projects. My responsibilities included: implement statistical methods using R/C++, analyze complex data using USC’s High-Performance Computing cluster, conducting training sessions on statistical computing, and writing scientific papers.

**Chilean Pension Supervisor, August 2011– August 2014** Research Division *Analyst*. Statistical and econometric analysis on the Chilean unemployment insurance, statistical software development, serving as a bridge between the IT and Research divisions.

**Nodos Chile Social Network Analysis Ltda., January 2012–January 2014** *Partner*. Founding partner of one of the first applied SNA Consultancy Entrepreneurship in Chile.

**Adolfo Ibáñez University, January 2011–June 2012.** School of Government *Adjunct Professor*. Taught Introductory courses of Economics, Microeconomics and Statistical computing with Stata.

**Chilean Ministry of Social Planning, March 2011–December 201.** Social Programs Monitoring *Analyst*. Survey and Analysis of the Government social programs supply and supporting the Monitoring Division with the Open-Data Initiative.

### Software

R, C++, LaTeX, SQL, XML, regex, Stata+Mata, VBA, Gephi, Pajek, Mathematica, MS Suit, git, unix

### Selected Publications and Work in progress

Bell, Brooke M., Donna Spruijt-Metz, **George G.** **Vega Yon**, Abu S. Mondol, Ridwan Alam, Meiyi Ma, Ifat Emi, John Lach, John A. Stankovic, and Kayla De La Haye. 2019. “Sensing eating mimicry among family members.” *Translational Behavioral Medicine*. <https://doi.org/10.1093/tbm/ibz051>.

Fábrega Lacoa, Jorge, and **George G.** **Vega Yon**. 2013. “El impacto del rating televisivo sobre la actividad en Twitter: evidencia para Chile sobre la base del evento TELETÓN 2012.” *Cuadernos.info* 33 (December): 43–52. <https://doi.org/10.7764/cdi.33.533>.

Haye, Kayla de la, Heesung Shin, **George G.** **Vega Yon**, and Thomas W. Valente. 2019. “Smoking Diffusion through Networks of Diverse, Urban American Adolescents over the High School Period.” *Journal of Health and Social Behavior*. <https://doi.org/10.1177/0022146519870521>.

Valente, Thomas W., and **George G.** **Vega Yon**. 2020. “Diffusion/Contagion Processes on Social Networks.” *Health Education & Behavior*, February, 109019812090149. <https://doi.org/10.1177/1090198120901497>.

Valente, Thomas W., Heather Wipfli, and **George G.** **Vega Yon**. 2019. “Network influences on policy implementation: Evidence from a global health treaty.” *Social Science and Medicine*. <https://doi.org/10.1016/j.socscimed.2019.01.008>.

**Vega Yon**, **George G.**, and Kayla de la Haye. 2020. “Ergmito: Exponential Random Graph Models for Small Networks.” *The Comprehensive R Archive Network*. <https://cran.r-project.org/package=ergmito>.

**Vega Yon**, **George G.**, and Paul Marjoram. 2019a. “fmcmc: A friendly MCMC framework.” *Journal of Open Source Software* 4 (39): 1427. <https://doi.org/10.21105/joss.01427>.

———. 2019b. “slurmR: A lightweight wrapper for HPC with Slurm.” *Journal of Open Source Software* 4 (39): 1493. <https://doi.org/10.21105/joss.01493>.

**Vega Yon**, **George G.**, and Enyelbert Muñoz. 2013. “ABCoptim: Implementation of Artificial Bee Colony (Abc) Optimization.” *The Comprehensive R Archive Network*. <https://cran.r-project.org/package=ABCoptim>.

**Vega Yon**, **George G.**, and Brian Quistorff. 2019. “parallel: A command for parallel computing.” *The Stata Journal: Promoting Communications on Statistics and Stata* 19 (3): 667–84. <https://doi.org/10.1177/1536867X19874242>.

**Vega Yon**, **George G.**, Andrew Slaughter, and Kayla de la Haye. 2020. “Exponential Random Graph Models for Little Networks.” *Social Networks*, July. <https://arxiv.org/abs/1904.10406>.

**Vega Yon**, **George G**., Duncan C. Thomas, John Morrison, Huaiyu Mi, Paul D. Thomas, and Paul Marjoram. 2020. “On the Automatic Annotation of Gene Functions Using Observational Data and Phylogenetic Trees.” *bioRxiv*, May. <https://doi.org/10.1101/2020.05.14.095687>.

### Honors and Professional Achievements

**Book reviewer**: “Microeconometrics and Matlab: An Introduction”, by Adams, Clarke and Quinn, Oxford University Press, 2015. “Mastering Gephi Network Visualization”, by Ken Cherven, Packt Publishing, 2015. “Network Graph Analysis and Visualization with Gephi”, by Ken Cherven, Packt Publishing, 2013.

**Awards** Travel Grant, Society of Young Network Scientist, 2019; Fellowship, California Institute of Technology, 2014; Scholarship, Adolfo Ibáñes University, 2006.

**Manuscript reviewer** The Official Journal of The Society for Computational Economics, The R Journal, Social Networks, Journal of Mathematical Sociology, Journal of Open Source Software, SUNBELT Conference (2016), International Conference on Computational Social Science (2019).

**Misc** Founder of the [R Users Group in Chile (2013)](https://www.meetup.com/useRchile/), co-organizer of the [East LA R User Group (LAERUG)](https://socalr.org/).

last update: July 12, 2020  
[https://ggvy.cl](https://ggvy.cl/)