



# Demetris Christopoulos

## Short Curriculum Vitae

*"Never complain for doing nothing"*

### Experience

#### R Developer

2015–Now **Multimedia Producer**, *INSEAD*, Fontainebleau.  
Working under a *Multimedia Production Agreement* and *NDA* signed:

- Commercial simulation project
- World Values Survey project

#### R Packages

2013–Now **inflection**, *Finds the Inflection Point of a Curve*, <https://cran.r-project.org/package=inflection>.

2014–Now **RootsExtremaInflections**, *Finds Roots, Extrema and Inflection Points of a Curve*, <https://cran.r-project.org/web/packages/RootsExtremaInflections/index.html>.

### Education

2011–Now **PhD candidate**, *National and Kapodistrian University of Athens, Department of Economics*, Athens.

2008–2011 **MPhil in Economics**, *National and Kapodistrian University of Athens, Department of Economics*, Athens.

1985–1991 **Degree in Physics**, *University of Patras, Department of Physics*, Patras.

### Programming

Symbolics Maple, Maxima, SymPy

Languages R, Python, FORTRAN, SQL, MATLAB, Julia

Statistics STATA, SPSS, MS Excel

Internet HTML, FTP

### Publications

Otto E. Rossler, Frank Kuske, Dieter Fröhlich, Hans H. Diebner, Thimo Böhl, Demetris T. Christopoulos, and Christophe Letellier. *A Primer for Deterministic Thermodynamics and Cryodynamics*, pages 391–413. Springer International Publishing, Cham, 2018. URL: [https://doi.org/10.1007/978-3-319-64334-2\\_30](https://doi.org/10.1007/978-3-319-64334-2_30).

☎ +30 697 921 0251

✉ [dchristop@econ.uoa.gr](mailto:dchristop@econ.uoa.gr), [dem.christop@gmail.com](mailto:dem.christop@gmail.com)

[https://www.researchgate.net/profile/Demetris\\_Christopoulos](https://www.researchgate.net/profile/Demetris_Christopoulos)

1/2

David Midgley, Sunil Venaik, and Demetris Christopoulos. Mosaics not masses: Nations as diverse mixtures of global values archetypes. EIBA Conference Milan, 2017.

Demetris T Christopoulos. On the efficient identification of an inflection point. *International Journal of Mathematics and Scientific Computing (ISSN: 2231-5330)*, 6(1), 6 2016. URL: <https://veltech.edu.in/wp-content/uploads/2016/04/Paper-04-2016.pdf>.

Demetris T Christopoulos. Introducing unit invariant knee (uik) as an objective choice for elbow point in multivariate data analysis techniques. *SSRN*, 2016. URL: <https://ssrn.com/abstract=3043076>, doi:10.2139/ssrn.3043076.

Demetris T. Christopoulos. Extraction of the global absolute temperature for Northern Hemisphere using a set of 6190 meteorological stations from 1800 to 2013. *Journal of Atmospheric and Solar-Terrestrial Physics*, 128:70 – 83, 3 2015. URL: <http://www.sciencedirect.com/science/article/pii/S1364682615000577>, doi: <http://dx.doi.org/10.1016/j.jastp.2015.03.009>.

Demetris T. Christopoulos. A simple definition of time. *ResearchGate*, 2014. URL: <https://www.researchgate.net/publication/263104630>.

Demetris T. Christopoulos. Roots, extrema and inflection points by using a proper taylor regression procedure. *SSRN*, 2014. URL: <https://ssrn.com/abstract=2521403>, doi:10.2139/ssrn.2521403.

Demetris T. Christopoulos. Inflection point analysis for greek seismicity 1900-2006. *arXiv.org*, 2014. URL: <http://arxiv.org/abs/1401.6789v1>.

Demetris T. Christopoulos. Polynomial regression using trapezoidal rule for computing legendre coefficients. *arXiv.org*, 2013. URL: <http://arxiv.org/abs/1311.7525v1>.

Demetris T. Christopoulos. On the effective radius of convergence for a given truncated power series expansion. *arXiv.org*, 2013. URL: <http://arxiv.org/abs/1312.2395v1>.

Demetris T. Christopoulos. Linear regression without computing pseudo-inverse matrix. *arXiv.org*, 11 2013. URL: <http://arxiv.org/abs/1311.1835>.

Demetris T. Christopoulos. A simple and numerical stable algorithm for solving the cone projection problem based on a gram-schmidt process. *arXiv.org*, 2012. URL: <http://arxiv.org/abs/1207.2611v1>.

Demetris T. Christopoulos. Developing methods for identifying the inflection point of a convex/concave curve. *arXiv.org*, 2012. URL: <http://arxiv.org/abs/1206.5478>.

☎ +30 697 921 0251

✉ [dchristop@econ.uoa.gr](mailto:dchristop@econ.uoa.gr), [dem.christop@gmail.com](mailto:dem.christop@gmail.com)

[https://www.researchgate.net/profile/Demetris\\_Christopoulos](https://www.researchgate.net/profile/Demetris_Christopoulos)

2/2