



# 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

### 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 GEO.JSON 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

## 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
<b>Greek</b>	native	native	native	native	”	”	”
<b>English</b>	22	28	18	23	<b>TOEFL Ibt</b>	ETS	<b>2018</b>
<b>English</b>	24	27	20	20	<b>TOEFL Ibt</b>	ETS	<b>2011</b>
<b>English</b>	C1	C1	C1	C1	<b>State Certificate</b>	European Framework	<b>2010</b>
<b>English</b>	B2	B2	B2	B2	<b>ECCE</b>	University of Michigan	<b>2008</b>
<b>German</b>	C2	C2	C2	C2	<b>State Certificate</b>	European Framework	<b>2003</b>

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
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, 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 1.2. 2

2020

### L Mouselimis

[R package version](#)

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

2019

### L Mouselimis

[R package version](#)

KERNELKNN: KERNEL K NEAREST NEIGHBORS

2018

### L Mouselimis, A Gosso

[R package](#)

ELMNNRCP: THE EXTREME LEARNING MACHINE ALGORITHM

2018

### L Mouselimis

[R package version](#)

GOSSO A. ELMNNRCP: THE EXTREME LEARNING MACHINE ALGORITHM

2018

### L Mouselimis

[R package version](#)

OPENIMAGER: AN IMAGE PROCESSING TOOLKIT

2017

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

[R package version](#)

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

CLUSTERING; 2020