



# Lampros Sp. Mouselimis

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*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)



## Personal Data

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Date of Birth	06th September 1976
Sex	Male
Mother's Name	Parthena Totska
Place of Birth	Greece
Marital 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

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### L Mouselimis

KERNELKNN: KERNEL K NEAREST NEIGHBORS

URL: <https://CRAN.R-project.org/package=KernelKnn>

2021

### 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 version](#)

2019

### L Mouselimis, A Gosso

ELMNNRCP: THE EXTREME LEARNING MACHINE ALGORITHM

[R package](#)

2018

### L Mouselimis

OPENIMAGER: AN IMAGE PROCESSING TOOLKIT

[R package version](#)

2017