



# 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

### 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

|  |  |
|--|--|
| <b>RGF</b><br>REGULARIZED GREEDY FOREST<br>• <a href="http://mlampros.github.io/2018/02/14/the_RGF_package/">http://mlampros.github.io/2018/02/14/the_RGF_package/</a>   | <a href="#">Author and maintainer (CRAN)</a><br>2018-02-13   |
| <b>GeoMongo</b><br>GEOSPATIAL QUERIES USING 'PYMONGO'<br>• <a href="http://mlampros.github.io/2017/08/07/the_GeoMongo_package/">http://mlampros.github.io/2017/08/07/the_GeoMongo_package/</a>   | <a href="#">Author and maintainer (CRAN)</a><br>2017-08-07   |
| <b>fuzzywuzzyR</b><br>FUZZY STRING MATCHING<br>• <a href="http://mlampros.github.io/2017/04/13/fuzzywuzzyR_package/">http://mlampros.github.io/2017/04/13/fuzzywuzzyR_package/</a>   | <a href="#">Author and maintainer (CRAN)</a><br>2017-04-11   |
| <b>geojsonR</b><br>A GEOJSON PROCESSING TOOLKIT<br>• <a href="http://mlampros.github.io/2017/03/29/geojsonR_package/">http://mlampros.github.io/2017/03/29/geojsonR_package/</a>   | <a href="#">Author and maintainer (CRAN)</a><br>2017-03-28   |
| <b>textTinyR</b><br>TEXT PROCESSING FOR SMALL OR BIG DATA FILES<br>• <a href="http://mlampros.github.io/2017/01/05/textTinyR_package/">http://mlampros.github.io/2017/01/05/textTinyR_package/</a>   | <a href="#">Author and maintainer (CRAN)</a><br>2017-01-07   |
| <b>GloveR</b><br>GLOBAL VECTORS FOR WORD REPRESENTATION (GLOVE)<br>• <a href="https://mlampros.github.io/GloveR/">https://mlampros.github.io/GloveR/</a>   | <a href="#">Author and maintainer (Github)</a><br>2017-01-04 |
| <b>RandomSearchR</b><br>RANDOM SEARCH IN R<br>• <a href="http://mlampros.github.io/2016/03/14/random_search_R/">http://mlampros.github.io/2016/03/14/random_search_R/</a>  | <a href="#">Author and maintainer (Github)</a><br>2016-09-19 |
| <b>ClusterR</b><br>GAUSSIAN MIXTURE MODELS, K-MEANS, MINI-BATCH-KMEANS, K-MEDOIDS AND AFFINITY PROPAGATION CLUSTERING<br>• <a href="http://mlampros.github.io/2016/09/12/clusterR_package/">http://mlampros.github.io/2016/09/12/clusterR_package/</a> | <a href="#">Author and maintainer (CRAN)</a><br>2016-09-06   |
| <b>KernelKnn</b><br>KERNEL K NEAREST NEIGHBORS<br>• <a href="http://mlampros.github.io/2016/07/10/KernelKnn/">http://mlampros.github.io/2016/07/10/KernelKnn/</a>  | <a href="#">Author and maintainer (CRAN)</a><br>2016-07-11   |
| <b>OpenImageR</b><br>AN IMAGE PROCESSING TOOLKIT<br>• <a href="http://mlampros.github.io/2016/07/08/OpenImageR/">http://mlampros.github.io/2016/07/08/OpenImageR/</a>  | <a href="#">Author and maintainer (CRAN)</a><br>2016-07-09   |
| <b>FeatureSelection</b><br>FEATURE EXTRACTION AND SELECTION BASED ON 'GLMNET', 'XGBOOST' AND 'RANGER'<br>• <a href="http://mlampros.github.io/2016/02/14/feature-selection/">http://mlampros.github.io/2016/02/14/feature-selection/</a>               | <a href="#">Author and maintainer (Github)</a><br>2016-05-18 |

## Education

|  |   |
|--|---|
| <b>University of Tuebingen</b><br>DIPLOM IN BUSINESS ADMINISTRATION<br>• The effects of the introduction of Euro to the international price policy | <a href="#">Germany</a><br>September 1996–December 2001 |
|--|---|

## Experience

|  |   |
|--|---|
| <b>Olympic Games Athens 2004</b><br>ASSISTANT LOGISTICS DEPARTMENT<br>• Employed as an assistant in the logistics department of the Olympic Games 2004 | <a href="#">Athens</a><br>May 2004–September 2004     |
| <b>Information Research International</b><br>FIELD WORKER (DATA COLLECTOR)<br>• Employed as a data collector in a market research company              | <a href="#">Athens</a><br>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)



## 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