



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/

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

2022-08-15

VMDecomp

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/

[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/

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

2021-06-10

fitbitViz

'FITBIT' VISUALIZATIONS

- 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/

[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/

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

2021-05-14

SuperpixelImageSegmentation

SUPERPIXEL IMAGE SEGMENTATION

- 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/

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

2018-07-05

nmslibR

NON METRIC SPACE (APPROXIMATE) LIBRARY

- 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/

Author and maintainer (CRAN)

2018-02-13

GeoMongo

GEOSPATIAL QUERIES USING 'PYMONGO'

- 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/

Author and maintainer (CRAN)

2017-04-11

geojsonR

A GEOJSON PROCESSING TOOLKIT

- 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/

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/

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/

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

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

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

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 |
|-------------------------|---------|---------|-----------|----------|-----------------------------------|------------------------|----------------------|
| 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 | State Certificate | 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

Technical Skills



Geospatial Analysis (Timeline)



Personal Data

| | |
|----------------------|--|
| 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

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

CLUSTER: 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