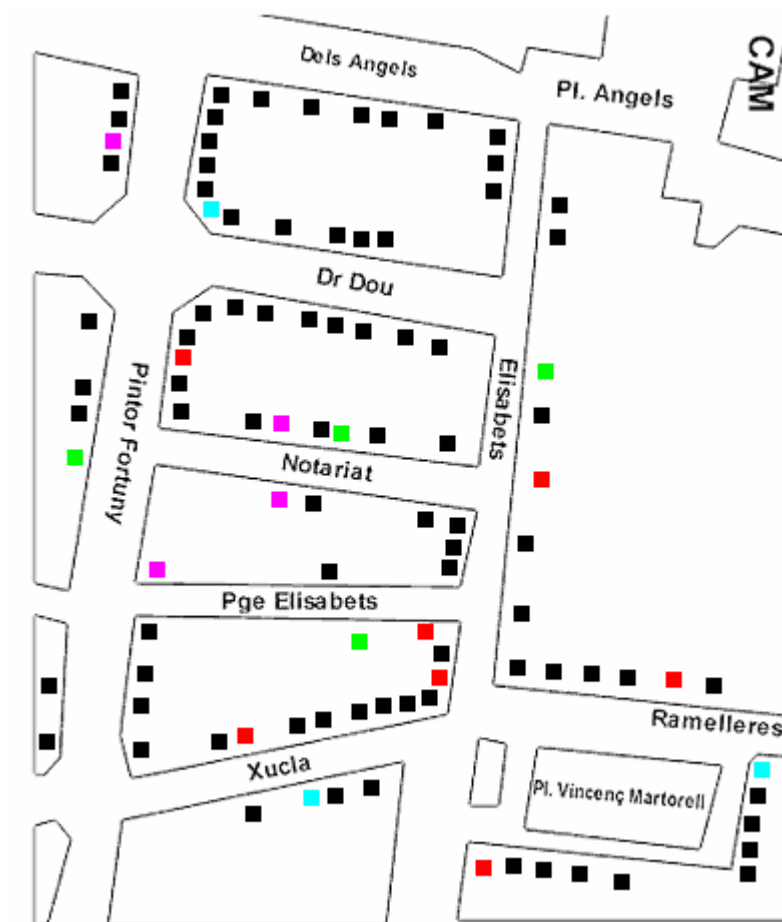


# Presenting the raw data

## Land use maps

key:	
■	gentrified
■	training centres
■	workshops
■	immigrant services
■	local services
■	professional services
■	services of poverty

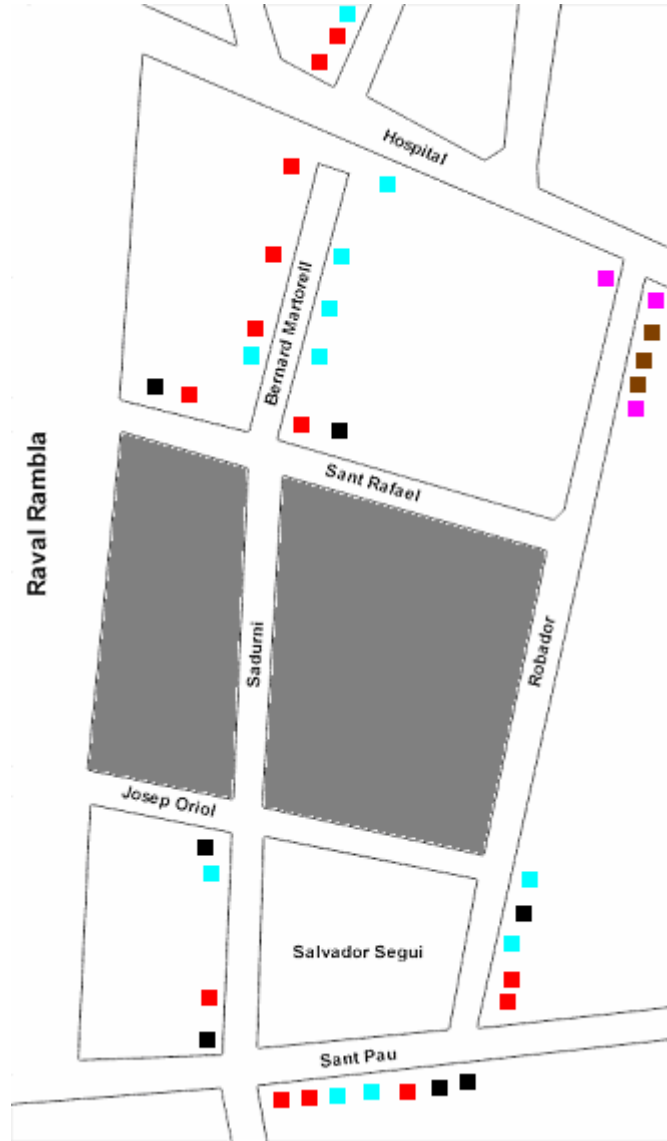
### Zone 1



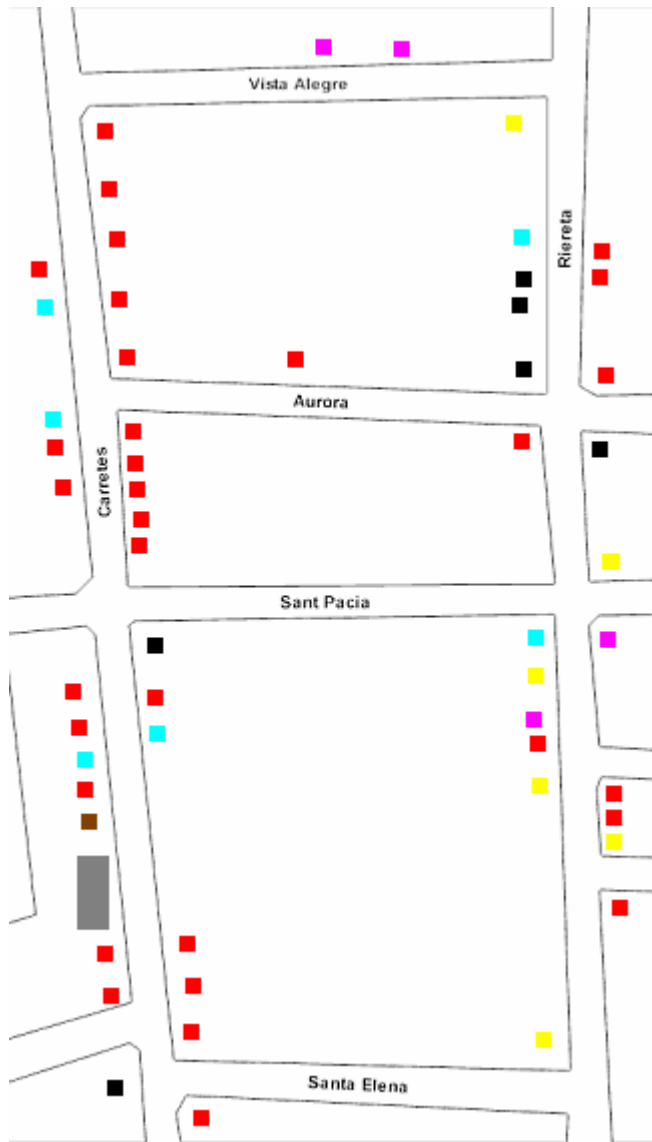
Zone 2



Zone 3



Zone 4





### Residential decay survey

*A table to show the scores I gave each individual zone*

Features	Site			
	Zone1	Zone2	Zone3	Zone4
Deterioration of walls	3	1	0	1
Part peeling	2	1	0	1
Broken glass in windows	3	1	0	1
Structural damage e.g. settling cracks	6	3	3	3
Rotting timber	4	2	2	2
Broken gutters, etc	7	3	1	1
<b>Total score</b>	<b>25</b>	<b>11</b>	<b>6</b>	<b>9</b>

### Environmental survey

*A table to show the scores I gave each individual zone*

Feature	Zone			
	Zone1	Zone2	Zone3	Zone4
Landscape quality	6	2	4	0
Derelict (waste) land	8	8	0	9
Litter/vandalism	6	4	2	3
Industrial work shop premises	7	6	6	6
Noise	3	2	2	2
Air pollution	4	5	8	7
Access to recreational amenities	4	2	2	0
Traffic flow	6	6	6	6
<b>Total</b>	<b>44</b>	<b>35</b>	<b>30</b>	<b>33</b>

## Perception Survey

*A table to show the scores I gave each individual zone*

		<b>Zone1</b>	<b>Zone2</b>	<b>Zone3</b>	<b>Zone4</b>
<b>Positive qualities</b>	<b>Rich</b>	1	1	0	0
	<b>Safe</b>	1	0	0	0
	<b>Friendly/relaxed</b>	1	0	0	0
	<b>Improving</b>	3	2	3	3
	<b>Community atmosphere</b>	3	0	0	0
	<b>Attractive area</b>	2	1	0	0
<b>Negative qualities</b>	<b>Poor</b>	1	1	3	2
	<b>Dangerous</b>	1	1	3	2
	<b>Declining</b>	0	0	0	0
	<b>Risk of crime</b>	1	2	3	2
	<b>Unattractive area</b>	1	2	3	2
	<b>vandalised</b>	1	2	3	2
	<b>Total positive score</b>	<b>11</b>	<b>4</b>	<b>3</b>	<b>3</b>
	<b>Total negative score</b>	<b>5</b>	<b>8</b>	<b>15</b>	<b>10</b>
	<b>Total score</b>	<b>6</b>	<b>-4</b>	<b>-12</b>	<b>-7</b>

## Price of a convenience item

*A table to show the prices I collected from the 12 convenience stores*

<b>Sampling location</b>	<b>Price of convenience item (€)</b>
<b>1</b>	0.50
<b>2</b>	0.65
<b>3</b>	0.69
<b>4</b>	0.60
<b>5</b>	0.70
<b>6</b>	0.65
<b>7</b>	0.75
<b>8</b>	0.80
<b>9</b>	0.80
<b>10</b>	0.75
<b>11</b>	0.65
<b>12</b>	0.80

# Data Presentation

## Residential decay survey

A score was given to each of the residential decay qualities depending on my perceptions of the zone. The score was then totalled for each individual zone, and the higher the score the better my perceptions were of that particular zone. Before carrying out the study I made a key, which suggested the description residential decay of the zones based on the score I gave it.

*A table to show the ratings of the scores*

	<b>Much</b>	<b>Some</b>	<b>Little</b>	<b>None</b>
<b>Deterioration of walls</b>	0	1	3	5
<b>Part peeling</b>	0	1	2	3
<b>Broken glass in windows</b>	0	1	3	7
<b>Structural damage e.g. settling cracks</b>	0	3	4	8
<b>Rotting timber</b>	0	2	4	8
<b>Broken gutters, etc</b>	0	1	3	7

*A key to show a suggestion of the description of the zone based on my perceptions*

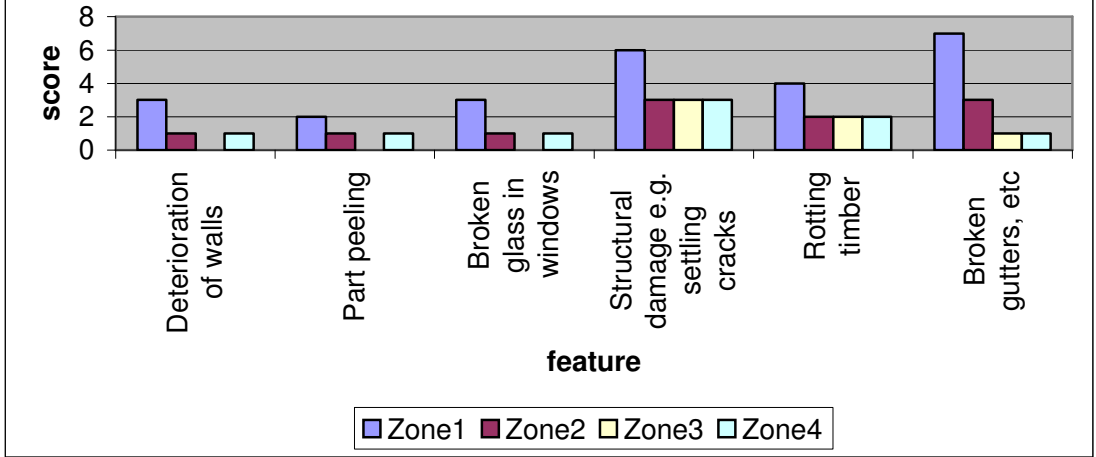
<b>Score</b>	<b>Physical condition of buildings</b>
<b>33-41</b>	Good/ excellent
<b>23-32</b>	Satisfactory
<b>14-22</b>	Generally unsatisfactory. May be bad in specific parts
<b>5-13</b>	Action needed in very near future to improve structure
<b>Below 5</b>	Need to demolish or rebuild

*A table to show the scores I gave each individual zone*

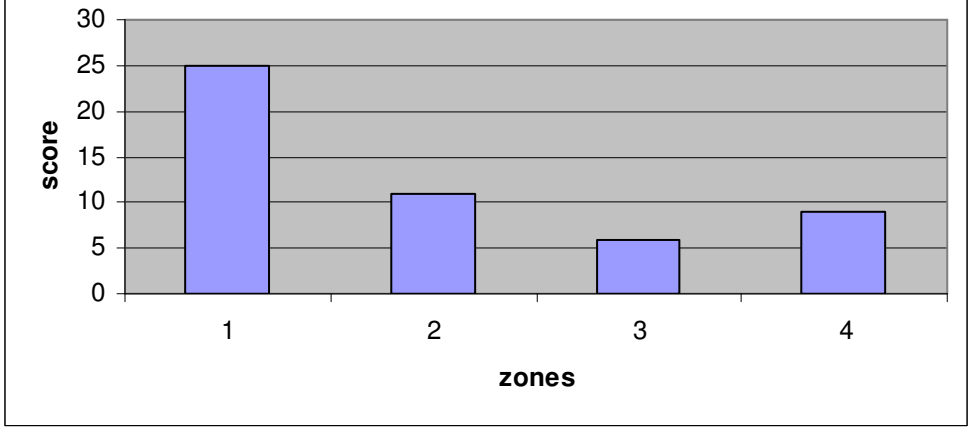
<b>Features</b>	<b>Site</b>			
	<b>Zone1</b>	<b>Zone2</b>	<b>Zone3</b>	<b>Zone4</b>
<b>Deterioration of walls</b>	3	1	0	1
<b>Part peeling</b>	2	1	0	1
<b>Broken glass in windows</b>	3	1	0	1
<b>Structural damage e.g. settling cracks</b>	6	3	3	3
<b>Rotting timber</b>	4	2	2	2
<b>Broken gutters, etc</b>	7	3	1	1
<b>Total score</b>	<b>25</b>	<b>11</b>	<b>6</b>	<b>9</b>

To present my data and to make it easier to visualise the results I drew two bar charts showing the score that I gave each individual zone, meaning that the results could be easily compared.

**A bar chart to show the differences of scores in the residential decay qualities between the different zones**



**A bar chart to show of total scores in the residential decay qualities between the different zones**



## Environmental survey

A score in between the chosen ranges was given to each of the environmental qualities depending on my perceptions of the zone. The score was then totalled for each individual zone, and the higher the score the better my perceptions were of that particular zone.

*A table to show the range of scores for each environmental feature*

Feature	Range of possible scores
Landscape quality	0-8
Derelict (waste) land	0-10
Litter/vandalism	0-8
Industrial work shop premises	0-10
Noise	0-5
Air pollution	0-10
Access to recreational amenities	0-4
Traffic flow	0-6

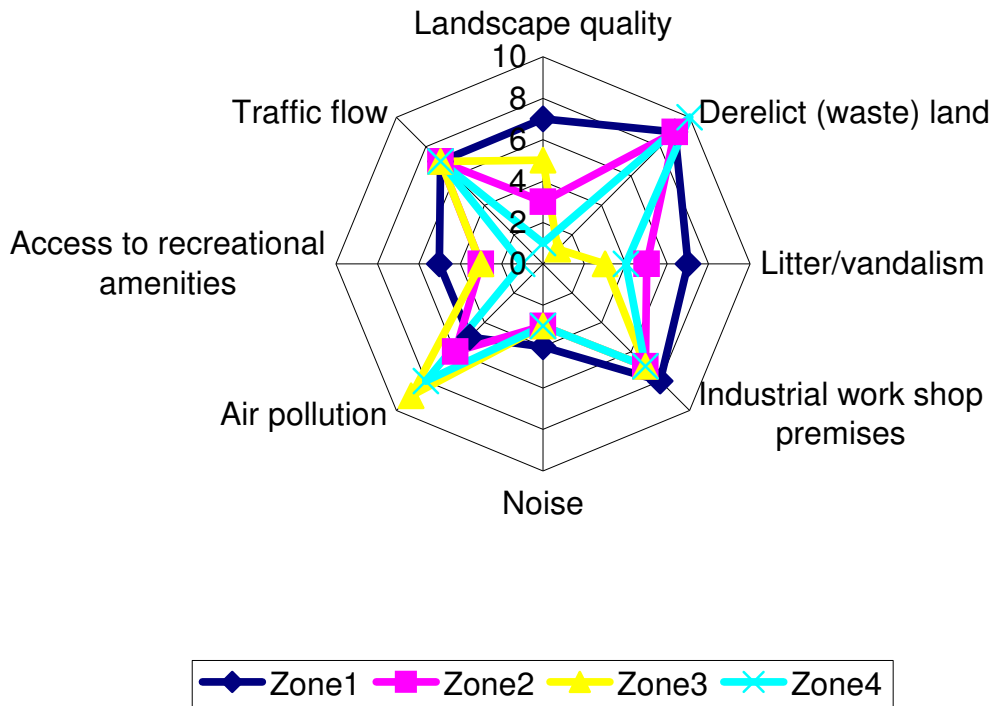
*A table to show the scores I gave each individual zone*

Feature	Zone			
	Zone1	Zone2	Zone3	Zone4
Landscape quality	6	2	4	0
Derelict (waste) land	8	8	0	9
Litter/vandalism	6	4	2	3
Industrial work shop premises	7	6	6	6
Noise	3	2	2	2
Air pollution	4	5	8	7
Access to recreational amenities	4	2	2	0
Traffic flow	6	6	6	6
<b>Total</b>	<b>44</b>	<b>35</b>	<b>30</b>	<b>33</b>

To present my data and to make it easier to visualise the results I drew a radar graph showing the score that I gave each individual zone, meaning that the results could be easily compared. The advantage of a radar graph is that all the data can be shown in one graph.

To keep the open shapes of scores for each zone, I added one to each of the scores. This had no effect on the comparing of the scores as they were all treated in the same way. This made it easier to see the results clearly.

**A radar graph to show the differences in the scores for the qualities of the environmental survey in the different zones**



## Perception Survey

A score was given to each of the perception qualities depending on my opinions of the zone. The score was then totalled for each individual zone, and the higher the score the better my perceptions were of that particular zone.

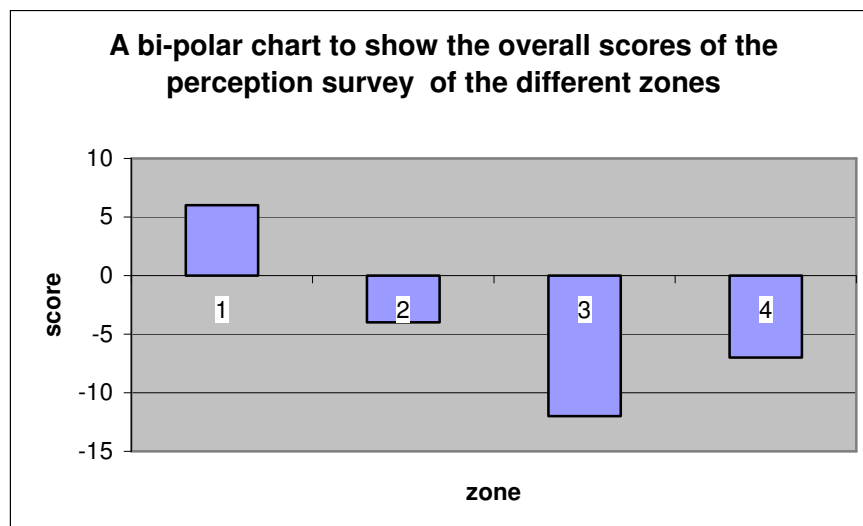
*A table to show the ratings of the scores*

	<b>Very strongly felt</b>	<b>Strongly felt</b>	<b>Felt</b>	<b>Not felt</b>
<b>Score</b>	3	2	1	0

*A table to show the scores I gave each individual zone*

		<b>Zone1</b>	<b>Zone2</b>	<b>Zone3</b>	<b>Zone4</b>
<b>Positive qualities</b>	<b>Rich</b>	1	1	0	0
	<b>Safe</b>	1	0	0	0
	<b>Friendly/relaxed</b>	1	0	0	0
	<b>Improving</b>	3	2	3	3
	<b>Community atmosphere</b>	3	0	0	0
	<b>Attractive area</b>	2	1	0	0
<b>Negative qualities</b>	<b>Poor</b>	1	1	3	2
	<b>Dangerous</b>	1	1	3	2
	<b>Declining</b>	0	0	0	0
	<b>Risk of crime</b>	1	2	3	2
	<b>Unattractive area</b>	1	2	3	2
	<b>vandalised</b>	1	2	3	2
	<b>Total positive score</b>	<b>11</b>	<b>4</b>	<b>3</b>	<b>3</b>
	<b>Total negative score</b>	<b>5</b>	<b>8</b>	<b>15</b>	<b>10</b>
	<b>Total score</b>	<b>6</b>	<b>-4</b>	<b>-12</b>	<b>-7</b>

To present my data and to make it easier to visualise the results I drew a bi-polar chart showing the score that I gave each individual zone, meaning that the results could be easily compared. The advantage of a bi-polar graph is that you can easily identify both the positive and the negative values on the same graph.



## Land use maps

After formalising my colour coded land use maps, I counted the number of accounted for services in each zone. However, to compare the data I needed to find the percentages of each of the services over the total number of services.

*A table to show the number of registered services in each zone*

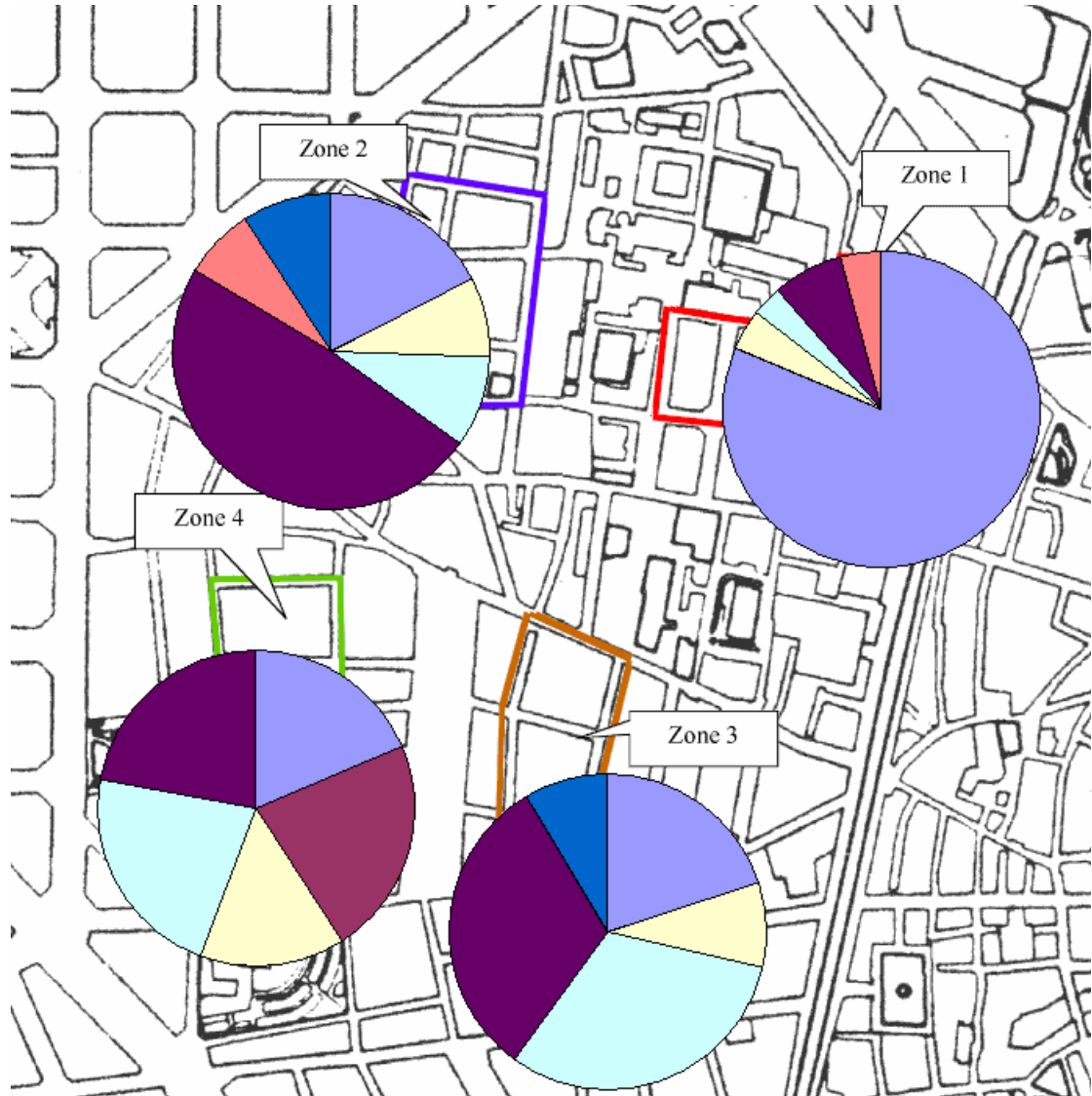
Services	Zone1	Zone2	Zone3	Zone4
<b>Gentrified</b>	79	15	7	5
<b>Training centre</b>	0	0	0	6
<b>Workshops</b>	4	7	3	4
<b>Immigrant services</b>	3	8	11	6
<b>Local services</b>	7	42	11	6
<b>Professional services</b>	4	6	0	0
<b>Services of poverty</b>	0	8	3	0
<b>Total</b>	<b>97</b>	<b>86</b>	<b>35</b>	<b>27</b>

*A table to show the percentage of registered services in each zone (to the nearest whole number)*

Services	Zone1	Zone2	Zone3	Zone4
<b>Gentrified</b>	81	17	20	19
<b>Training centre</b>	0	0	0	22
<b>Workshops</b>	4	8	9	15
<b>Immigrant services</b>	3	9	31	22
<b>Local services</b>	7	49	31	22
<b>Professional services</b>	4	7	0	0
<b>Services of poverty</b>	0	9	9	0
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>



To present my data and to make it easier to visualise the results I drew a series of pie charts showing the percentage of registered services that I gave each individual zone, meaning that the results could be easily compared. The advantage of a pie chart is that it displays the relative proportions of multiple classes of data, it also simply summarizes a large data set in visual form. However they do not easily or clearly reveal the exact values.



I categorised each of the services of each zone into three sections, depending on what I thought that the services indicated about the quality of the area, and calculated the percentages over the total number of services.

- ‘rich’ indications
  - gentrified
  - professional services
- ‘poor’ indications
  - training centres
  - workshops
  - immigrant services
  - services of poverty
- ‘non-touristic’ indications
  - local services

*A table to show the number of categorised services in each zone*

Categories	Zone1	Zone2	Zone3	Zone4
‘rich’	83	21	7	5
‘poor’	7	42	11	6
‘non-touristic’	7	23	17	16
<b>total</b>	97	86	35	27

*A table to show the percentage of categorised services in each zone*

Categories	zone1	zone2	zone3	zone4
‘rich’	86	24	20	19
‘poor’	7	49	31	22
‘non-touristic’	7	27	49	59

Then, I plotted a triangular graph using these results, as well as the results from a similar census from 2002. The triangular graph is convenient to show this particular data as it clearly gives quick visual comparison of contrasting component dominance for different areas, also it is particularly useful in identifying changes over time, since a position on the graph will change as the relative dominance of the components change.

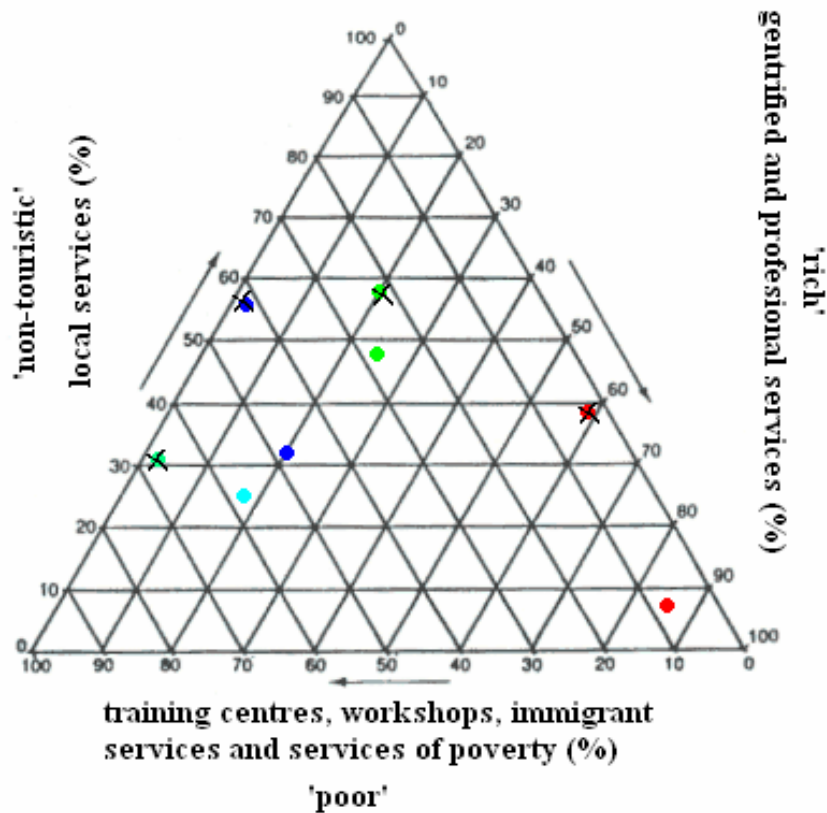
*A table to show the number of categorised services in each zone using information from a census from 2002*

Categories	Zone1	Zone2	Zone3	Zone4
‘rich’	52	25	1	1
‘poor’	3	27	24	36
‘non-touristic’	33	73	33	17
<b>total</b>	88	125	58	54

A table to show the percentage of categorised services in each zone using information from a census from 2002

Categories	zone1	zone2	zone3	zone4
'rich'	59	20	2	2
'poor'	3	22	41	67
'non-touristic'	38	58	57	31

A triangular graph to show the differences of land use over time in the four chosen zones



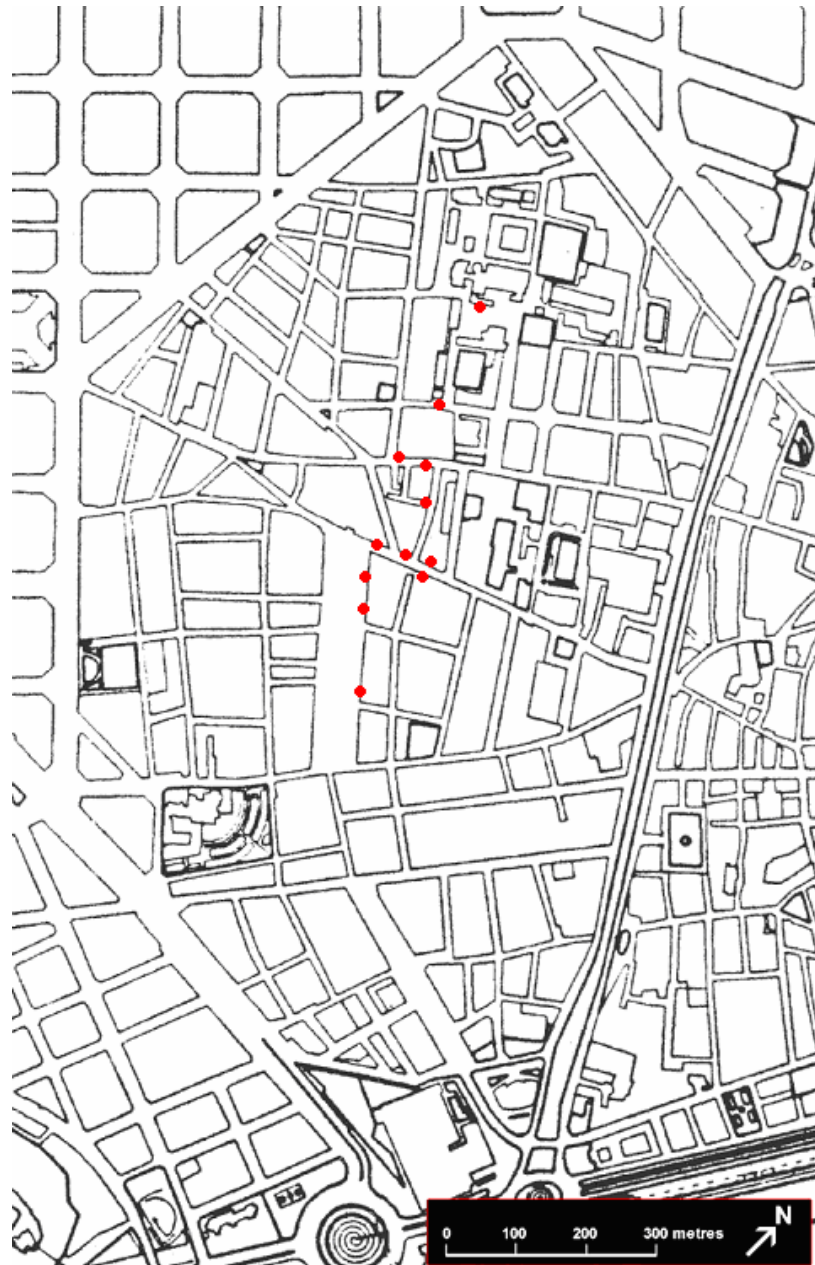
Key:

- = Zone 1 (2004)
- = Zone 2 (2004)
- = Zone 3 (2004)
- = Zone 4 (2004)
- ✕ = Zone 1 (2002)
- ✕ = Zone 2 (2002)
- ✕ = Zone 3 (2002)
- ✕ = Zone 4 (200 )

### Price of a convenience item

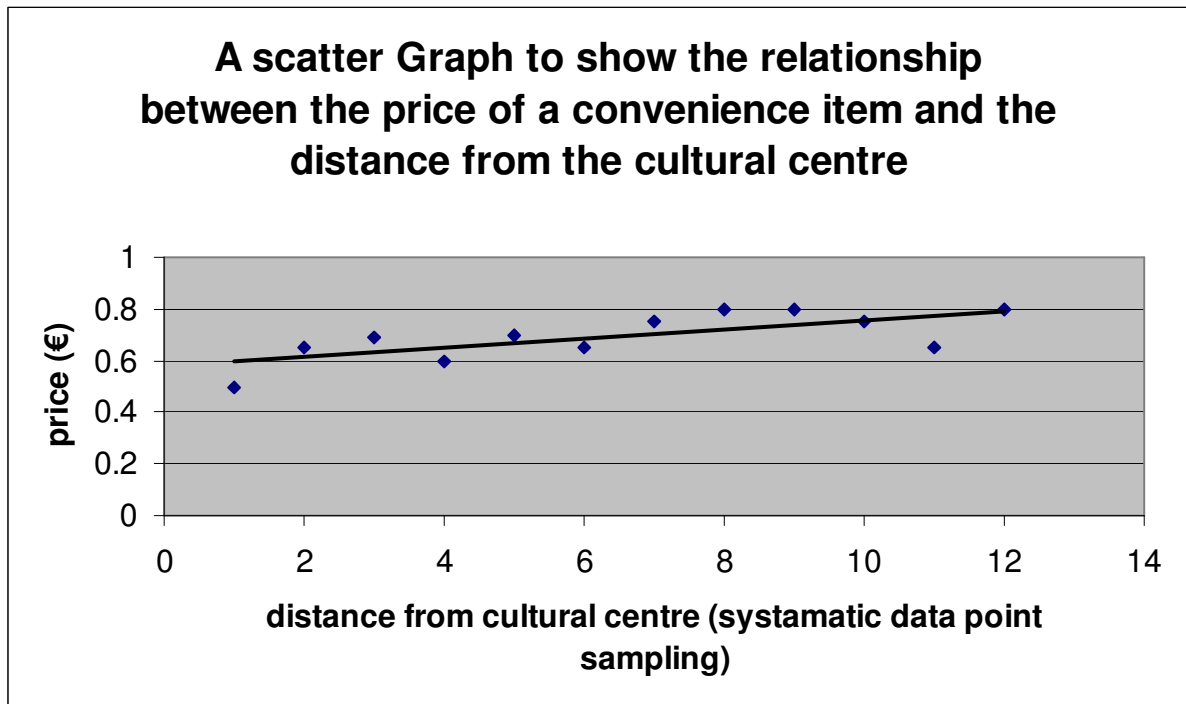
To collect the data to see how the price of a convenience item changed along the transect line, I found out the price of a 50cl bottle of coca-cola in 12 convenience stores along the transect line. Using my results I then plotted a scatter graph with a line of best fit to visualise any apparent trends or correlations between the two variables.

*A map to show the location of the 12 convenience stores which I took samples from*



*A table to show the prices I collected from the 12 convenience stores*

<b>Sampling location</b>	<b>Price of convenience item (€)</b>
<b>1</b>	0.50
<b>2</b>	0.65
<b>3</b>	0.69
<b>4</b>	0.60
<b>5</b>	0.70
<b>6</b>	0.65
<b>7</b>	0.75
<b>8</b>	0.80
<b>9</b>	0.80
<b>10</b>	0.75
<b>11</b>	0.65
<b>12</b>	0.80



## Mann Whitney U Test

This method of statistical analysis tests the significance of the differences between sets of data, or whether they simply occurred by chance. It tests the reliability of the results, meaning how many times out of a hundred that you would get the same results if the study were repeated. I predict that the further away from the cultural centre the result is taken the lower the price of the convenience item, due to the decreasing land value which is clearly apparent.

First I need to divide my data into two groups to see if there is a difference between them. I decided to group my data into the first 6 results and the second 6 results, sample 1 and sample 2 accordingly. Then I will calculate the mean, median and mode averages, to see if there are any obvious differences. If there is a difference between the two groups, then I will carry out a further statistical test to test the significance of the difference. To do this, I will first need to rank the data from highest to lowest, and if there are two samples of the same value the sample from group A is to be placed first. Then I need to calculate the value of U by inspecting each B value and counting how many A values precede it, this process then needs to be repeated in the reverse for the A values. By taking the smaller of the two values and using the table below I will be able to look up the percentage probability that the difference between the two sets of data could have occurred by chance.

Sample 1: €0.50, €0.65, €0.69, €0.60, €0.70, €0.65

Sample 2: €0.75, €0.80, €0.80, €0.75, €0.65, €0.80

*A table to show the averages of the two samples (2d.p. –units = €)*

	<b>Mean</b>	<b>Median</b>	<b>Mode</b>
<b>Sample1</b>	0.63	0.65	0.65
<b>Sample2</b>	0.76	0.78	0.80

*A table to show the values in order of rank from highest to lowest*

<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>B</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>B</b>	<b>A</b>	<b>A</b>
€0.80	€0.80	€0.80	€0.75	€0.75	€0.70	€0.69	€0.65	€0.65	€0.65	€0.60	€0.50

Value of U for sample A = 5+5+5+5+6+6=32

Value of U for sample B = 0+0+0+0+0+4 = 4

Lowest value of U = 4 (sample B)

*A table to give the percentage probability that the difference between the two sets of data could have occurred by chance*

n <sup>1</sup>	1	2	3	4	5	6	7	<b>8</b>
0	11.1	2.2	0.6	0.2	0.1	0.0	0.0	0.0
1	22.2	4.4	1.2	0.4	0.2	0.1	0.0	0.0
2	33.3	8.9	2.4	0.8	0.3	0.1	0.1	0.0
3	44.4	13.3	4.2	1.4	0.5	0.2	0.1	0.1
4	55.6	20.0	6.7	2.4	0.9	0.4	0.2	0.1
5		26.7	9.7	3.6	1.5	0.6	0.3	0.1
6		35.6	13.9	5.5	2.3	1.0	0.5	0.2
7		44.4	18.8	7.7	3.3	1.5	0.7	0.3
8		55.6	24.8	10.7	4.7	2.1	1.0	0.5
9			31.5	14.1	6.4	3.0	1.4	0.7
10			38.7	18.4	8.5	4.1	2.0	1.0
11			46.1	23.0	11.1	5.4	2.7	1.4
12			53.9	28.5	14.2	7.1	3.6	1.9
13				34.1	17.7	9.1	4.7	2.5
14				40.4	21.7	11.4	6.0	3.2
15				46.7	26.2	14.1	7.6	4.1
16				53.3	31.1	17.2	9.5	5.2
<b>17</b>					36.2	20.7	11.6	<b>6.5</b>
18					41.6	24.5	14.0	8.0
19					47.2	28.6	16.8	9.7

From this test, the percentage probability that the difference between the two sets of data could have occurred by chance is 0.4%, meaning that my results were 99.6% reliable, and that if the study was repeated by 1000 researchers 996 would be expected to obtain the same sort of results. This is extremely reliable, considering the study.

### Spearman's rank correlation coefficient

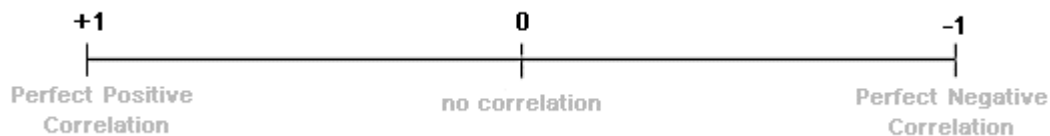
This method of statistical analysis tests the strength of the link between the two sets of data. It tests the reliability of the results, meaning how many times out of a hundred that you would get the same results if the study were repeated. I predict that the further away from the cultural centre the result is taken the lower the price of the convenience item, due to the decreasing land value which is clearly apparent.

First I need to divide my data into two groups to see if there is a difference between them, I will use the same two groups as in the last analytical test. Then I will need to rank the two sets of data from furthest to nearest to the cultural centre. After doing this I will need to rank the data in order of price from highest to lowest. However if there are equal values I will calculate the mean average of their ranks. Then I will calculate the difference between the two ranks (d) and square this value (d<sup>2</sup>). Using the sum of d<sup>2</sup> I will be able to calculate to coefficient of r<sup>2</sup> using the formula below.

$$(R^2) = 1 - \frac{6 \sum d^2}{n^3 - n}$$

Where n = the number of sites at which measurements were taken

The answer will always be between 1 (a perfect positive correlation) and -1 (a perfect negative correlation). The closer R<sup>2</sup> is to +1 or -1, the stronger the likelihood of a correlation. Basically, the greater the value of R<sup>2</sup> the greater the significance level



Now, to test the significance of the relationship, the value of R<sup>2</sup> must be looked up in the Spearman Rank significance table.

Sample 1: €0.50, €0.65, €0.69, €0.60, €0.70, €0.65

Sample 2: €0.75, €0.80, €0.80, €0.75, €0.65, €0.80

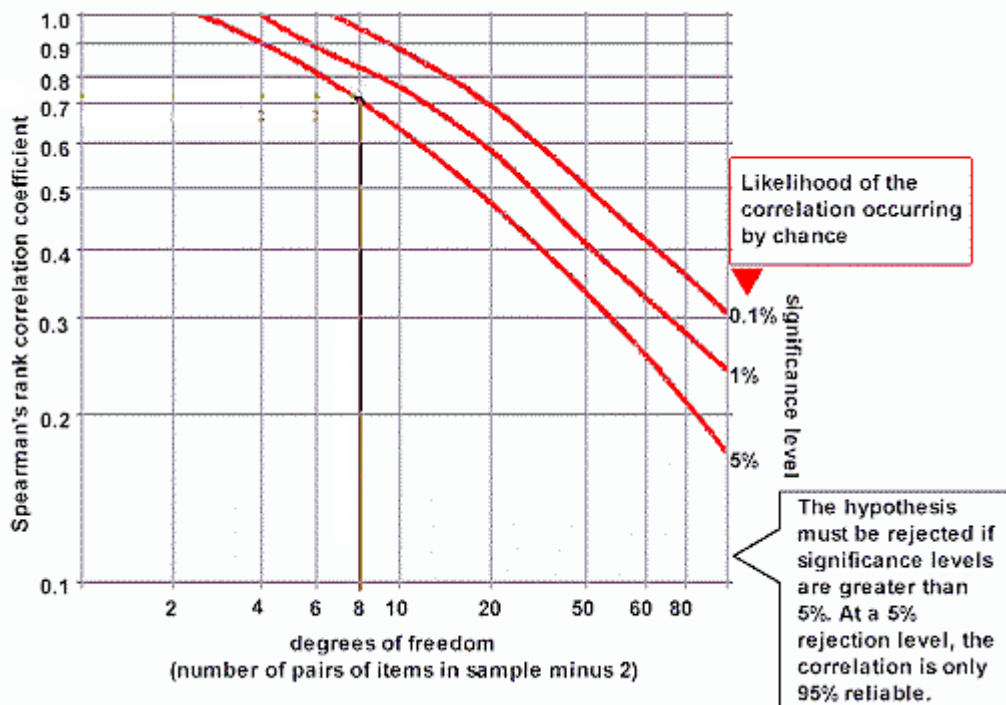


A table to show the value of  $d^2$  for each of the values

Sampling location (furthest to nearest to the cultural centre)	Rank	Price of convenience item (€)	Rank	Difference between ranks (d)	$d^2$
1	1	0.50	12	11	121
2	2	0.65	9	7	49
3	3	0.69	4	1	1
4	4	0.60	11	7	49
5	5	0.70	6	1	1
6	6	0.65	9	3	9
7	7	0.75	4.5	2.5	6.25
8	8	0.80	1	7	49
9	9	0.80	1	8	64
10	10	0.75	4.5	5.5	30.25
11	11	0.65	9	2	4
12	12	0.80	1	11	121
					Sum = 504.5

$$R^2 = -0.763986014$$

A graph to find out the significance of the Spearman's rank correlation coefficients and degrees of freedom

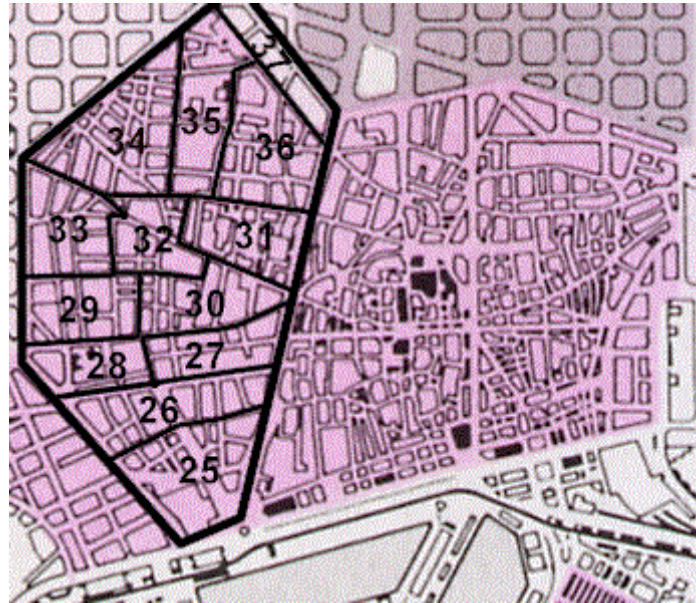


From this test, the significance level is about 1%, meaning that the probability of the relationship I have found being a chance event is about 1 in 100. I am 99% sure that my hypothesis is correct, and 99 out of 100 researchers would be expected to get the same results.

## Secondary data

I took secondary information about the population origin and the average household income from a census from previous years.

*A diagram to show how the land was divided into different zones for the census*



Only certain zones from this census are of any value to me, as they correlate to the zones which I took results for in my study.

*A table to show which zones correlate with each other*

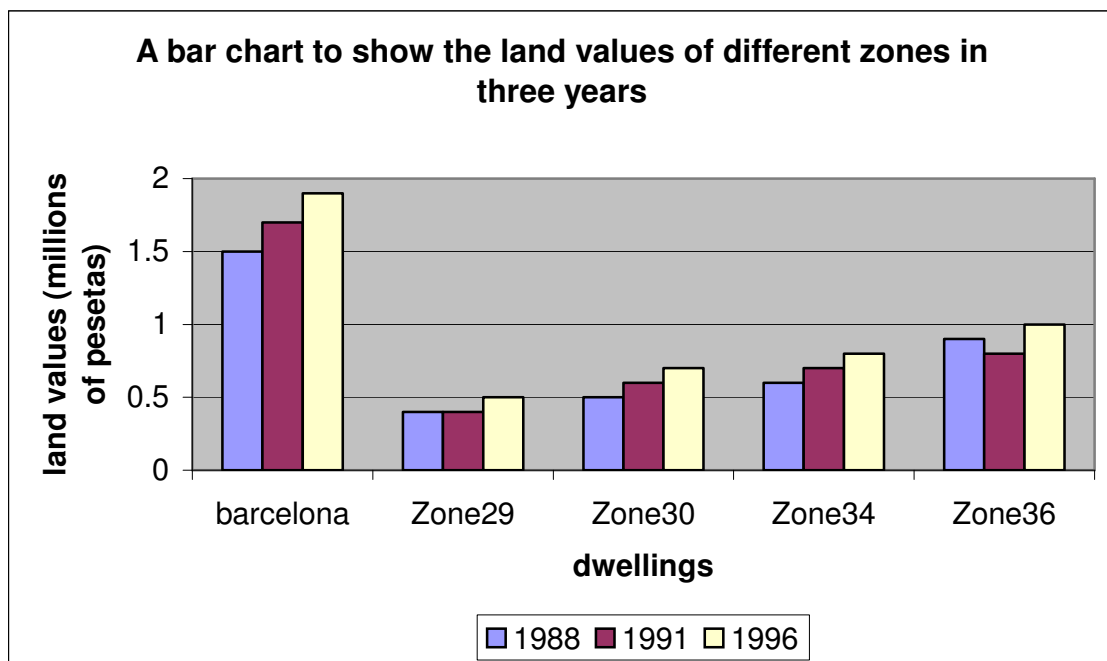
<b>My sampling areas</b>	<b>Sampling areas from the census from 1996</b>
Zone1	Zone36
Zone2	Zone34
Zone3	Zone30
Zone4	Zone29

## Land value

*A table to show the average land value per dwelling (millions of pesetas) in three separate years*

Year	1988	1991	1996
barcelona	1.5	1.7	1.9
Zone29	0.4	0.4	0.5
Zone30	0.5	0.6	0.7
Zone34	0.6	0.7	0.8
Zone36	0.9	0.8	1.0

To present my data and to make it easier to visualise the results I drew a bar chart showing the average land value per dwelling in each individual zone, meaning that the results could be easily compared.



## Population origin

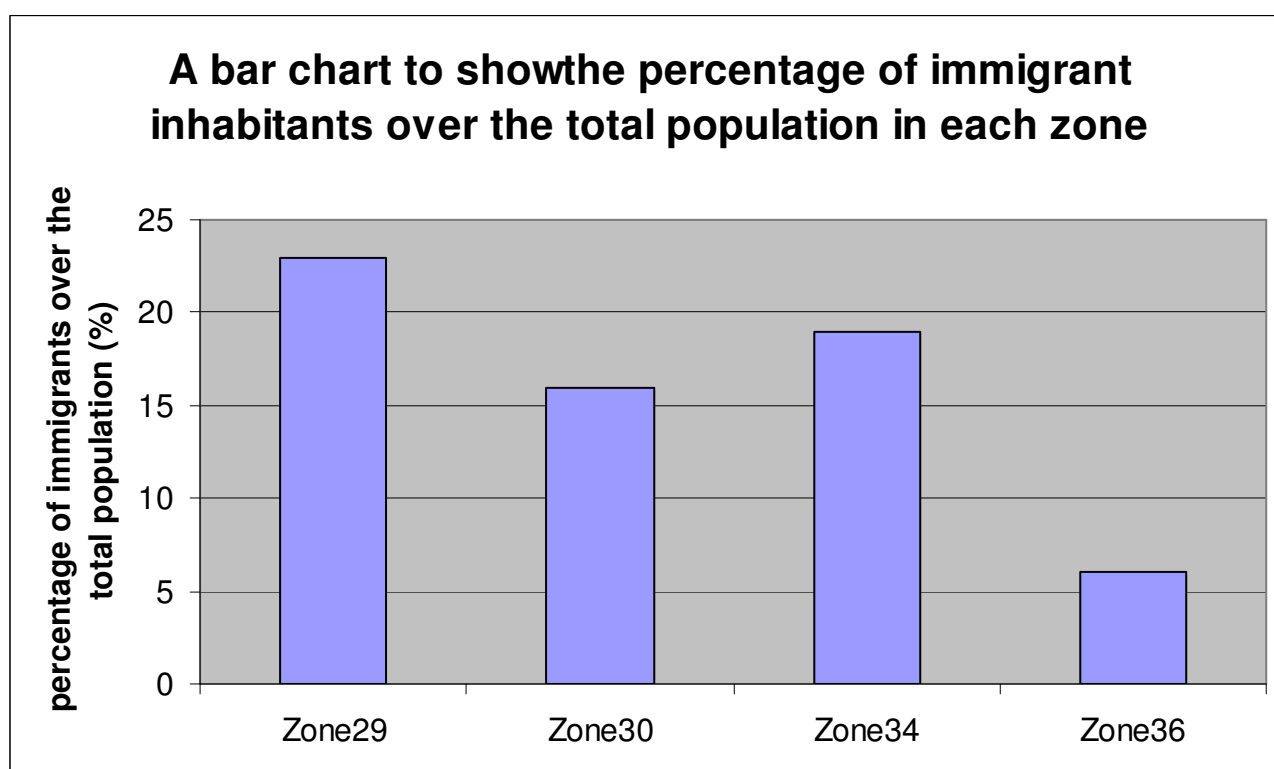
*A table to show the origin of the population taken from a census from 2000*

		Africa	America			Asia	
	Total population	Morocco	Equador	Peru	Pakistan	Filipines	India
<b>Zone29</b>	3712	299	78	5	406	76	1
<b>Zone30</b>	1754	64	13	7	95	70	27
<b>Zone34</b>	9554	323	217	60	360	867	23
<b>Zone36</b>	2598	22	4	17	23	88	4

*A table to show the percentage of immigrants over the total population in each zone*

	Total number of immigrants	Percentage of immigrants over total population (%)
<b>Zone29</b>	865	23
<b>Zone30</b>	276	16
<b>Zone34</b>	1850	19
<b>Zone36</b>	158	6

To present my data and to make it easier to visualise the results I drew a bar chart showing the percentage of immigrants over the total population in each individual zone, meaning that the results could be easily compared.

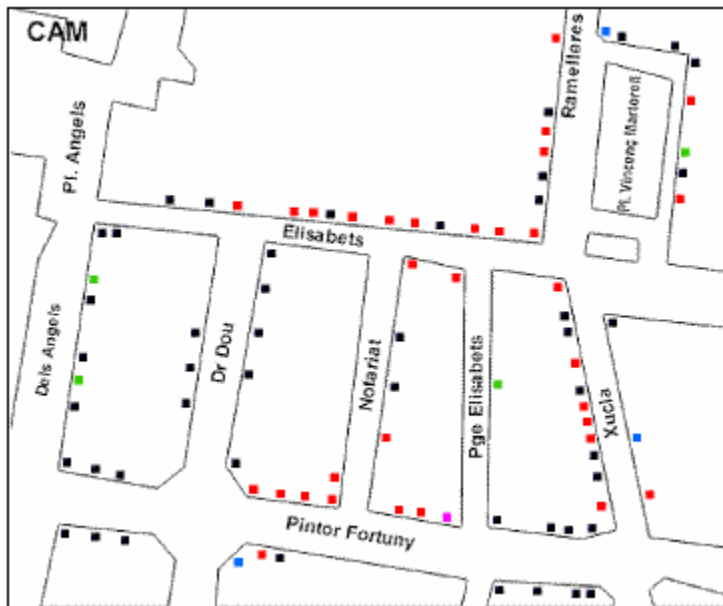


## Land use maps (census 2002)

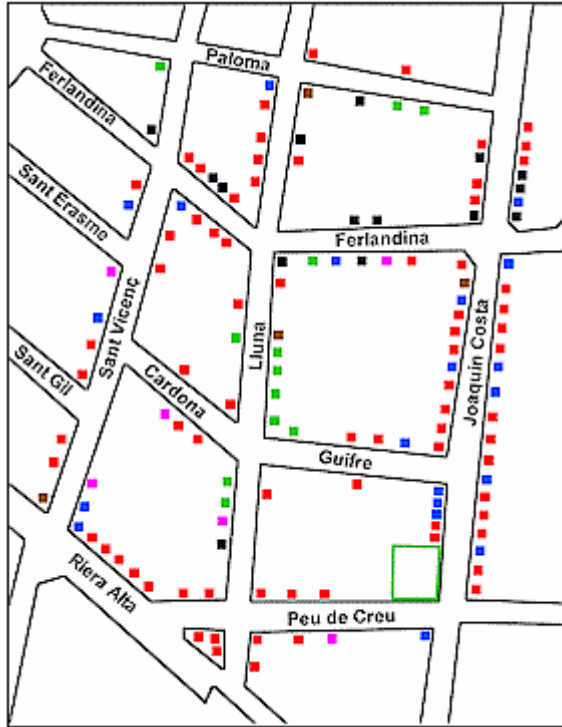
Diagrams to show the data mapping results of each zone taken from the census from 2002

key:	
■	gentrified
■	training centres
■	workshops
■	immigrant services
■	local services
■	professional services
■	services of poverty

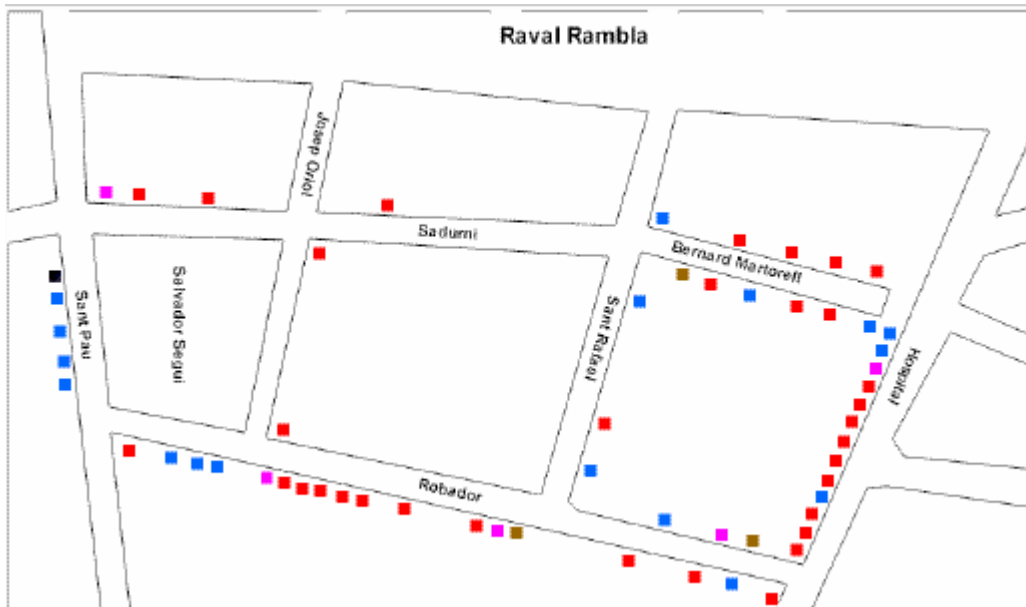
### Zone 1



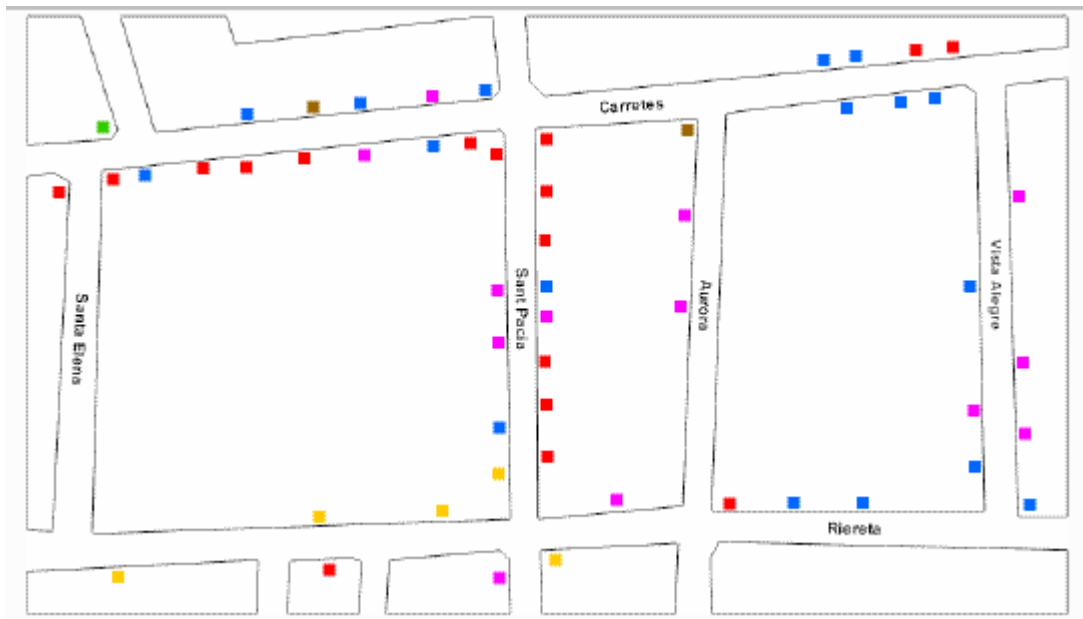
**Zone 2**



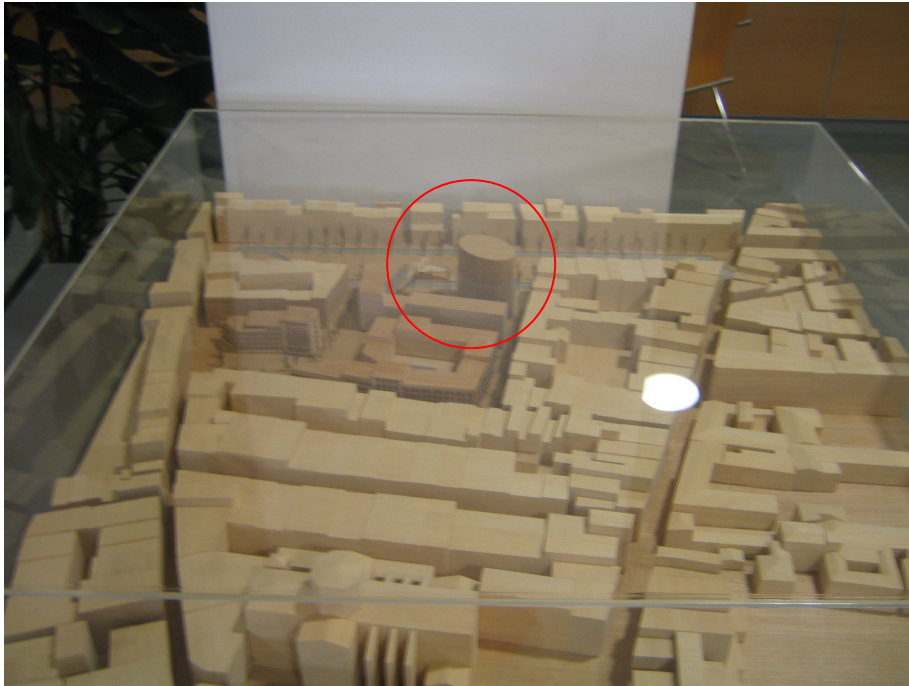
**Zone3**



# Zone4



## Photographs of El Raval



*A small-scale model of an area in El Raval (near zone 3), found in the information centre for the regeneration plans, showing the regeneration projects which they are planning to enforce and currently enforcing. The planned four-star hotel can be circled in red. Catalan films centre and TV film library are also planning to be transferred to this area. The new 'Rambla del Raval' can be seen in the background, behind the new hotel.*



*A photograph of the new Raval Rambla. Trees have been planted and seating areas have been constructed in an attempt to gentrify the area. Lighting has been introduced to the area, to try and make it more open and less dingy, in hope that this would discourage crime at night.*





*Dense, cheap overcrowded housing is still an issue in some areas.*



*Demolition is the only solution in some areas, which are 'too far gone'.*





*Whole blocks have been demolished to open up the area*



*A new property agent has just arrived on the edge of zone along the 'Rambla del Raval', indicating that demand for properties is increasing and investments are being made.*





*The newly pedestrians 'Calle Luna' in zone 2. The presence of poverty is still present, shown for example by the graffiti lining the walls. However traffic flow has been dramatically affected by the introduction of automatic bollard, which only allow residents to get past (as circled in red).*



*The new cultural centre found in zone 1. In front is a large square, although this has had many positive affects on the area, poverty and crime is still present in the area. Drug addicts are found amongst the playing children and the skateboarders, the question being weather these differences will be bridgeable.*



*Changes and construction are still apparent around the cultural centre. Opposite is a construction site, where they are planning to build a library and university of geography, history and philosophy.*



*Gentrified shops are to be found all over zone 1, which are clearly not directed at the poorer population but the wealthier population who are willing to buy extra luxury commodities (such as the air shop) The artistic aspect of these new shops is quite apparent.*





*Gentrified restaurants are to be found, which are clearly not directed at the lower class population, but at the wealthier population who have money to spend on such luxuries. The artistic aspect of these places is quite apparent and the traditional Barcelona design is to be seen amongst the architecture*



*A photograph of a government supported library in zone 1. Personal investment has needed to be encouraged by government support.*



*Government installations are also apparent in zone 2. In the Photograph we can see a government-supported doctor.*



*Government support is clearly advertised to the public and is quite apparent.*





*This photograph illustrates the poverty which was once present in the area. This is a hole in the wall of a orphanage run by nuns where unwanted babies were left that could not be looked after by there mothers, who were possibly prostitutes. The small collection slot at the top was for people who wished to give donations to the orphanage.*



*The presence of immigrants can be seen in the abundance of immigrant businesses. However the photo above of the restaurant is for sale, maybe indicating the diminishing demand for these services in that area.*





*The photograph shows a mosque in zone 3, illustrating the presence of immigrants in the area.*



*Evangelical churches are still found in the poorer districts, indicating the presence of immigrants. The photographs above were taken in zone 3 and 4.*



*The old factory building on the right illustrates the major industrial significance of the area that is still present in some areas. However the fact that it is now being used for storage illustrate the changes which are occurring. To further highlight this point we can see a training centre on the right presumably to train the old workers of the factory.*



*You can estimate the age of the inhabitants by looking at the washing on the balconies.*





*The photograph above shows the ward that Gaudi, a famous architect of Barcelona, was taken to, unrecognised when run over by a tram, and eventually died.*



*One of Barcelona's best restaurants, 'Casa Leopold', can be found in zone 3, where one of the most expensive dishes costs over 100€. The restaurant is clearly not aimed at the poorer population of Barcelona who you might expect to live in this area.*





*Poverty services (this one found in zone 3) indicate the average income of the population. This laundry service indicates that the population are quite poor.*



*Local shops indicate that the area is not completely directing itself towards being a tourist location.*



*Old workshops indicate the local and traditional aspect of the area.*





*The dark narrow streets is exactly what the government is trying to avoid by demolishing complete blocks, although many are still to be found. The narrow cramped condition of the housing is undesirable for living conditions and will not attract the wealthier population.*





*Poor hotels can also be found, apart from the newer four-star hotels, indicating the still present poverty of the area.*



*A photograph of the interior square of the CCCB (cultural centre). The tall old factory chimneys can be seen in the reflection of the windows. The presence of the chimneys is there to remind us that the area was once, and in some parts still is, used for industrial purposes.*



*We can see that although strong action has been taken to try and improve the area, there are still some fundamental problems. The banner at the top directly translates as 'no to nocturnal noise, yes to mutual respect'. This illustrates the noise problems of the area.*