Love cats…love biodiversity!!

Activity within the project «*Research game*»

in collaboration with University of Salento

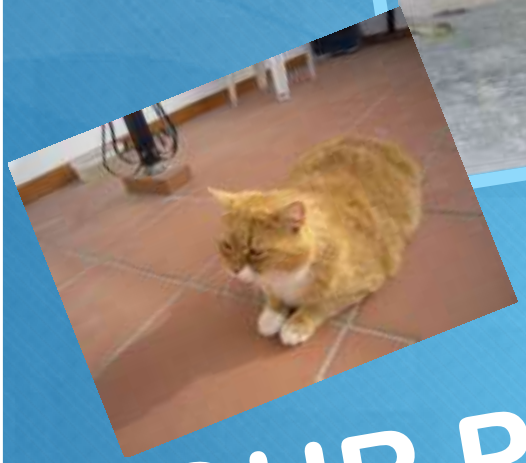
Research game is a project that the University of Salento suggested in collaboration with universities and schools from other countries. The purpose is teaching the method of research through simple activities, but led with a right procedure.

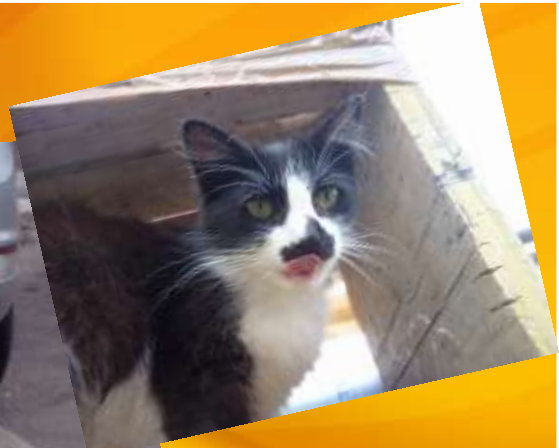
The beginning: the object of the project

The project subject is biodiversity.

Biodiversity represents the variation in wich ecosystems, species and individuals introduce themselves.

It is an important value and, according to many scientists, it increases the ability of ecosystems to stand up to stress (such as climate disturbance, thermic stress, invasions of parasites.





OUR PROJECT

Study intraspecific biodiversity in the cats of Cavallino

FIRST STEP

VERIFY THE NULL HYPOTHESIS

Cats with a different fur colour are distribuited in a uniform way in the various areas in Cavallino

OUR METHOD OF WORK

We divided cavallino in four big areas.

1 – the sports ground

2 – The street to San Cesario

3 – The street to Lizzanello

4 – The town centre

As a work tool, we used a camera.

Then, we parted into groups and decided which area each group responsable for.

We also chose the day and time to take pictures; in this way we avoided taking photos of the same cats

HERE ARE OUR RESULTS

We took photos of 150 cats.

As to the colour of their hair we identified the following types

WHITE HAIRED CATS

Black haired cats

RED HAIRED CATS

GREY HAIRED CATS

WHITE and GREY HAIRED CATS

Cats in three colours

WHITE and RED HAIRED CATS

WHITE and BLACK HAIRED CATS

This is our cats…

Area 1 - the town centre

Number of cats : 42

- N° 8 white and grey
- N° 10 grey
- N° 2 white
- N° 7 white and black
- N° 15 black

CATS IN THE TOWN CENTRE

CATS IN THE TOWN CENTRE…

Area 2 : Street to Lizzanello (Via di Lizzanello)

Numbers of cats: 28

- N°8 grey
- N°9 white and black
- N°1 trhee colours
- N°2 white
- N°2 red
- N°4 white and grey
- N°2 black

Street to Lizzanello : Cats of casina vernazza…

CATS OF CASINA VERNAZZA…

Area 3 : Street to San Cesario
(Via di San Cesario)

Numbers of cats: 24

N°5 black and white
N° 9 black
N°5 grey
N°3 white and red
N°2 red

CATS OF VIA DI SAN CESARIO…

CATS OF VIA DI SAN CESARIO…

Area 4 :The sport ground – Street to Caprarica

Number of gatti: 56

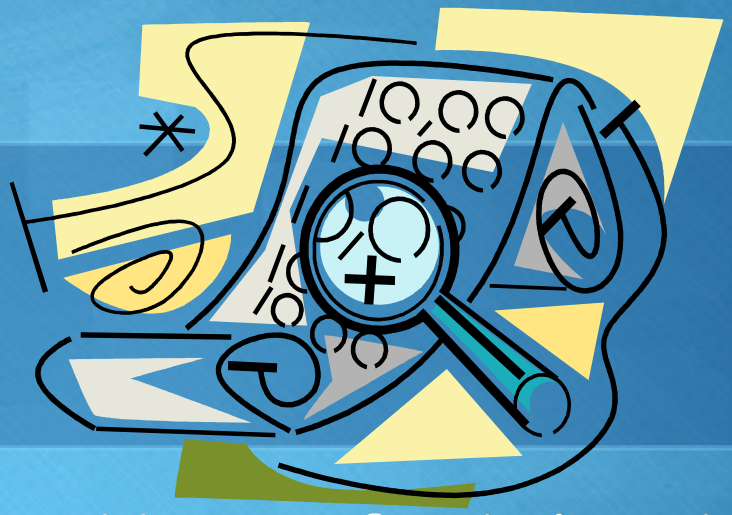
Tipi:
N° 14 black
N° 12 red
N° 7white and grey
N° 5 white and black
N° 6 grey
N° 9 white and red
N° 3 three colours

CATS AROUND THE SPORT GROUND…

CATS AROUND THE SPORT GROUND…

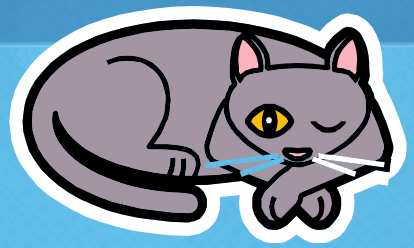
CATS AROUND THE SPORT GROUND…

OUR RESULTS



- The distribution of different types of cats is not uniform or regular.
- In the area of town centre there are not red cats
- White cats are not in the area around the sport field and around street to san Cesario

Our conclusion



we can reject the null hypothesis

in the various areas in Cavallino there is a different distribution of cats

We can identify types of cats more distributed then others: for example

- there are black cats in every area we have studied;
- the least common cat is the white cat

- There are some cats that are present in each area

Thanks tou all those people who helped and initiated us into this experience with enthusiasm and patience: the lectures of the University of Salento, our teachers, our parents the inhabitantes of Cavallino and, exspecially,…

THANKS YOU TO OUR CATS!!