



# Lampros Sp. Mouselimis

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mlampros | in 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

GLCM TEXTURE FEATURES

- [http://mlampros.github.io/2022/08/16/gray\\_level\\_co\\_occurrence\\_matrix/](http://mlampros.github.io/2022/08/16/gray_level_co_occurrence_matrix/)

[Author and maintainer \(CRAN\)](#)

2022-08-15

### VMDecomp

VARIATIONAL MODE DECOMPOSITION

- [http://mlampros.github.io/2022/06/11/variational\\_mode\\_decomposition/](http://mlampros.github.io/2022/06/11/variational_mode_decomposition/)

[Author and maintainer \(CRAN\)](#)

2022-06-09

### IceSat2R

ICESAT-2 ALTIMETER DATA USING R

- [http://mlampros.github.io/2022/02/12/IceSat2R\\_Altimetry\\_data/](http://mlampros.github.io/2022/02/12/IceSat2R_Altimetry_data/)

[Author and maintainer \(CRAN\)](#)

2022-02-07

### PlanetNICFI

PROCESSING OF THE 'PLANET NICFI' SATELLITE IMAGERY

- [http://mlampros.github.io/2021/06/12/Planet\\_NICFI\\_Satellite\\_Imagery/](http://mlampros.github.io/2021/06/12/Planet_NICFI_Satellite_Imagery/)

[Author and maintainer \(CRAN\)](#)

2021-06-10

### fitbitViz

'FITBIT' VISUALIZATIONS

- [http://mlampros.github.io/2021/05/20/fitbitViz\\_package/](http://mlampros.github.io/2021/05/20/fitbitViz_package/)

[Author and maintainer \(CRAN\)](#)

2021-05-18

### CopernicusDEM

COPERNICUS DIGITAL ELEVATION MODELS

- [http://mlampros.github.io/2021/05/21/copernicusDEM\\_package/](http://mlampros.github.io/2021/05/21/copernicusDEM_package/)

[Author and maintainer \(CRAN\)](#)

2021-05-15

### fastText

EFFICIENT LEARNING OF WORD REPRESENTATIONS AND SENTENCE CLASSIFICATION

- [http://mlampros.github.io/2021/05/14/fasttext\\_language\\_identification/](http://mlampros.github.io/2021/05/14/fasttext_language_identification/)

[Author and maintainer \(CRAN\)](#)

2021-05-14

### SuperpixelImageSegmentation

SUPERPIXEL IMAGE SEGMENTATION

- [http://mlampros.github.io/2018/11/09/Image\\_Segmentation\\_Superpixels\\_Clustering/](http://mlampros.github.io/2018/11/09/Image_Segmentation_Superpixels_Clustering/)

[Author and maintainer \(CRAN\)](#)

2018-12-30

### elmNNRcpp

THE EXTREME LEARNING MACHINE ALGORITHM

- [http://mlampros.github.io/2018/07/05/the\\_extreme\\_learning\\_machine\\_package/](http://mlampros.github.io/2018/07/05/the_extreme_learning_machine_package/)

[Author and maintainer \(CRAN\)](#)

2018-07-05

## nmslibR

NON METRIC SPACE (APPROXIMATE) LIBRARY

- [http://mlampros.github.io/2018/02/27/the\\_nmslibR\\_package/](http://mlampros.github.io/2018/02/27/the_nmslibR_package/)

*Author and maintainer (CRAN)*

2018-02-27

## RGF

REGULARIZED GREEDY FOREST

- [http://mlampros.github.io/2018/02/14/the\\_RGF\\_package/](http://mlampros.github.io/2018/02/14/the_RGF_package/)

*Author and maintainer (CRAN)*

2018-02-13

## GeoMongo

GEOSPATIAL QUERIES USING 'PYMONGO'

- [http://mlampros.github.io/2017/08/07/the\\_GeoMongo\\_package/](http://mlampros.github.io/2017/08/07/the_GeoMongo_package/)

*Author and maintainer (CRAN)*

2017-08-07

## fuzzywuzzyR

FUZZY STRING MATCHING

- [http://mlampros.github.io/2017/04/13/fuzzywuzzyR\\_package/](http://mlampros.github.io/2017/04/13/fuzzywuzzyR_package/)

*Author and maintainer (CRAN)*

2017-04-11

## geojsonR

A GEOJSON PROCESSING TOOLKIT

- [http://mlampros.github.io/2017/03/29/geojsonR\\_package/](http://mlampros.github.io/2017/03/29/geojsonR_package/)

*Author and maintainer (CRAN)*

2017-03-28

## textTinyR

TEXT PROCESSING FOR SMALL OR BIG DATA FILES

- [http://mlampros.github.io/2017/01/05/textTinyR\\_package/](http://mlampros.github.io/2017/01/05/textTinyR_package/)

*Author and maintainer (CRAN)*

2017-01-07

## GloveR

GLOBAL VECTORS FOR WORD REPRESENTATION (GLOVE)

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

*Author and maintainer (Github)*

2017-01-04

## RandomSearchR

RANDOM SEARCH IN R

- [http://mlampros.github.io/2016/03/14/random\\_search\\_R/](http://mlampros.github.io/2016/03/14/random_search_R/)

*Author and maintainer (Github)*

2016-09-19

## ClusterR

GAUSSIAN MIXTURE MODELS, K-MEANS, MINI-BATCH-KMEANS, K-MEDOIDS AND AFFINITY PROPAGATION CLUSTERING

- [http://mlampros.github.io/2016/09/12/clusterR\\_package/](http://mlampros.github.io/2016/09/12/clusterR_package/)

*Author and maintainer (CRAN)*

2016-09-06

## KernelKnn

KERNEL K NEAREST NEIGHBORS

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

*Author and maintainer (CRAN)*

2016-07-11

## OpenImageR

AN IMAGE PROCESSING TOOLKIT

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

*Author and maintainer (CRAN)*

2016-07-09

## FeatureSelection

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

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

*Author and maintainer (Github)*

2016-05-18

# Education

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## University of Tuebingen

DIPLOM IN BUSINESS ADMINISTRATION

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

*Germany*

September 1996–December 2001

# Experience

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## Olympic Games Athens 2004

ASSISTANT LOGISTICS DEPARTMENT

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

*Athens*

May 2004–September 2004

## Information Research International

FIELD WORKER (DATA COLLECTOR)

- Employed as a data collector in a market research company

*Athens*

November 2004–February 2016

## Monopteryx

DATA AND REMOTE SENSING ANALYST

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

Paramythia

October 2021–present

## Post Graduate Training

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### Learn to Program, The Fundamentals [ Coursera ]

UNIVERSITY OF TORONTO

- Online

Python

statement of completion

### Learn to Program, Crafting Quality Code [ Coursera ]

UNIVERSITY OF TORONTO

- Online

Python

statement of completion

### Coding the Matrix, Linear Algebra through Computer Science Applications [ Coursera ]

BROWN UNIVERSITY

- Online

Python

statement of completion

### An Introduction to Interactive Programming in Python [ Coursera ]

RICE UNIVERSITY

- Online

Python

statement of completion

### Cluster Analysis in Data Mining [ Coursera ]

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

- Online

Python

statement of completion

### Sequence Models [ Coursera ]

DEEPLARNING.AI

- Online

Python

statement of completion

### Web Intelligence and Big Data [ Coursera ]

INDIAN INSTITUTE OF TECHNOLOGY DELHI

- Online

Python, SQL, R

statement of completion

### Data-driven Astronomy [ Coursera ]

UNIVERSITY OF SYDNEY

- Online

Python, SQL, R

statement of completion

### Introduction to Data Science [ Coursera ]

UNIVERSITY OF WASHINGTON

- Online

Python, SQL, R

statement of completion

### R Programming [ Coursera ]

JOHNS HOPKINS UNIVERSITY

- Online

R

statement of completion

### Getting and Cleaning Data [ Coursera ]

JOHNS HOPKINS UNIVERSITY

- Online

R

statement of completion

### The Data Scientist's Toolbox [ Coursera ]

JOHNS HOPKINS UNIVERSITY

- Online

R

statement of completion

### Reproducible Research [ Coursera ]

JOHNS HOPKINS UNIVERSITY

- Online

R

statement of completion

### Exploratory Data Analysis [ Coursera ]

JOHNS HOPKINS UNIVERSITY

- Online

R

statement of completion

### Developing Data Products [ Coursera ]

JOHNS HOPKINS UNIVERSITY

- Online

R

statement of completion

## Practical Machine Learning [ Coursera ]

JOHNS HOPKINS UNIVERSITY

- Online

[R](#)  
statement of completion

## Regression Models [ Coursera ]

JOHNS HOPKINS UNIVERSITY

- Online

[R](#)  
statement of completion

## Statistical Inference [ Coursera ]

JOHNS HOPKINS UNIVERSITY

- Online

[R](#)  
statement of completion

## Computing for Data Analysis [ Coursera ]

JOHNS HOPKINS UNIVERSITY

- Online

[R](#)  
statement of completion

## Bayesian Statistics: From Concept to Data Analysis [ Coursera ]

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

- Online

[R](#)  
statement of completion

## Core Concepts in Data Analysis [ Coursera ]

HIGHER SCHOOL OF ECONOMICS

- Online

[Matlab](#), [R](#)  
statement of completion

## Machine Learning [ Coursera ]

STANFORD UNIVERSITY

- Online

[Octave](#)  
statement of completion

## The Analytics Edge [ Edx ]

MITx – 15.071X

- Online

[R](#)  
statement of completion

## Introduction to Big Data with Apache Spark [ Edx ]

BERKELEYX – CS100.1X

- Online

[Python](#), [Spark](#)  
statement of completion

## Scalable Machine Learning [ Edx ]

BERKELEYX - CS190.1X

- Online

[Python](#), [Spark](#)  
statement of completion

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

UNIVERSITY OF WAIKATO

- Online

[Weka](#)  
statement of completion

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

UNIVERSITY OF WAIKATO

- Online

[Weka](#)  
statement of completion

## Introduction to statistical learning [ online.stanford.edu ]

STANFORD UNIVERSITY

- Online

[R](#)  
statement of completion

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

HASSO-PLATTNER-INSTITUT

- Online

[SQL](#)  
statement of completion

## Spoken Languages

type	Reading	Writing	Listening	Speaking	Certificate	Institution	Year
<a href="#">Greek</a>	native	native	native	native	”	”	”
<a href="#">English</a>	22	28	18	23	<a href="#">TOEFL Ibt</a>	ETS	<a href="#">2018</a>
<a href="#">English</a>	24	27	20	20	<a href="#">TOEFL Ibt</a>	ETS	<a href="#">2011</a>
<a href="#">English</a>	C1	C1	C1	C1	<a href="#">State Certificate</a>	European Framework	<a href="#">2010</a>
<a href="#">English</a>	B2	B2	B2	B2	<a href="#">ECCE</a>	University of Michigan	<a href="#">2008</a>
<a href="#">German</a>	C2	C2	C2	C2	<a href="#">State Certificate</a>	European Framework	<a href="#">2003</a>

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

Technical Skills



Geospatial Analysis (Timeline)



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**  
CLUSTERR: GAUSSIAN MIXTURE MODELS, K-MEANS, MINI-BATCH-KMEANS, K-MEDOIDS AND AFFINITY PROPAGATION CLUSTERING

[R package](#)  
2024

**L Mouselimis, A Gosso**  
ELMNNRCP: THE EXTREME LEARNING MACHINE ALGORITHM

[R package](#)  
2024

**L Mouselimis**  
OPENIMAGER: AN IMAGE PROCESSING TOOLKIT

[R package](#)  
2024

**L Mouselimis**  
KERNELKNN: KERNEL K NEAREST NEIGHBORS

[R package](#)  
2024

**L Mouselimis**  
FASTTEXT: EFFICIENT LEARNING OF WORD REPRESENTATIONS AND SENTENCE CLASSIFICATION USING R

[R package](#)  
2024

**P Das, GK Jha, T Ahmad, A Lama, L Mouselimis**  
VMDML: VARIATIONAL MODE DECOMPOSITION BASED MACHINE LEARNING MODELS

[R package](#)  
2024