

'Animal Statistics' - Mathematics Curriculum  
Year 10 Level 5

The following represent ideas which can be used for statistical analysis:



Heights of Cats

Measure the height of 20 cats from shoulder to paw. The best way is to have each person only measuring ONE cat and pooling the results, causing minimum stress to the animal.

Graph your results.

Breeds of Dogs

Record the breed of each dog in the kennels. Where crosses are present, give a point score to each of the breeds involved. Graph your results.

Colour of cats

Use the data sheet provided to find out which colour of cat is adopted most quickly. Report your findings.

Number of pets

Survey 20 people at random and find out how many 'furry animals' they have in their families.

Graph your results.



## Database Analysis

Using the data given [collected for November 2003 at Auckland S.P.C.A.] work out the following information –

- **The most popular colour of cat adopted for this time**
- **The main breeds of dogs present for this time**
- **The age of cat most preferred for adoption**
- **The most popular colour of dog adopted**

This data could be used for Y9-Y13 Mathematics