

Barcelona due to its economic crisis and unemployment issue has been observing fluctuating population .

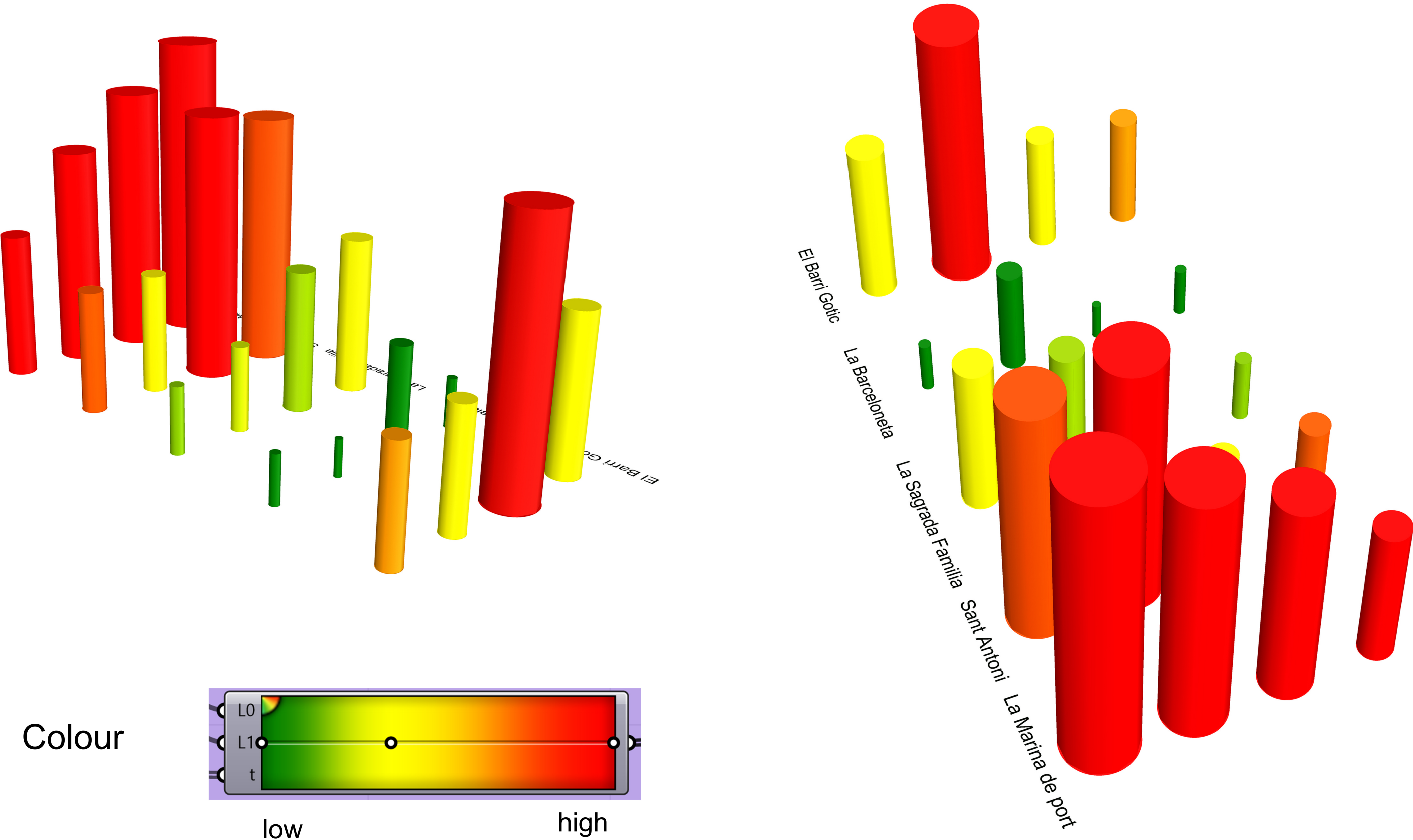
Hence it was an interesting aspect to study Barcelona's population growth and in different areas , such as El Bari Gotic , La Sagrada Familia , La Barceloneta , Sant Antoni and La Marine de Port .



Population study helps one to measure the impact of an intervention in a defined target population. These studies can provide further validation of the methods utilized and information about whether or not an intervention works in various population groups.

From the data visualization it can be observed that La Marine de Port has had a constant growth , but El Barri Gotic had a drastic increase in population and then again reduced very comparative to also La Barceloneta area.In Sant Antoni are there has been a drastic reduction .

This fluctuating phenomena could be related to mobile citizens , who fill gaps in local labour market .



# RESIDENTIAL AND NON-RESIDENTIAL POPULATION

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## RESIDENTIAL AND NON-RESIDENTIAL POPULATION IN St ADRIA DE BESOS

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### SPECULATION

The location of the investigation area is Sant Adria de Besos.

In order to analyse the users of the site for a facade design for the river el Besos, I have chosen to investigate the residential and non-residential population in the area.

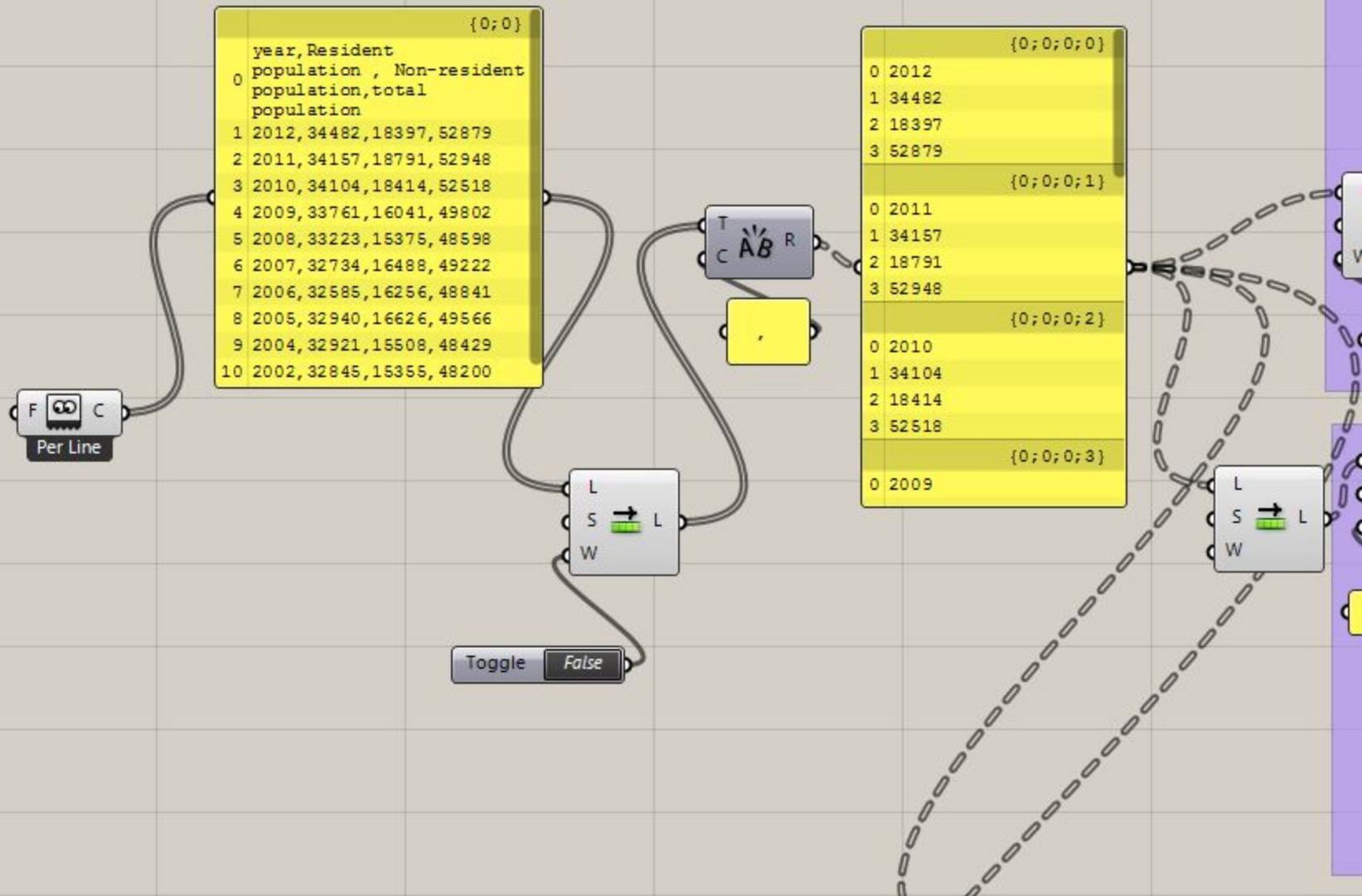
### DATA MINING

I have combined the data of residential and non residential population of the area in Excel:

1	year	Resident population	Non-resident population	total population	
2	2012	34482	18397	52879	
3	2011	34157	18791	52948	
4	2010	34104	18414	52518	
5	2009	33761	16041	49802	
6	2008	33223	15375	48598	
7	2007	32734	16488	49222	
8	2006	32585	16256	48841	
9	2005	32940	16626	49566	
10	2004	32921	15508	48429	
11	2002	32845	15355	48200	
12	2001	32641	15665	48306	
13					
14					

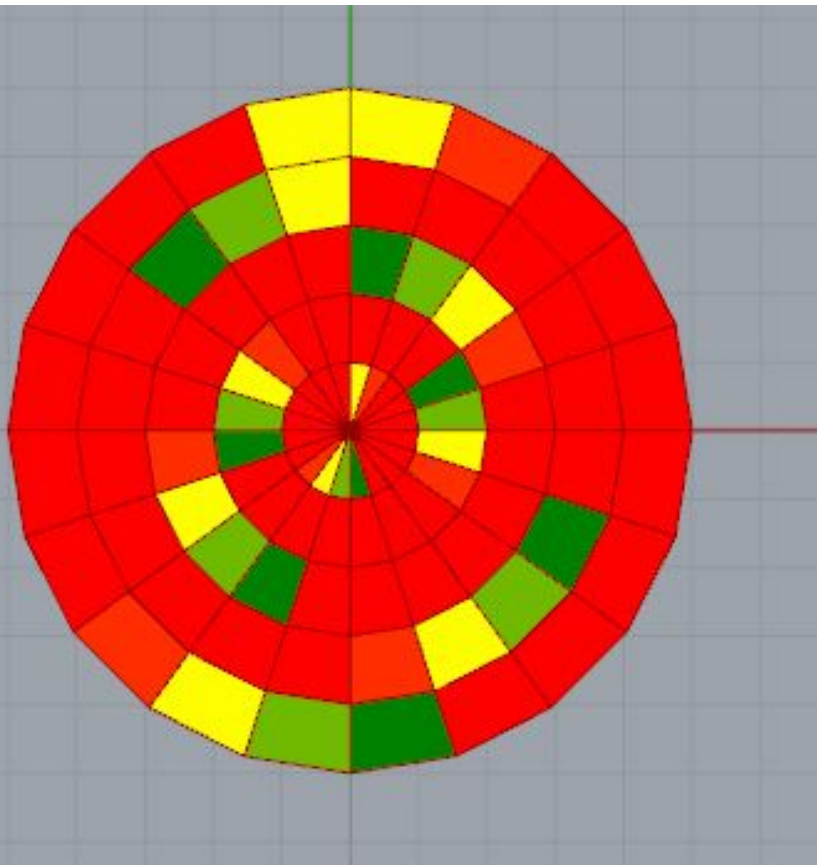


## Managing Grasshopper :

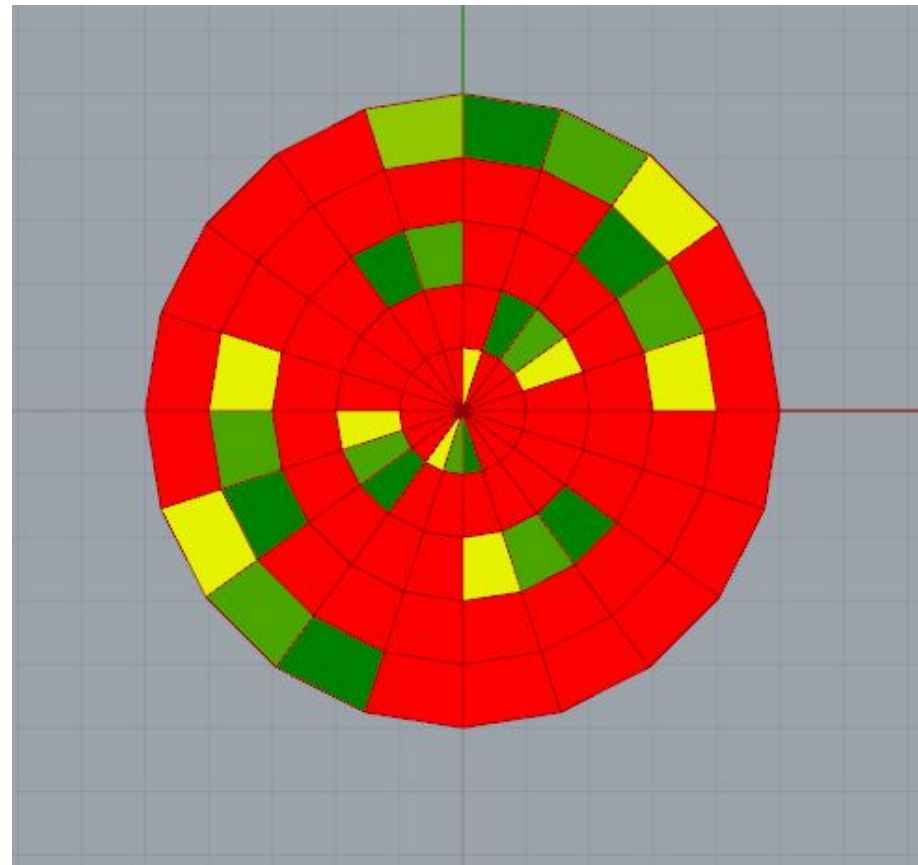








Residential population



Non -Residential population

Data Reference :

<http://www.idescat.cat/territ/BasicTerr?>

TC=5&V0=1&V1=08194&V3=5465&V4=5470&ALLINFO=TRUE&PARENT=1&CTX=B