

200633 - EPIDEMIOLOGIA ESPACIAL (Curs Total)

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TASK 3

TASK 3: Interaction

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The nest data from islet "nucli 84" is stored in *nucli84.txt*. Additionally, the coordinates of the islet are in *poly84.txt*.

1. Build a ppp object using the "nucli 84" data.
 - Use the data in *poly84.txt* as window.
 - Change the reference point to minimum and maximum values of X and Y.
2. Check the interaction pattern.
3. Model the relation between the intensity of the point process and the covariates height and vegetation accounting for the interaction.
Interpret the estimates.
 - Ordinary Krigging predictions are in files *height.txt* and *veg.txt*.
 - The grids related to the predictions are in *grid.txt* and *grid_veg.txt* files.

[◀ Example 3](#)[TASK 3 files ▶](#)