Spatial Econometrics

Dani Arribas-Bel

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This session[1] is based on the following references, which are great follow-up's on the topic:

- Session III of .
- XXX fill in XXX.

This tutorial is part of Spatial Analysis Notes, a compilation hosted as a GitHub repository that you can access it in a few ways:

- As a download of a `.zip` file that contains all the materials.
- As an html website.
- As a pdf document
- As a GitHub repository.

Dependencies

This tutorial relies on the following libraries that you will need to have installed on your machine to be able to interactively follow along[2]. Once installed, load them up with the following commands:

```
# Layout
library(tufte)
# For pretty table
library(knitr)
# Spatial Data management
library(rgdal)
# Pretty graphics
library(ggplot2)
# Pretty maps
library(ggmap)
# Various GIS utilities
library(GISTools)
# For all your interpolation needs
library(gstat)
# For data manipulation
library(plyr)
# Spatial regression
library(spdep)
```

Before we start any analysis, let us set the path to the directory where we are working. We can easily do that with `setwd()`. Please replace in the following line the path to the folder where you have

[1] Points – Kernel Density Estimation and Spatial interpolation by Dani Arribas-Bel is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.

[2] You can install package `mypackage` by running the command `install.packages("mypackage")` on the R prompt or through the `Tools --> Install Packages...` menu in RStudio.

placed this file -and where the `house_transactions` folder with the data lives.

```
#setwd('/media/dani/baul/AAA/Documents/teaching/u-lvl/2016/envs453/code')
setwd('.')
```

Data

References