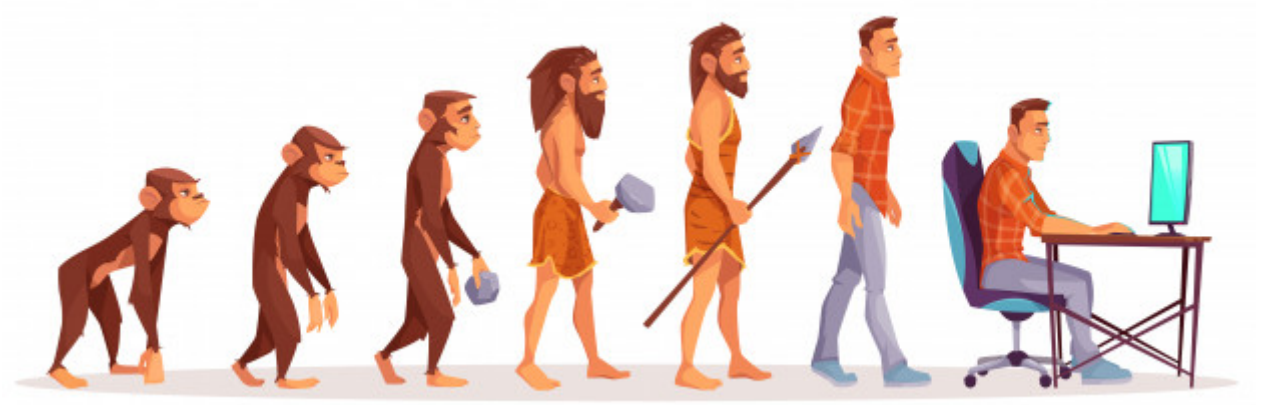
Lampros Sp. Mouselimis

mouselimislampros@gmail.com | mlampros.github.io/ | 0000-0002-8024-1546 | JXg3b58AAAAJ | mlampros | mlampros | lampros_twit

I'm a data & remote sensing analyst and open source author / maintainer of numerous R language packages (CRAN, Github), competent in two programming languages (R, Python) who takes advantage of C++ (in R through the Rcpp and RcppArmadillo packages and in python through Cython) to improve the efficiency of internal functions



R-Programming Packages

fastGLCM — *Author and maintainer (CRAN)*

GLCM Texture Features — *2022-08-15*

- http://mlampros.github.io/2022/08/16/gray_level_co_occurrence_matrix/

VMDecomp — *Author and maintainer (CRAN)*

Variational Mode Decomposition — *2022-06-09*

- http://mlampros.github.io/2022/06/11/variatonal_mode_decomposition/

IceSat2R — *Author and maintainer (CRAN)*

ICESat-2 Altimeter Data using R — *2022-02-07*

- http://mlampros.github.io/2022/02/12/IceSat2R_Altimetry_data/

PlanetNICFI — *Author and maintainer (CRAN)*

Processing of the 'Planet NICFI' Satellite Imagery — *2021-06-10*

- http://mlampros.github.io/2021/06/12/Planet_NICFI_Satellite_Imagery/

fitbitViz — *Author and maintainer (CRAN)*

'Fitbit' Visualizations — *2021-05-18*

- http://mlampros.github.io/2021/05/20/fitbitViz_package/

CopernicusDEM — *Author and maintainer (CRAN)*

Copernicus Digital Elevation Models — *2021-05-15*

- http://mlampros.github.io/2021/05/21/copernicusDEM_package/

fastText — *Author and maintainer (CRAN)*

Efficient Learning of Word Representations and Sentence Classification — *2021-05-14*

- http://mlampros.github.io/2021/05/14/fasttext_language_identification/

SuperpixelImageSegmentation — *Author and maintainer (CRAN)*

Superpixel Image Segmentation — *2018-12-30*

- http://mlampros.github.io/2018/11/09/Image_Segmentation_Superpixels_Clustering/

elmNNRcpp — *Author and maintainer (CRAN)*

The Extreme Learning Machine Algorithm — *2018-07-05*

- http://mlampros.github.io/2018/07/05/the_extreme_learning_machine_package/

nmslibR *Author and maintainer (CRAN)*

Non Metric Space (Approximate) Library *2018-02-27*

- http://mlampros.github.io/2018/02/27/the_nmslibR_package/

RGF *Author and maintainer (CRAN)*

Regularized Greedy Forest *2018-02-13*

- http://mlampros.github.io/2018/02/14/the_RGF_package/

GeoMongo *Author and maintainer (CRAN)*

Geospatial Queries Using 'PyMongo' *2017-08-07*

- http://mlampros.github.io/2017/08/07/the_GeoMongo_package/

fuzzywuzzyR *Author and maintainer (CRAN)*

Fuzzy String Matching *2017-04-11*

- http://mlampros.github.io/2017/04/13/fuzzywuzzyR_package/

geojsonR *Author and maintainer (CRAN)*

A GeoJson Processing Toolkit *2017-03-28*

- http://mlampros.github.io/2017/03/29/geojsonR_package/

textTinyR *Author and maintainer (CRAN)*

Text Processing for Small or Big Data Files *2017-01-07*

- http://mlampros.github.io/2017/01/05/textTinyR_package/

GloveR *Author and maintainer (Github)*

Global Vectors for Word Representation (Glove) *2017-01-04*

- https://mlampros.github.io/GloveR/

RandomSearchR *Author and maintainer (Github)*

Random Search in R *2016-09-19*

- http://mlampros.github.io/2016/03/14/random_search_R/

ClusterR *Author and maintainer (CRAN)*

Gaussian Mixture Models, K-Means, Mini-Batch-Kmeans, K-Medoids and Affinity Propagation Clustering *2016-09-06*

- http://mlampros.github.io/2016/09/12/clusterR_package/

KernelKnn *Author and maintainer (CRAN)*

Kernel k Nearest Neighbors *2016-07-11*

- http://mlampros.github.io/2016/07/10/KernelKnn/

OpenImageR *Author and maintainer (CRAN)*

An Image Processing Toolkit *2016-07-09*

- http://mlampros.github.io/2016/07/08/OpenImageR/

FeatureSelection *Author and maintainer (Github)*

Feature extraction and selection based on 'glmnet', 'xgboost' and 'ranger' *2016-05-18*

- http://mlampros.github.io/2016/02/14/feature-selection/

Education

University of Tuebingen *Germany*

Diplom in Business Administration *September 1996–December 2001*

- The effects of the introduction of Euro to the international price policy

Experience

Olympic Games Athens 2004 *Athens*

Assistant Logistics Department *May 2004–September 2004*

- Employed as an assistant in the logistics department of the Olympic Games 2004

Information Research International *Athens*

Field Worker (Data Collector) *November 2004–February 2016*

- Employed as a data collector in a market research company

Monopteryx — *Paramythia*

Data and Remote Sensing Analyst — *October 2021–present*

- Data Analysis, Machine Learning, Deep Learning, Remote Sensing

Post Graduate Training

Learn to Program, The Fundamentals [Coursera] — *Python*

University of Toronto — *statement of completion*

- Online

Learn to Program, Crafting Quality Code [Coursera] — *Python*

University of Toronto — *statement of completion*

- Online

Coding the Matrix, Linear Algebra through Computer Science Applications [Coursera] — *Python*

Brown University — *statement of completion*

- Online

An Introduction to Interactive Programming in Python [Coursera] — *Python*

Rice University — *statement of completion*

- Online

Cluster Analysis in Data Mining [Coursera] — *Python*

University of Illinois at Urbana-Champaign — *statement of completion*

- Online

Sequence Models [Coursera] — *Python*

deeplearning.ai — *statement of completion*

- Online

Web Intelligence and Big Data [Coursera] — *Python, SQL, R*

Indian Institute of Technology Delhi — *statement of completion*

- Online

Data-driven Astronomy [Coursera] — *Python, SQL, R*

University of Sydney — *statement of completion*

- Online

Introduction to Data Science [Coursera] — *Python, SQL, R*

University of Washington — *statement of completion*

- Online

R Programming [Coursera] — *R*

Johns Hopkins University — *statement of completion*

- Online

Getting and Cleaning Data [Coursera] — *R*

Johns Hopkins University — *statement of completion*

- Online

The Data Scientist's Toolbox [Coursera] — *R*

Johns Hopkins University — *statement of completion*

- Online

Reproducible Research [Coursera] — *R*

Johns Hopkins University — *statement of completion*

- Online

Exploratory Data Analysis [Coursera] — *R*

Johns Hopkins University — *statement of completion*

- Online

Developing Data Products [Coursera] — *R*

Johns Hopkins University — *statement of completion*

- Online

Practical Machine Learning [Coursera] *R*

Johns Hopkins University *statement of completion*

- Online

Regression Models [Coursera] *R*

Johns Hopkins University *statement of completion*

- Online

Statistical Inference [Coursera] *R*

Johns Hopkins University *statement of completion*

- Online

Computing for Data Analysis [Coursera] *R*

Johns Hopkins University *statement of completion*

- Online

Bayesian Statistics: From Concept to Data Analysis [Coursera] *R*

University of California, Santa Cruz *statement of completion*

- Online

Core Concepts in Data Analysis [Coursera] *Matlab, R*

Higher School of Economics *statement of completion*

- Online

Machine Learning [Coursera] *Octave*

Stanford University *statement of completion*

- Online

The Analytics Edge [Edx] *R*

MITx – 15.071x *statement of completion*

- Online

Introduction to Big Data with Apache Spark [Edx] *Python, Spark*

BerkeleyX – CS100.1x *statement of completion*

- Online

Scalable Machine Learning [Edx] *Python, Spark*

BerkeleyX - CS190.1x *statement of completion*

- Online

Data mining with Weka [weka.waikato.ac.nz] *Weka*

University of Waikato *statement of completion*

- Online

More data mining with Weka [weka.waikato.ac.nz] *Weka*

University of Waikato *statement of completion*

- Online

Introduction to statistical learning [online.stanford.edu] *R*

Stanford University *statement of completion*

- Online

Datenmanagement mit SQL [open.hpi.de] *SQL*

Hasso-Plattner-Institut *statement of completion*

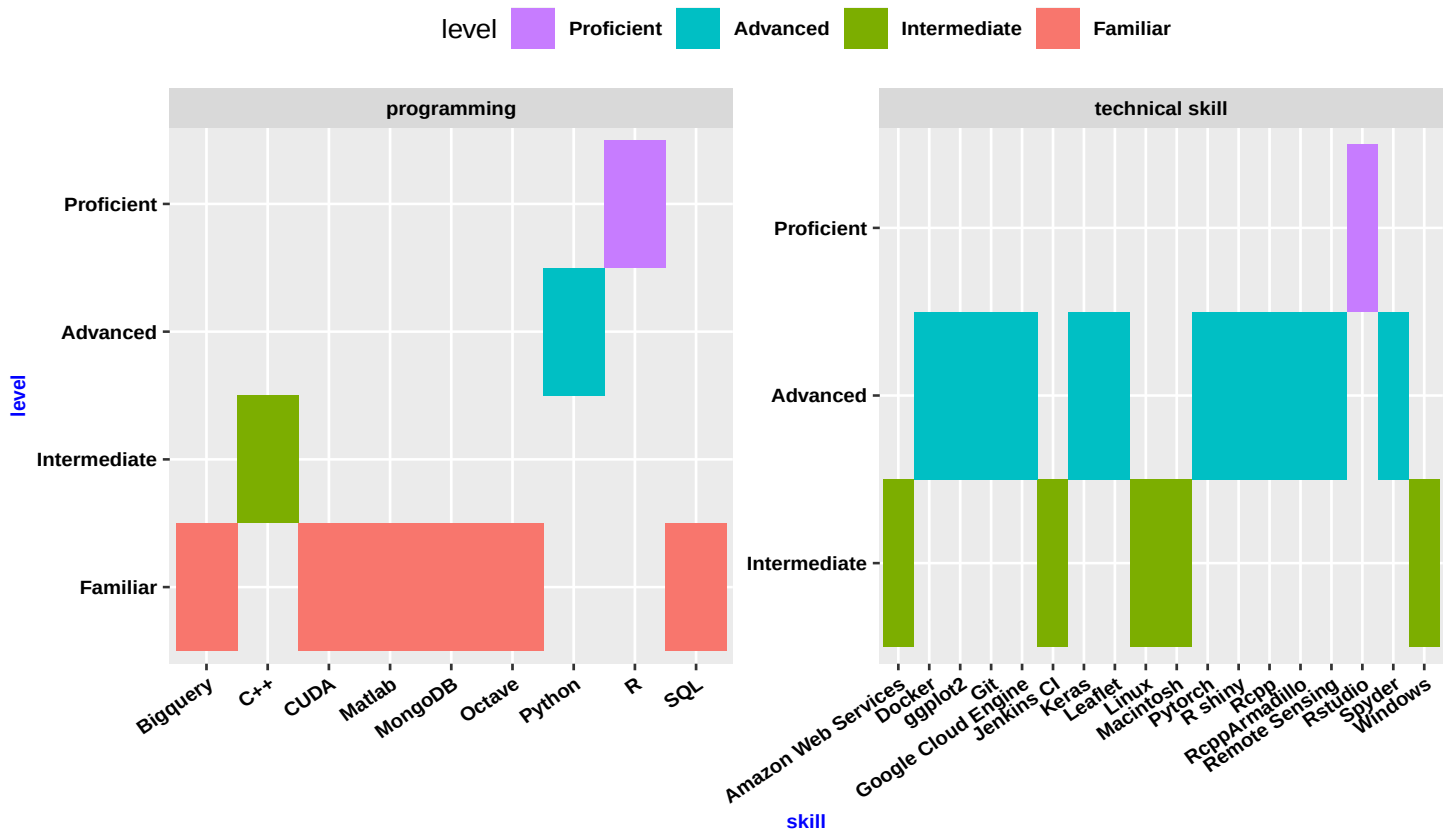
- Online

Spoken Languages

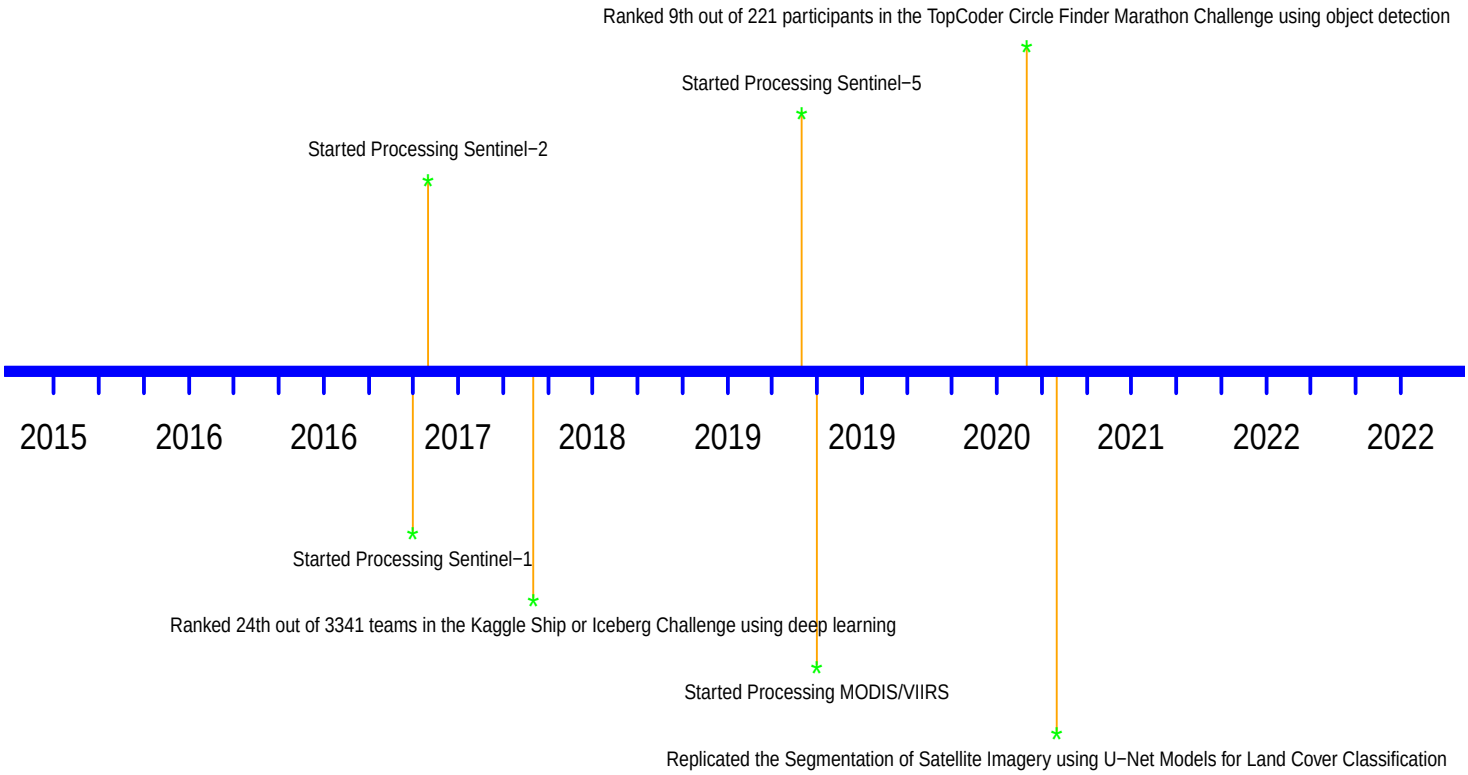
type	Reading	Writing	Listening	Speaking	Certificate	Institution	Year
Greek	native	native	native	native	,,	,,	,,
English	22	28	18	23	**TOEFL Ibt**	ETS	**2018**
English	24	27	20	20	**TOEFL Ibt**	ETS	**2011**
English	C1	C1	C1	C1	**State Certificate**	European Framework	**2010**
English	B2	B2	B2	B2	**ECCE**	University of Michigan	**2008**
German	C2	C2	C2	C2	**State Certificate**	European Framework	**2003**

Common European Framework of Reference for Languages: A1/A2: Basic User. B1/B2: Independent User. C1/C2: Proficient User

Technical Skills



Geospatial Analysis (Timeline)



Personal Data

Date of Birth	06th September 1976
Sex	Male
Mother's Name	Parthena Totska
Place of Birth	Greece
Martial Status	Single
Health	Irritable Bowel Syndrome (IBS). IBS affects about 1 out of 10 people according to the International Foundation for functional gastrointestinal disorders (IFFGD)
Driving License	Car, Motorcycle
triathlon	from 2007 to 2010 I was an amateur triathlete
trail running	Since 2006 I participate occasionally in trail running competitions
Free time Activities	running, swimming, cycling, tennis playing, watching movies

Publications

L Mouselimis, C Sanderson, R Curtin, S Agrawal, B Frey, D Dueck *R package*

ClusterR: Gaussian mixture models, k-means, mini-batch-kmeans, k-medoids and affinity propagation clustering *2024*

L Mouselimis, A Gosso *R package*

elmNNRcpp: The extreme learning machine algorithm *2024*

L Mouselimis *R package*

OpenImageR: an image processing Toolkit *2024*

L Mouselimis *R package*

KernelKnn: kernel k nearest Neighbors *2024*

L Mouselimis *R package*

fastText: Efficient learning of word representations and sentence classification using R *2024*