

Actualmente los miembros del grupo mantienen y desarrollan las siguientes librerías en R. El número total de librerías son 6:

[1\) alphahull: Computation of the alpha-shape and alpha-convex hull of a given sample of points in the plane.](#)

[2\) alphashape3d: Implementation of the 3D alpha-shape for the reconstruction of 3D sets from a point cloud.](#)

[3\) fda.usc: Functional Data Analysis and Utilities for Statistical Computing.](#)

[4\) NPCirc package.](#)

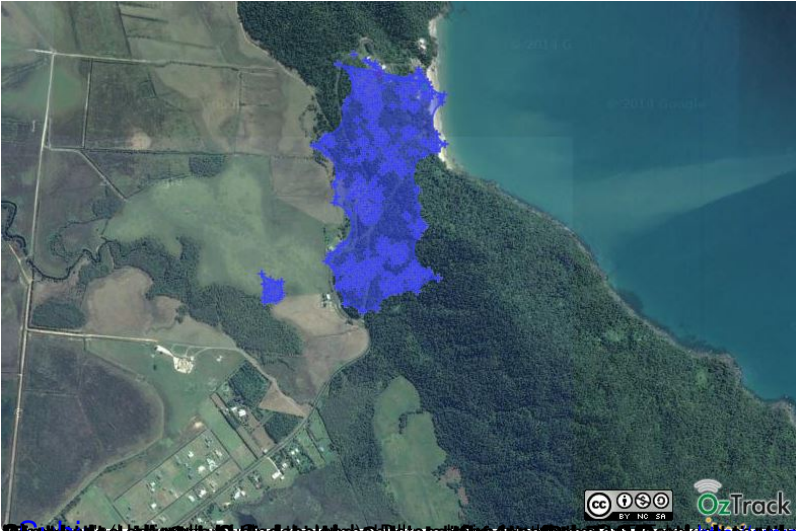
[5\) DCL: Double Chain Ladder Model.](#)

[6\) DOvalidation: Local Linear Hazard Estimation with Do-Validated and Cross-Validated Bandwidths.](#)

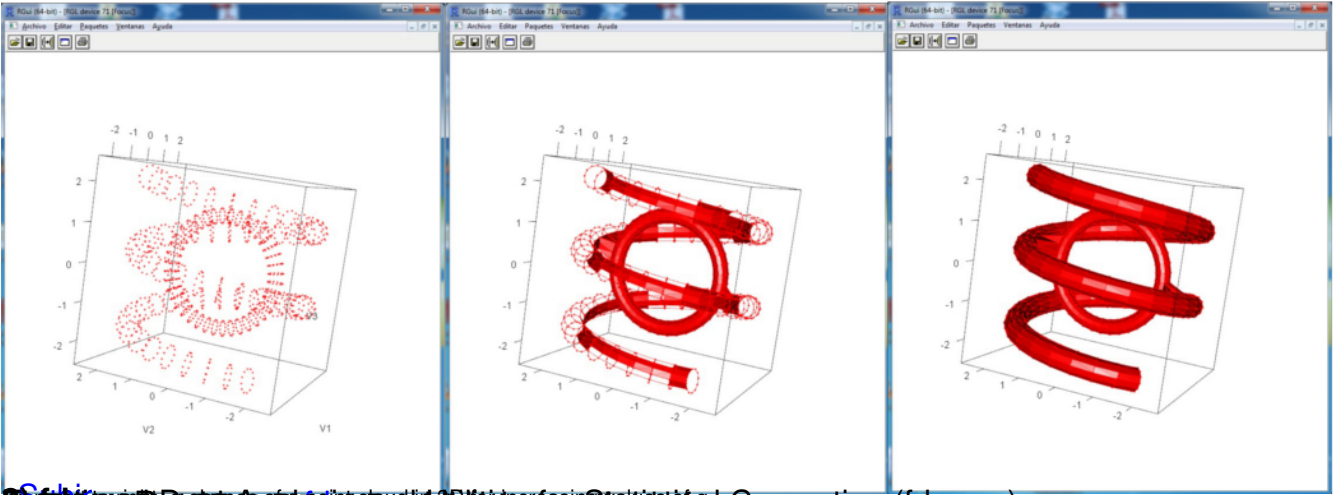
1) alphahull: Computation of the alpha-shape and alpha-convex hull of a given sample of points in the plane.

The concepts of alpha-shape and alpha-convex hull generalize the definition of the convex hull of a finite set of points. The programming is based on the duality between the Voronoi diagram and Delaunay triangulation. The package also includes a function that returns the Delaunay mesh of a given sample of points and its dual Voronoi diagram in one single object.

Version:	2.0
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Vignettes:	Generalizing the Convex Hull of a Sample: The R Package
alphahull	
CRAN:	http://cran.r-project.org/web/packages/alphahull/index.html

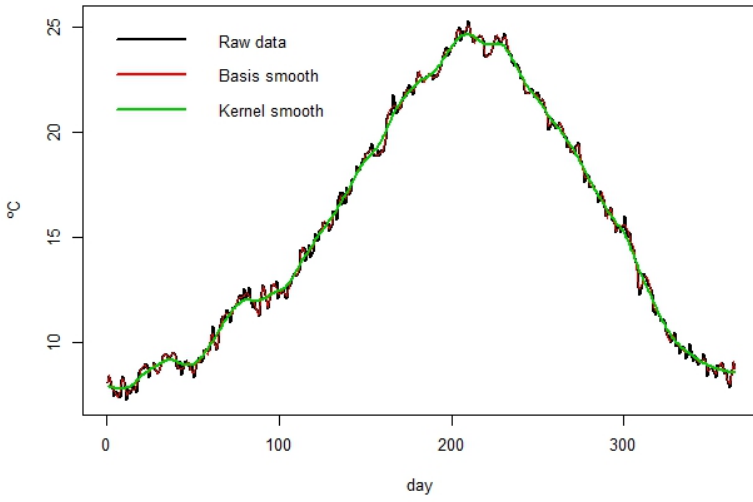


[Private Machine Learning Models for COVID-19 Risk Assessment](#)

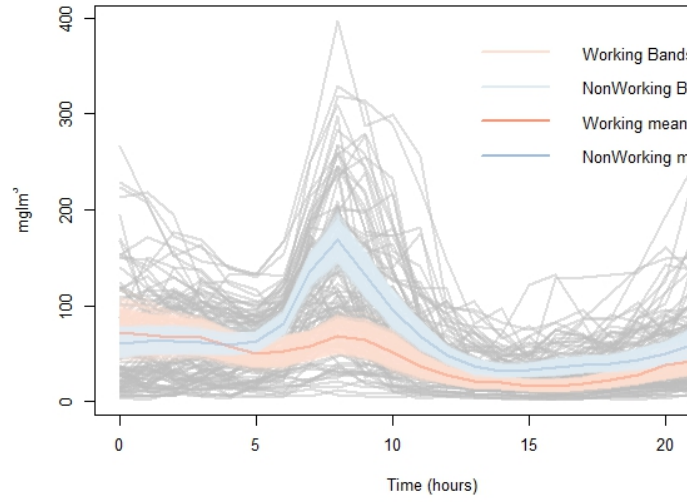


[A Hands-on Introduction to Deep Learning for Time Series Forecasting](#)

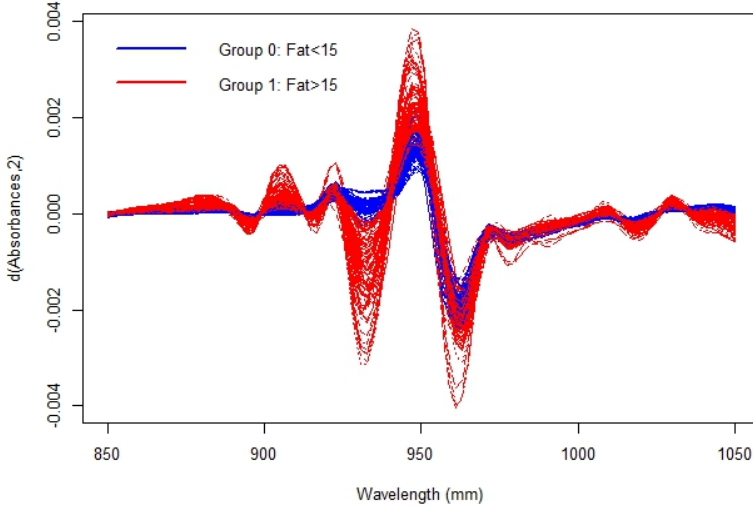
Barcelona airport temperature, Mean 1990-2009



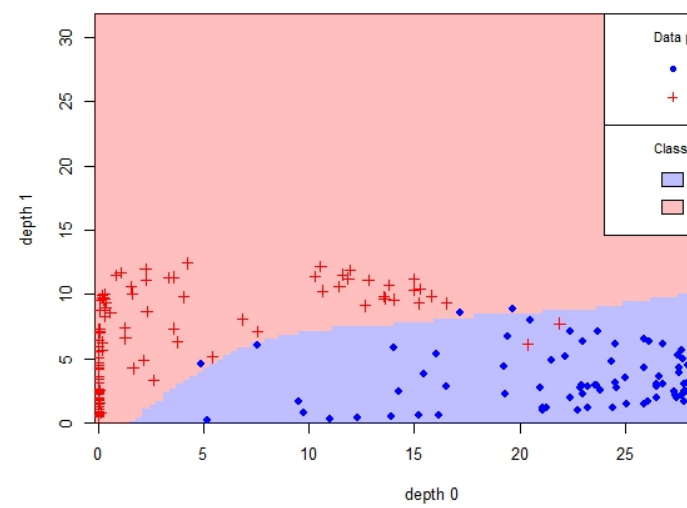
NOx levels in Poblenou (Barcelona)



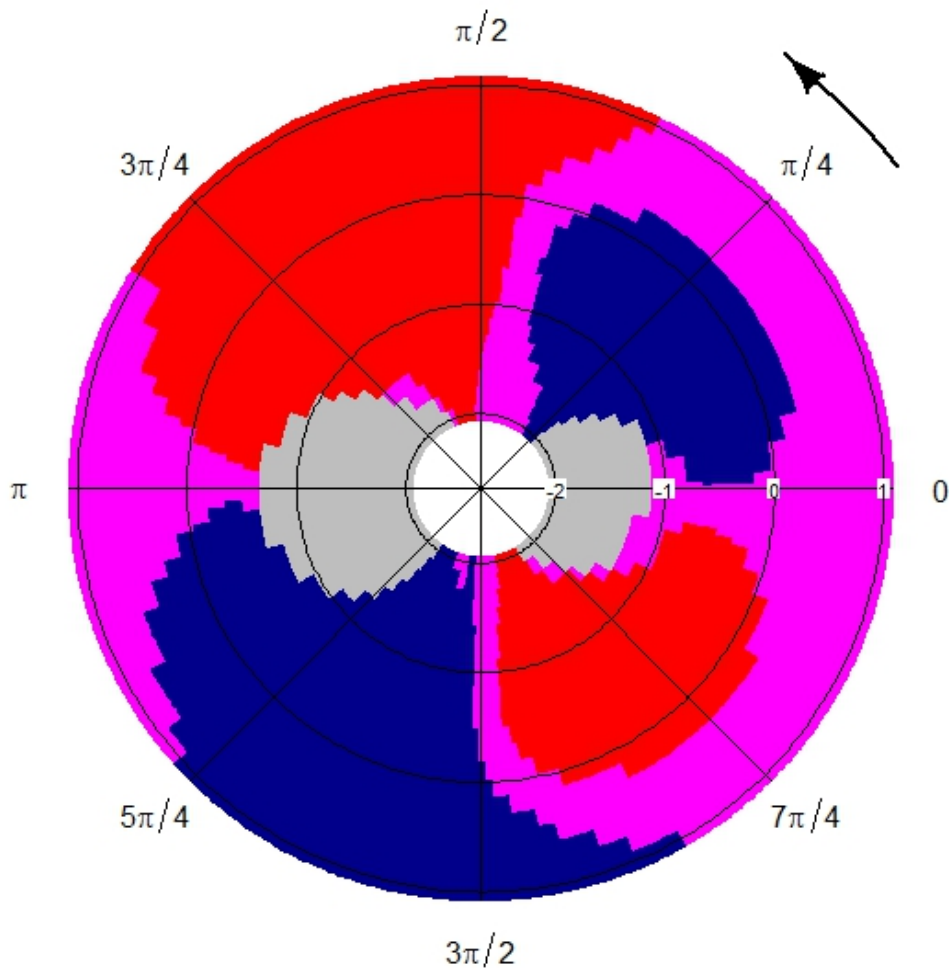
Spectrometric curves



DD-plot(mode,gam)



Partial dependence plots for the model. The plots show the relationship between the response variable and the predictor variables, averaged over the other predictors. The plots are arranged in a grid, with the first row showing the relationship between the response variable and the predictor variables, and the second row showing the relationship between the response variable and the predictor variables, averaged over the other predictors.



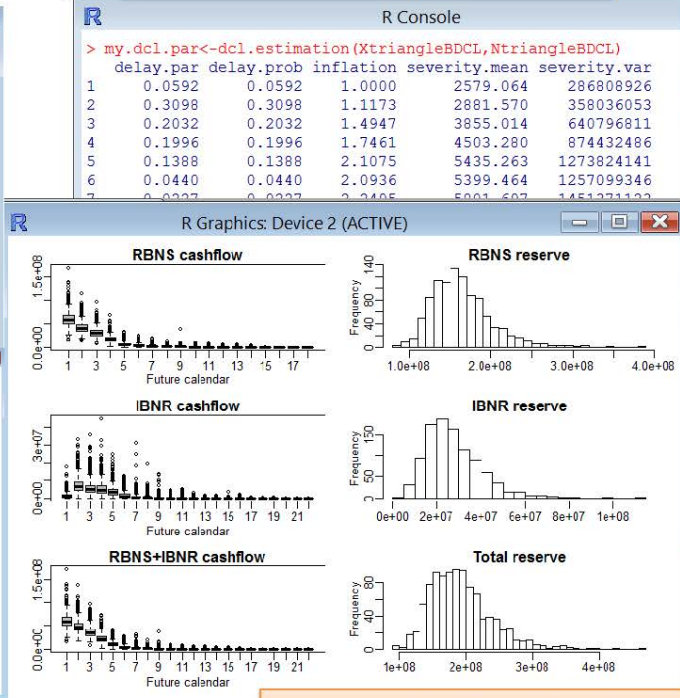
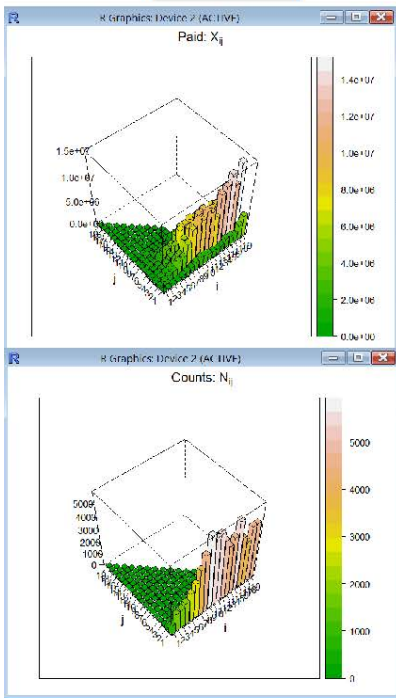
Software
Do not use for commercial purposes. Release: [DOI: 10.1.0.0](#), r-0.0.0. [DC](#)

Outstanding liabilities forecasting through DCL

Data

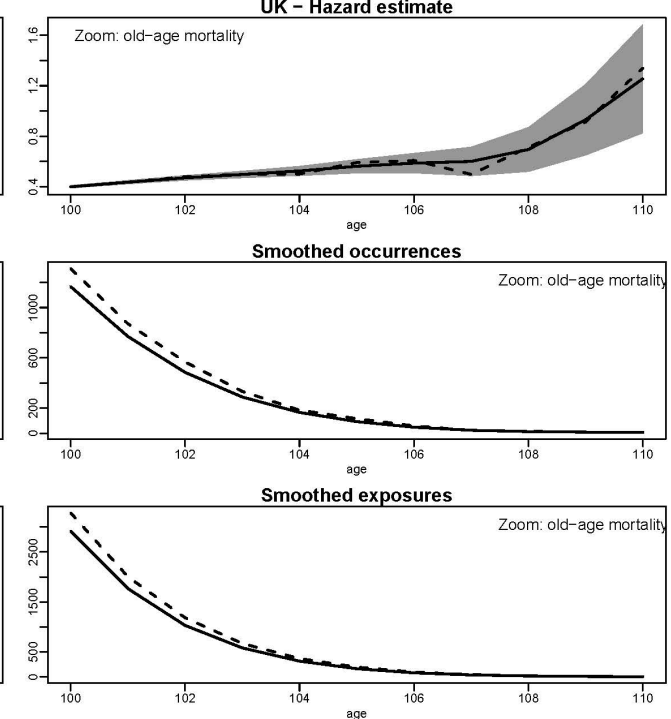
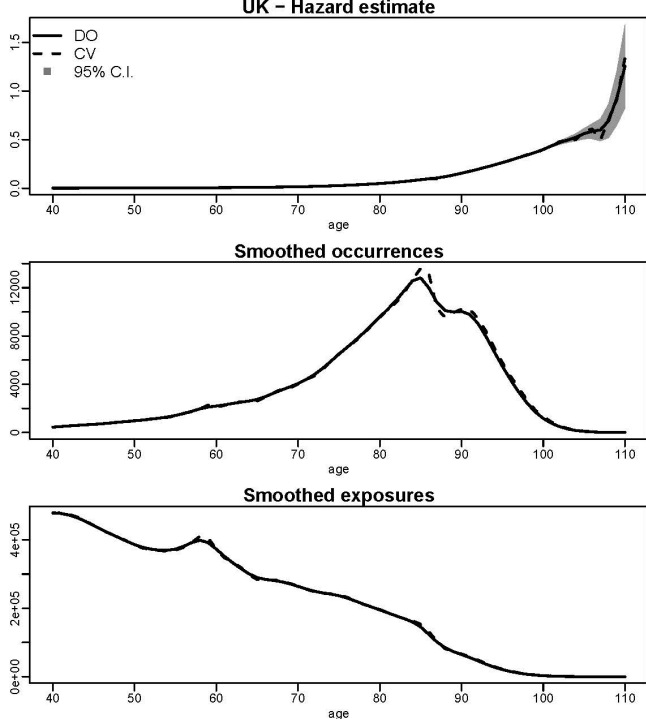
Estimated model parameters

Estimated time effects



The predictive distribution

Download information on the software and the data used in this presentation. The software is available at www.dcl.dk and the data is available at www.dcl.dk. The software is available at www.dcl.dk and the data is available at www.dcl.dk. The software is available at www.dcl.dk and the data is available at www.dcl.dk.



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