Team 41

Jackson Middle School

Pit Bull Adoption

Contents

Acknowledgements

Irene Lee: She has mentored us in Star Logo. She is helping us to create our math based computer model. She has taught us a lot. We have been able to learn almost all that we know from her.

East Side Animal Shelter: Here we were able to take our survey of the people, and calculate the percentage of dogs in the shelter that were pit bulls. And with this information we are able to create our model.

Pitbullsonthewed.com: here we got a lot of information on the breed. We got a lot of stories, and stuff about the breed, and why it has such a bad reputation.

P.A.C.A. /A.A.R.: Becca worked here, and was able to talk to the people who run it, and get a lot of information about their pit bulls. We also found out that there are ways to keep pit bulls from being potential "terrors."

Mrs. Glennon: She's our sponsor, and helped us get all of our information. We would be lost without her.

Executive Summary:

Many people often think of Pit bulls as violent dogs. They are often mistaken as dogs that are trained to kill. Although these dogs may seem violent they can be very sweet, loving, caring, and loyal. Their behavior and attitude really depends on how their owners treat them and react to or with them. We, the Jackson Middle School Supercomputing Challenge Team, have been wondering and researching about Pit bulls, their behavior, their history, and the ways they are treated and how they live. We have also been wondering if there are laws that protect or that ban this breed.

How many people have actually died from a Pitt bull attack? There were an estimated number of deaths from a Pitt bull attack. This number was three. Almost every year this was the estimated number of deaths from Pitt bulls. Other things such as cigarettes, car accidents, cancer, and cardiopulmonary diseases kill so many more people than Pitt bulls. People often do not take the time to actually realize that this breed develops a personality based on how their owners and trainers treat them and how much attention they receive.

The problem is that people think of pit bulls as mean, aggressive, vicious animals that are meant or trained to bite or even kill someone at any given moment. For these reasons and many more, these particular breeds of dogs are often abused, mistreated, or often suffer from malnutrition or of being in a bad home or environment. They often put in animal fights against other pit bulls or dogs

Firs to solve the problem, a few people from our group went to a local animal adoption shelter to survey the people that were there. Our group members surveyed a total of about thirty people possibly more. Most said they would not adopt a pit bull for a number of reasons mostly because of a stereo type. Now we are currently working with our mentor Irene Lee on our programming. What we are doing is creating a world of pit bulls with attitudes on the scale of one to ten, one for a human being hate, and ten being they would adopt one. One for a pit bull is extremely mean, and ten meaning sweet.

Star logo java
2.1
English
`turtle`
; the turtles are the people and the pitbulls

; the main loop for all turtles (humans and pitbulls)
; this go procedure gets called when the go button is pushed
to go
  walk
  meet
end

; move around in the world
; turn some random number of degrees between 0 and 44 to the right
; turn some random number of degrees between 0 and 44 to the left
; go forward one step
to walk
    rt random 45
    lt random 45
    fd 1
end

; People meet other people, Dogs meet other dogs in the world
to meet

    ; This is Part 4: Pit Bull meets Pit Bull
    if breed = pitbulls ; If I'm a pitbull
    [
      ; look for another pitbull on this patch with me
      grab one-of-pitbulls-here   ; if no pitbull is here, skip this
part
      [

        ; This is rule 1
        ; if MY aggression (pitbull 1) is greater than 7
       if aggression-of-pitbull > 7
        [
            ; and my PARTNER's aggression (pitbull 2) is less than 3
            if (aggression-of-pitbull-of partner) < 3
            [
              ; the result is that I (pitbull 1) kill the partner
(pitbull 2)
                kill partner
            ]
        ] ; end of rule 1

```
        ; This is rule 2
        if (aggression-of-pitbull > 4) and (aggression-of-pitbull < 8)
        [
            if ((aggression-of-pitbull-of partner) = 3) or
               ((aggression-of-pitbull-of partner) = 4)
            [
                ifelse (random 100) < 50  ; random 100 returns a number
between 0 - 99
                [
                    setaggression-of-pitbull (aggression-of-pitbull - 1)
                ]
                [
                    setaggression-of-pitbull-of partner (aggression-of-
pitbull-of partner) + 2
                ]
            ]
        ] ; end of rule 2
      ] ; end of grab
  ] ; end of what to do if I am a human

  ; This is Part 3: Human meets human.
  if breed = humans
  [
    ; is there another human here with me?
    grab one-of-humans-here
    [

    ; put the rules in here
    ; see how the rules were written in the pitbull rules above.

    ] ; end of grab
  ] ; end of what to do if I am a pitbull

end


`observer`
; The observer initializes the world, creates the agents, and sets up
the environment


globals [ ]
breeds [ humans pitbulls ]
turtles-own [ love-of-pitbulls  aggression-of-pitbull ]


to setup
  ca  ; clear all turtles and patches
  make-pitbulls
  make-humans
end


to make-pitbulls    ; 37 dogs in the shelter
    create-pitbulls-and-do 5 [
        setshape pitbull-shape
```

```
        setxy random screen-width random screen-height
        set aggression-of-pitbull 0
        scale-color red aggression-of-pitbull 10 0
  ]
  create-pitbulls-and-do 3 [
        setshape pitbull-shape
        setxy random screen-width random screen-height
        set aggression-of-pitbull 1
        scale-color red aggression-of-pitbull 10 0
  ]
  create-pitbulls-and-do 2 [
        setshape pitbull-shape
        setxy random screen-width random screen-height
        set aggression-of-pitbull 2
        scale-color red aggression-of-pitbull 10 0
]
  create-pitbulls-and-do 4 [
        setshape pitbull-shape
        setxy random screen-width random screen-height
        set aggression-of-pitbull 3
        scale-color red aggression-of-pitbull 10 0 ;
  ]
  create-pitbulls-and-do 6 [
        setshape pitbull-shape
        setxy random screen-width random screen-height
        set aggression-of-pitbull 4
        scale-color red aggression-of-pitbull 10 0 ;
  ]
  create-pitbulls-and-do 6 [
        setshape pitbull-shape
        setxy random screen-width random screen-height
        set aggression-of-pitbull 5
        scale-color red aggression-of-pitbull 10 0 ;
  ]
  create-pitbulls-and-do 1 [
        setshape pitbull-shape
        setxy random screen-width random screen-height
        set aggression-of-pitbull 6
        scale-color red aggression-of-pitbull 10 0 ;
  ]
  create-pitbulls-and-do 0 [
        setshape pitbull-shape
        setxy random screen-width random screen-height
        set aggression-of-pitbull 7
        scale-color red aggression-of-pitbull 10 0 ;
  ]
  create-pitbulls-and-do 1 [
        setshape pitbull-shape
        setxy random screen-width random screen-height
        set aggression-of-pitbull 8
        scale-color red aggression-of-pitbull 10 0 ;
  ]
  create-pitbulls-and-do 3 [
        setshape pitbull-shape
        setxy random screen-width random screen-height
        set aggression-of-pitbull 9
        scale-color red aggression-of-pitbull 10 0 ;
```

```
    ]
    create-pitbulls-and-do 6 [
         setshape pitbull-shape
         setxy random screen-width random screen-height
         set aggression-of-pitbull 10
           scale-color red aggression-of-pitbull 10 0 ;
  ]

end


to make-humans      ; 75 people interviewed
     create-humans-and-do 25 [
          setshape person-shape
          setxy random screen-width random screen-height
          set love-of-pitbulls 0
     scale-color green love-of-pitbulls 10 0 ; darker means likes
pitbulls
     ]
     create-humans-and-do 10 [
          setshape person-shape
          setxy random screen-width random screen-height
          set love-of-pitbulls 1
     scale-color green love-of-pitbulls 10 0 ; darker means likes
pitbulls
     ]
     create-humans-and-do 8 [
          setshape person-shape
          setxy random screen-width random screen-height
          set love-of-pitbulls 2
     scale-color green love-of-pitbulls 10 0 ; darker means likes
pitbulls
     ]
     create-humans-and-do 7 [
          setshape person-shape
          setxy random screen-width random screen-height
          set love-of-pitbulls 3
     scale-color green love-of-pitbulls 10 0 ; darker means likes
pitbulls
     ]
     create-humans-and-do 6 [
          setshape person-shape
          setxy random screen-width random screen-height
          set love-of-pitbulls 4
     scale-color green love-of-pitbulls 10 0 ; darker means likes
pitbulls
     ]
     create-humans-and-do 9 [
          setshape person-shape
          setxy random screen-width random screen-height
          set love-of-pitbulls 5
     scale-color green love-of-pitbulls 10 0 ; darker means likes
pitbulls
     ]
     create-humans-and-do 0 [
          setshape person-shape
          setxy random screen-width random screen-height
```

```
        set love-of-pitbulls 6
    scale-color green love-of-pitbulls 10 0 ; darker means likes
pitbulls
    ]
    create-humans-and-do 2 [
        setshape person-shape
        setxy random screen-width random screen-height
        set love-of-pitbulls 7
    scale-color green love-of-pitbulls 10 0 ; darker means likes
pitbulls
    ]
    create-humans-and-do 2 [
        setshape person-shape
        setxy random screen-width random screen-height
        set love-of-pitbulls 8
    scale-color green love-of-pitbulls 10 0 ; darker means likes
pitbulls
    ]
    create-humans-and-do 2 [
        setshape person-shape
        setxy random screen-width random screen-height
        set love-of-pitbulls 9
    scale-color green love-of-pitbulls 10 0 ; darker means likes
pitbulls
    ]
    create-humans-and-do 4 [
        setshape person-shape
        setxy random screen-width random screen-height
        set love-of-pitbulls 10
    scale-color green love-of-pitbulls 10 0 ; darker means likes
pitbulls
    ]

end


to observer-go
  ask-turtles [ go ]
end


`information`



`interface`
SLCanvas
top-left 5 287

SLTextWidget
top-left 427 289
width-height 278 40
textwidth 274
linenums 2
words "pitbulls:  darker red => more aggressive pitbull\nhumans: darker
green => more love of pitbulls "
drawBorder false
```

```
textwidget-number 1

SLMonitor
top-left 200 40
width-height 93 36
name "monitor1"
list-to-run "count-humans"
digits 0
delay 0.5
monitor-number 1
show-name? false
whichip 10
onewhichip 11

SLMonitor
top-left 197 159
width-height 89 36
name "monitor2"
list-to-run "count-pitbulls"
digits 0
delay 0.5
monitor-number 2
show-name? false
whichip 12
onewhichip 13

SLButton
turtle-or-observer? observer
top-left 84 77
width-height 80 30
name "observer-go"
line-to-run "observer-go"
forever? false
button-number 3
show-name? false
whichip 9

SLButton
turtle-or-observer? observer
top-left 37 91
width-height 42 30
name "button2"
line-to-run "setup"
forever? false
button-number 1
show-name? false
whichip 7

SLButton
turtle-or-observer? turtle
top-left 132 95
width-height 42 30
name "button3"
line-to-run "go"
forever? true
button-number 2
show-name? false
```

whichip 8

`turtle shapes`
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What the Code Does

The code is what our Star Logo programming is. There are about 13 pages of this, and it'll show you exactly what we did. There is the exact description of what out "turtles" do, and the world. It has our observers commands as well, so that everything runs smoothly.

Conclusions

From all the programming and researching that we've done, we are positive that there is a way for us to help the pitt bull adoption rate to increase and help decrease the bad press about pitt bulls.

This is what we've learned

We have learned how to program star logo. We have learned better way on researching, and making sure our research is correct. We have learned better ways to prove our answers. And learned a lot more about the pit bull breed.

References

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P.A.C.A.I.A.A.R

Pittbullsontheweb.com

Dog Owners Guide

R.A.A.P.