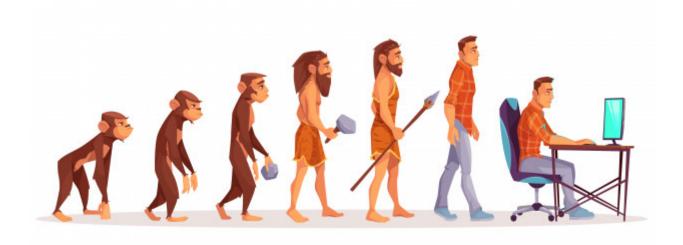


■mouselimislampros@gmail.com |

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**

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GLCM Texture Features

http://mlampros.github.io/2022/08/16/gray\_level\_co\_occurrence\_matrix/

## **VMDecomp**

VARIATIONAL MODE DECOMPOSITION

http://mlampros.github.io/2022/06/11/variatonal\_mode\_decomposition/

ICESAT-2 ALTIMETER DATA USING R

http://mlampros.github.io/2022/02/12/IceSat2R\_Altimetry\_data/

## **PlanetNICFI**

PROCESSING OF THE 'PLANET NICFI' SATELLITE IMAGERY

http://mlampros.github.io/2021/06/12/Planet\_NICFI\_Satellite\_Imagery/

#### fitbitViz

'FITBIT' VISUALIZATIONS

http://mlampros.github.io/2021/05/20/fitbitViz\_package/

### **Copernicus DEM**

COPERNICUS DIGITAL ELEVATION MODELS

http://mlampros.github.io/2021/05/21/copernicusDEM\_package/

### fastText

EFFICIENT LEARNING OF WORD REPRESENTATIONS AND SENTENCE CLASSIFICATION

http://mlampros.github.io/2021/05/14/fasttext\_language\_identification/

## SuperpixelImageSegmentation

SUPERPIXEL IMAGE SEGMENTATION

http://mlampros.github.io/2018/11/09/Image\_Segmentation\_Superpixels\_Clustering/

## elmNNRcpp

THE EXTREME LEARNING MACHINE ALGORITHM

http://mlampros.github.io/2018/07/05/the\_extreme\_learning\_machine\_package/

Author and maintainer (CRAN)

2022-08-15

Author and maintainer (CRAN)

2022-06-09

*Author and maintainer (CRAN)* 

2022-02-07

Author and maintainer (CRAN)

2021-06-10

Author and maintainer (CRAN)

2021-05-18

Author and maintainer (CRAN)

2021-05-15

*Author and maintainer (CRAN)* 

2021-05-14

Author and maintainer (CRAN)

2018-12-30

Author and maintainer (CRAN)

2018-07-05

nmslibR Author and maintainer (CRAN)

2018-02-27

2017-04-11

2016-09-19

2016-07-09

Athens

Athens

http://mlampros.github.io/2018/02/27/the\_nmslibR\_package/

NON METRIC SPACE (APPROXIMATE) LIBRARY

**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 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/

Author and maintainer (Github)

GLOBAL VECTORS FOR WORD REPRESENTATION (GLOVE)

· https://mlampros.github.io/GloveR/

RandomSearchR Author and maintainer (Github)

RANDOM SEARCH IN R http://mlampros.github.io/2016/03/14/random\_search\_R/

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

**FeatureSelection** Author and maintainer (Github)

2016-05-18

FEATURE EXTRACTION AND SELECTION BASED ON 'GLMNET', 'XGBOOST' AND 'RANGER' 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** 

**Information Research International** 

ASSISTANT LOGISTICS DEPARTMENT May 2004-September 2004

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

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] Pvthon, SOL, R University of Washington statement of completion • Online R Programming [Coursera] R JOHNS HOPKINS UNIVERSITY statement of completion · Online Getting and Cleaning Data [Coursera] JOHNS HOPKINS UNIVERSITY statement of completion • Online The Data Scientist's Toolbox [Coursera] R JOHNS HOPKINS UNIVERSITY statement of completion · Online Reproducible Research [ Coursera ] JOHNS HOPKINS UNIVERSITY statement of completion · Online

Developing Data Products [ Coursera ]

Exploratory Data Analysis [ Coursera ]

JOHNS HOPKINS UNIVERSITY

JOHNS HOPKINS UNIVERSITY statement of completion

• Online

R

R

statement of completion

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 ]

University of Waikato

• Online

Introduction to statistical learning [ online.stanford.edu ]

Datenmanagement mit SQL [ open.hpi.de ]

Online

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

Weka

statement of completion

Weka

University of Waikato statement of completion

# STANFORD UNIVERSITY

HASSO-PLATTNER-INSTITUT

statement of completion

SQL

statement of completion

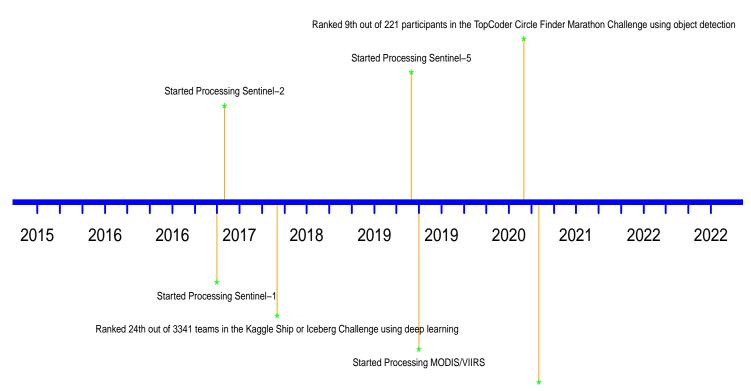
# Spoken Languages \_\_\_\_\_

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	<b>State Certificate</b>	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



# **Geospatial Analysis (Timeline)**



Replicated the Segmentation of Satellite Imagery using U-Net Models for Land Cover Classification

## 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
FASTTEXT: EFFICIENT LEARNING OF WORD REPRESENTATIONS AND SENTENCE CLASSIFICATION USING R	2024
L Mouselimis	R package
KERNELKNN: KERNEL K NEAREST NEIGHBORS	2024
P Das, GK Jha, T Ahmad, A Lama, L Mouselimis	R package
VMDML-VARIATIONAL MODE DECOMPOSITION RASED MACHINE LEADNING MODELS	202/