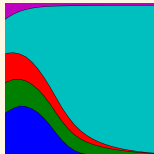


Using Python to train my dog.

@drvinceknight

vknight.org

knightva@cardiff.ac.uk



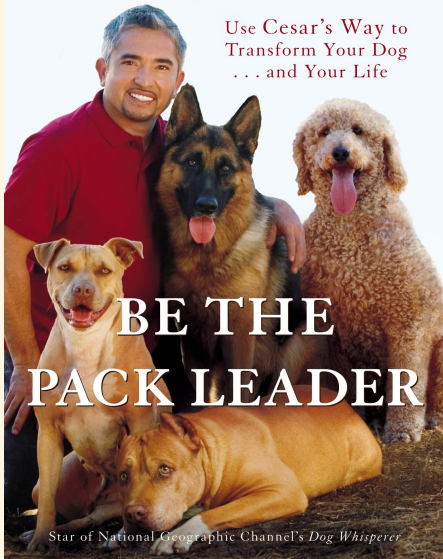


#1 NEW YORK TIMES BESTSELLING AUTHOR OF *CESAR'S WAY*

CESAR MILLAN

with MELISSA JO PELTIER

Use Cesar's Way to
Transform Your Dog
... and Your Life



Star of National Geographic Channel's *Dog Whisperer*

Expression Studies on Wolves - Rudolph Schenkel, 1947

THE WOLF

A photograph of two wolves walking towards the camera on a dirt path in a forest at night. The scene is dimly lit, with a warm, golden light source from the left creating a strong glow and long shadows. The wolves have thick, greyish-brown fur. The background is dark and filled with the silhouettes of trees and foliage.

L. David Mech

Foreword by Ian McTaggart Cowan

Photographs by L. David Mech,

Patricia Caulfield and others

Survey of the use and outcome of confrontational
and non-confrontational training methods in
client-owned dogs showing undesired behaviors -
Herron et al. 2009

Alpha Status, Dominance, and
Division of Labor in Wolf Pack -
David Mech 2013



Behaviouralism → Social constructivism

<https://vknight.org/tch-phi/>

1. Health

2. Companionship

3. Diet

4. Environment

5. Behaviour





CHAMPION DISC DOG!

A black and white dog is captured in mid-air, jumping towards a red disc. The dog's mouth is open, and its eyes are focused on the disc. The background is plain white.

THE ULTIMATE GUIDE TO GETTING
YOUR DOG AIRBORNE IN 18 DAYS

MELISSA HEETER

Disc Dog World Champion and Professional Dog Trainer

FREE
Instructional
Training DVD!
(a \$32.95 Value)

50 yd
45.72 m

5 pts

40 yd
36.58 m

3 pts

30 yd
27.43 m

25 yd
22.86 m

2 pts

20 yd
18.29 m

1 pt

10 yd
9.14 m

0 pts

START

10 yd 9.14 m

How To Play K9 Frisbee Toss & Fetch

Make as many
catches as
possible in 1
minute.

Longer catches
score more
points.

It's easy!



```
toss_and_fetch/
```

Freestyle

behaviours/

sequences/

Pup coach.

models.py

```
class Behaviour(models.Model):
    """A model for a behaviour"""
    created = models.DateTimeField(auto_now_add=True)
    title = models.CharField(
        max_length=100,
        blank=True,
        default=''
    )
    acquired = models.DateTimeField(auto_now_add=True)
    description = models.TextField(default='')

class Meta:
    ordering = ('acquired',)

def __str__(self):
    return self.title
```

urls.py

```
urlpatterns = [  
    path('behaviours/', views.behaviour_list),  
    path('behaviours/<int:pk>/', views.behaviour_detail),  
    path(  
        'behaviours/sequence/<int:length>/',  
        views.sequence_detail  
    ),  
    path(  
        'behaviours/sequence/<int:length>/<int:seed>/',  
        views.sequence_detail  
    ),  
]  
  
urlpatterns = format_suffix_patterns(urlpatterns)
```

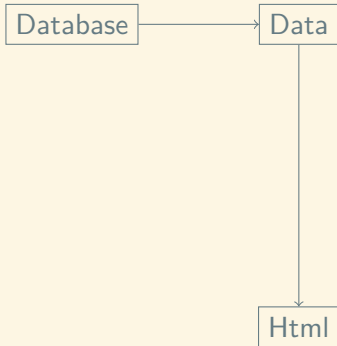
views.py

```
@api_view(['GET', 'POST'])
def sequence_detail(request, length, seed=None, format=None):
    """
    Retrieve, update or delete a behaviour
    """
    if request.method == 'GET':
        if seed is not None:
            random.seed(seed)
        behaviours = random.sample(
            list(Behaviour.objects.all()),
            length
        )

        serializer = BehaviourSerializer(behaviours, many=True)
    return Response(serializer.data)
```

`routines/`

Why DRF?



Reinforcement learning

Dog's health



www.frisbeeschool.co.uk





- ▶ @drvinceknight
- ▶ IG: @vincent.prytherch
- ▶ Code: github.com/drvinceknight/pupcoach
- ▶ Based on “How to Build a Disc Dog Freestyle Routine Step” - Pawsitive vybe

