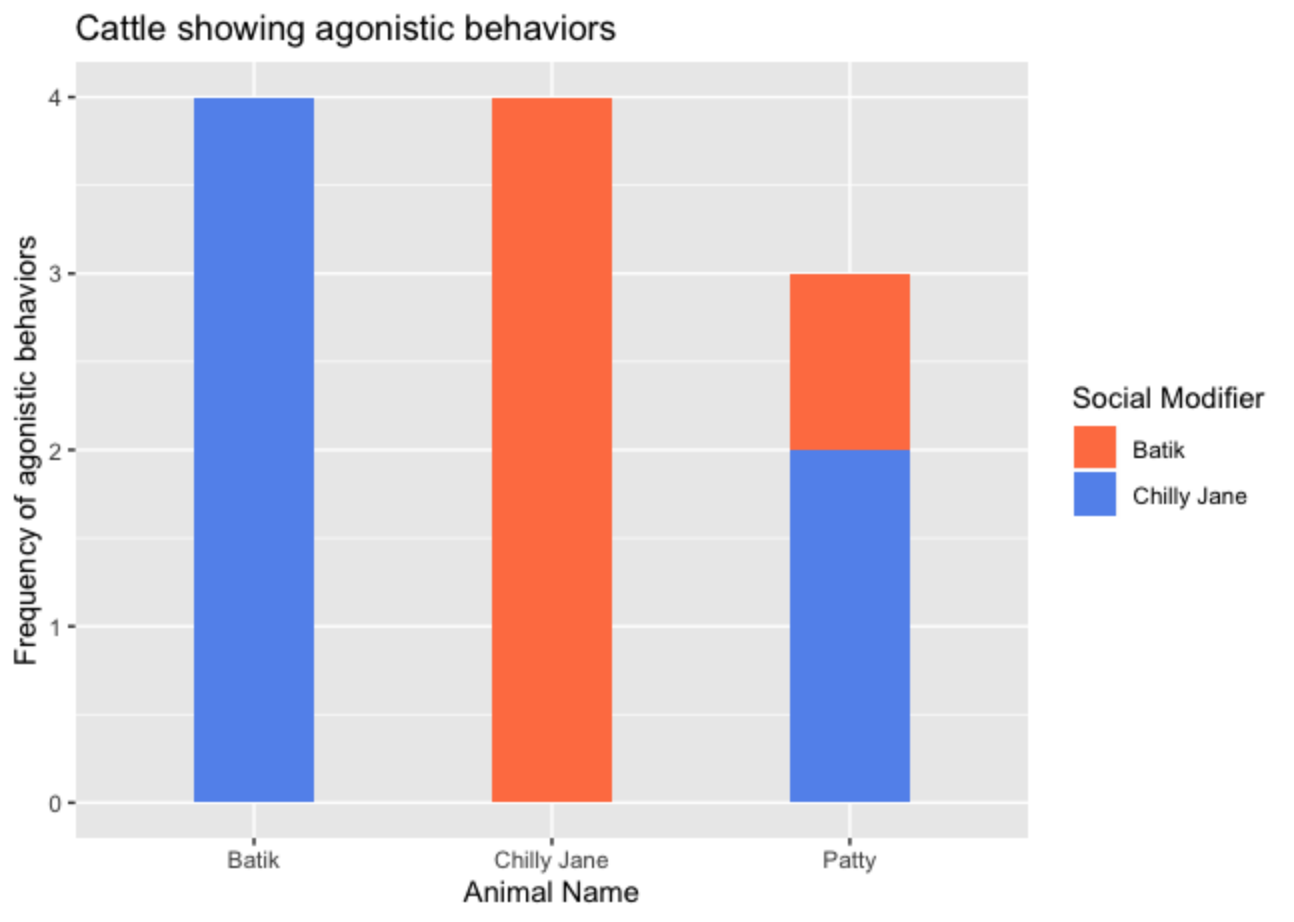
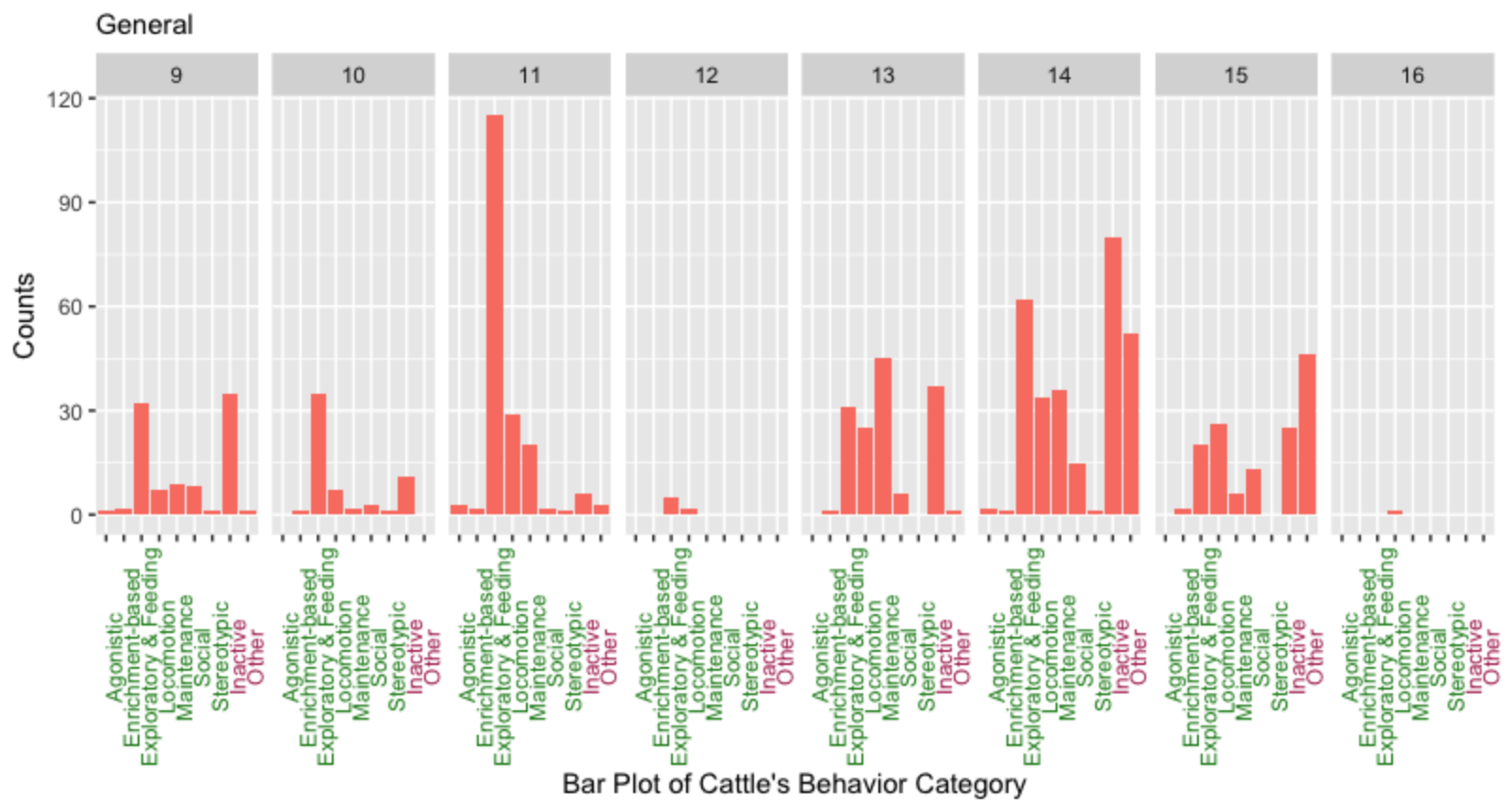
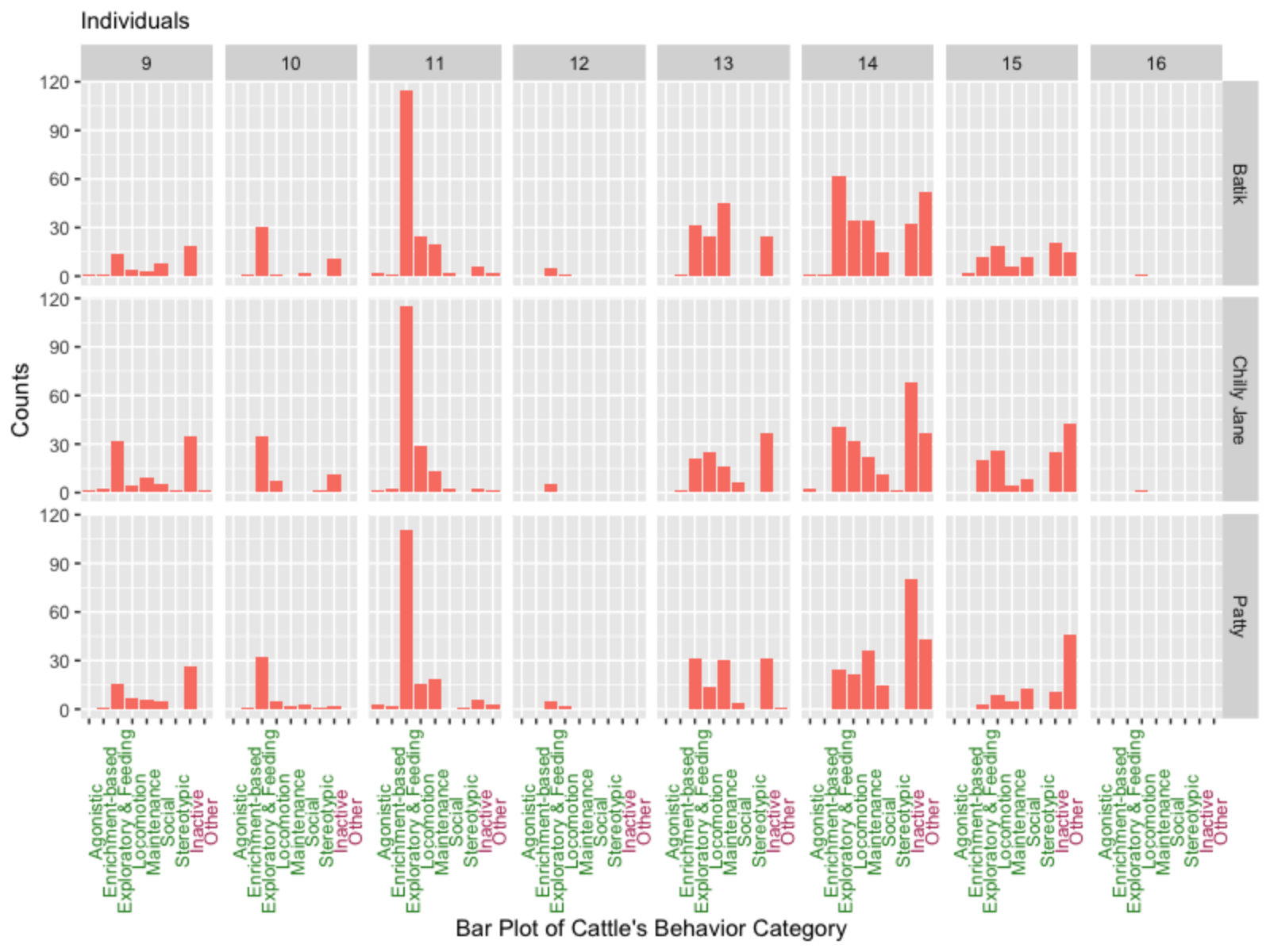
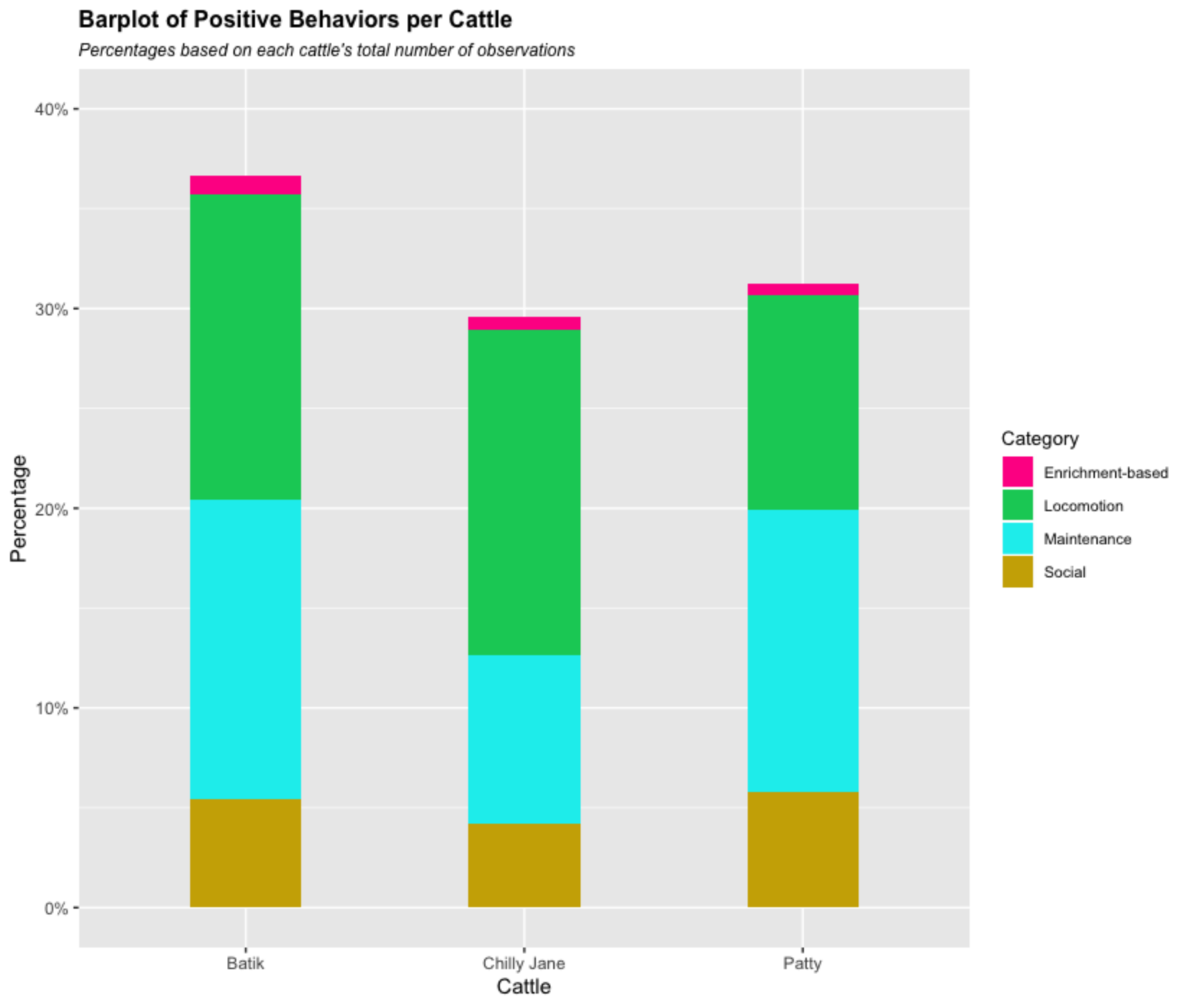
Cattle showing agonistic behavior	Social modifier	Activity	Date	Time
Patty	Batik	Threat Display	May 26, 2019	11:01
Patty	Chilly Jane	Threat Display	May 26, 2019	11:10
Batik	Chilly Jane	Aggression	July 18, 2019	14:08
Chilly Jane	Batik	Aggression	July 18, 2019	14:08
Chilly Jane	Batik	Aggression	July 18, 2019	14:09
Patty	Chilly Jane	Threat Display	July 21, 2019	11:30
Batik	Chilly Jane	Aggression	July 21, 2019	11:39
Chilly Jane	Batik	Aggression	July 21, 2019	11:39
Chilly Jane	Batik	Aggression	August 02, 2019	09:49
Batik	Chilly Jane	Aggression	August 20, 2019	09:17
Batik	Chilly Jane	Threat Display	September 19, 2019	11:48

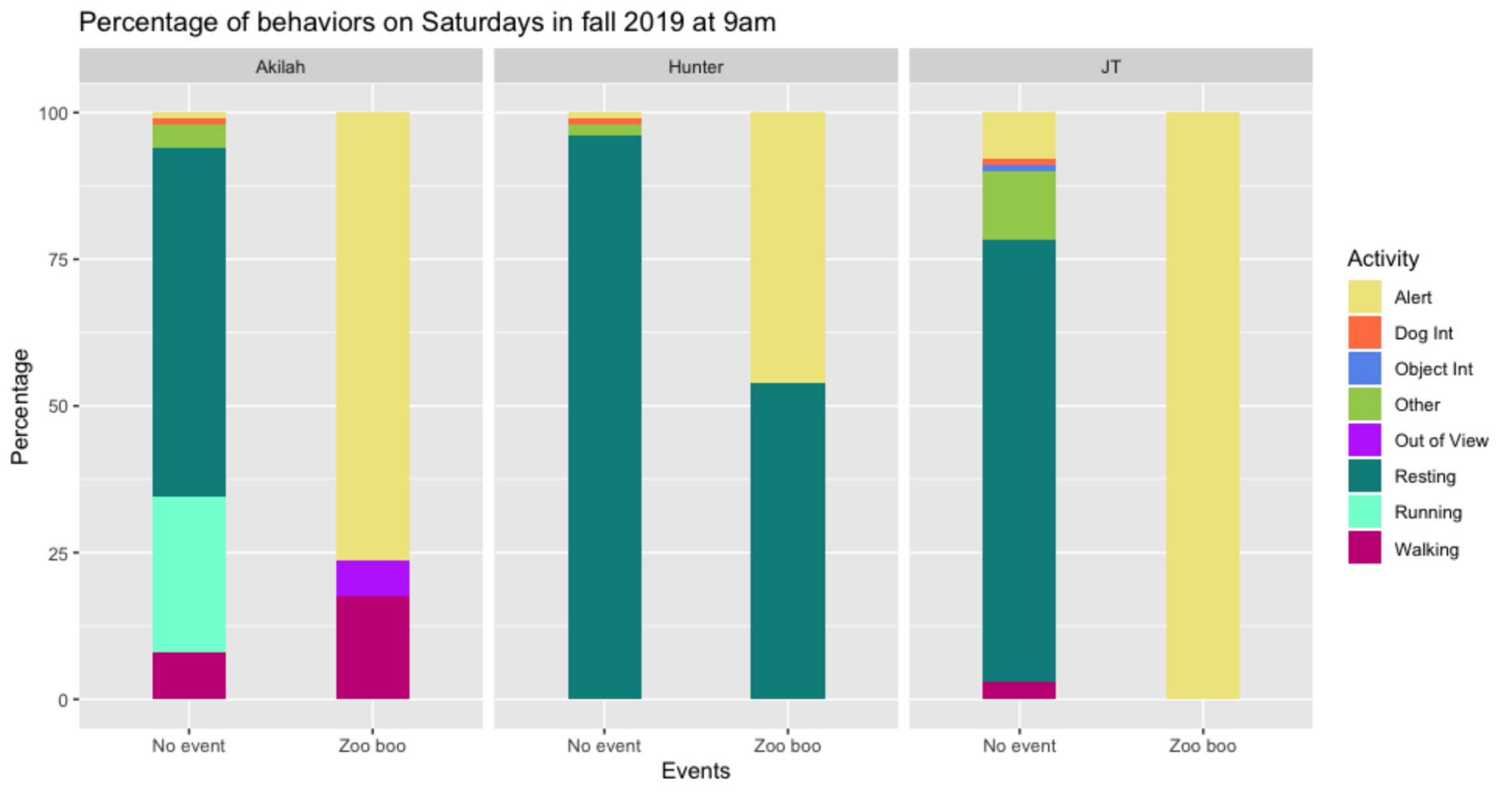

Cattle showing agonistic behaviors
Frequency of agonistic behaviors
4
3
2
1
0
Batik
Chilly Jane
Patty
Animal Name
Social Modifier
Batik
Chilly Jane

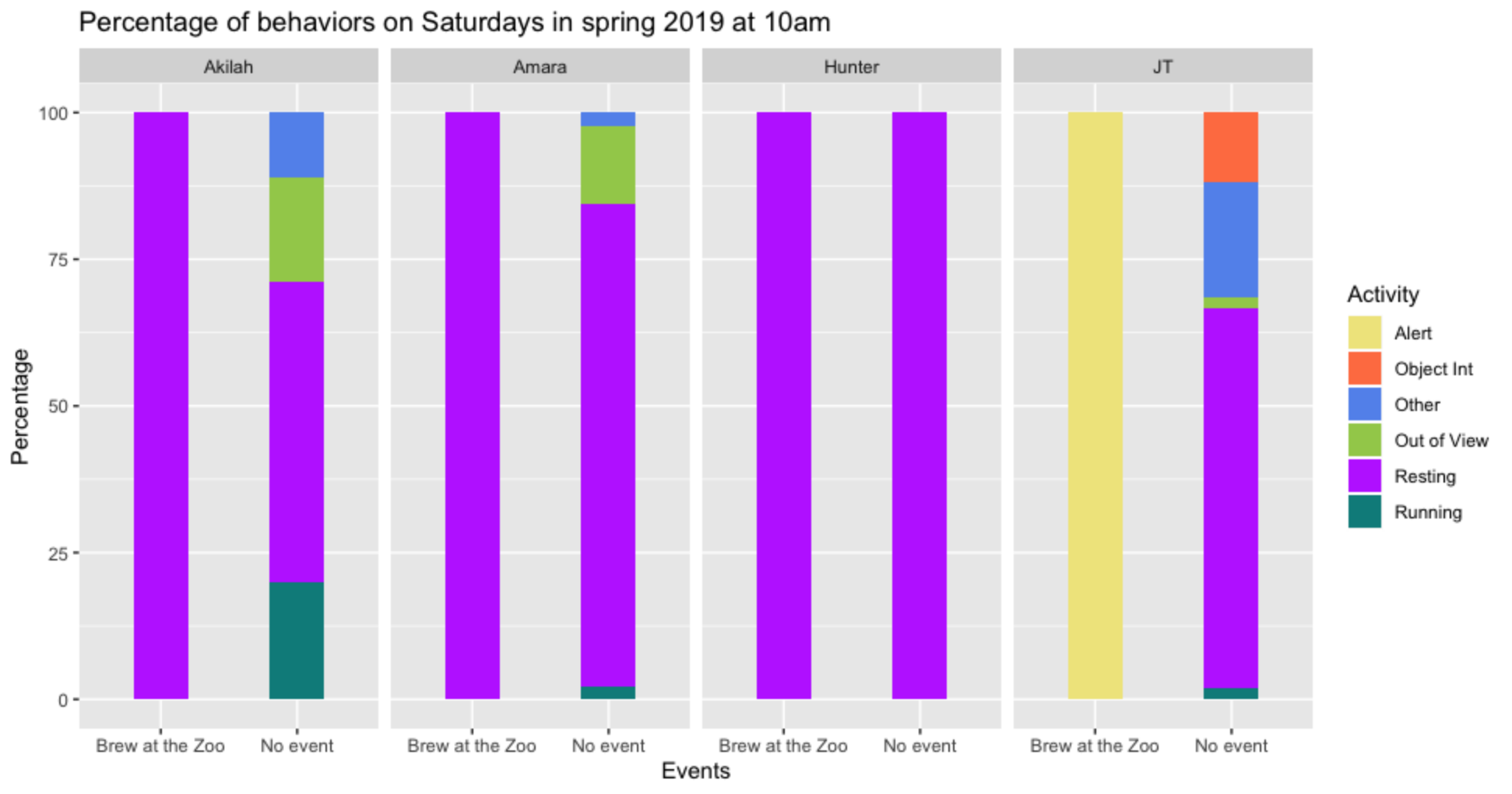

General
9
10
11
12
13
14
15
16
120
90
60
30
0
Counts
Agonistic
Enrichment-based
Exploratory & Feeding
Locomotion
Maintenance
Social
Stereotypic
Inactive
Other
Bar Plot of Cattle's Behavior Category

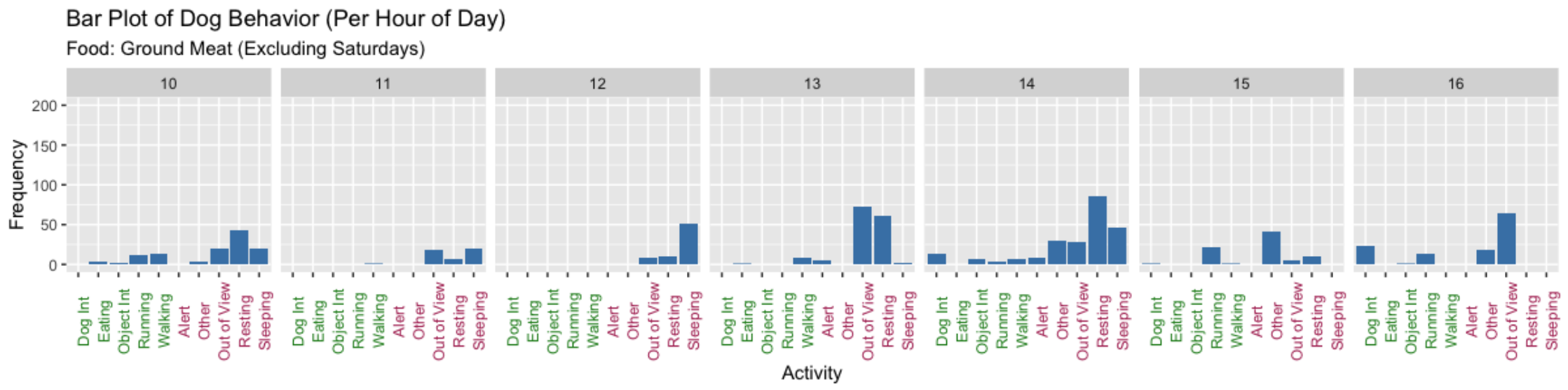

Individuals
9
10
11
12
13
14
15
16
Batik
Chilly Jane
Patty
Counts
0
30
60
90
120
Agonistic
Enrichment-based
Exploratory & Feeding
Locomotion
Maintenance
Social
Stereotypic
Inactive
Other
Bar Plot of Cattle's Behavior Category

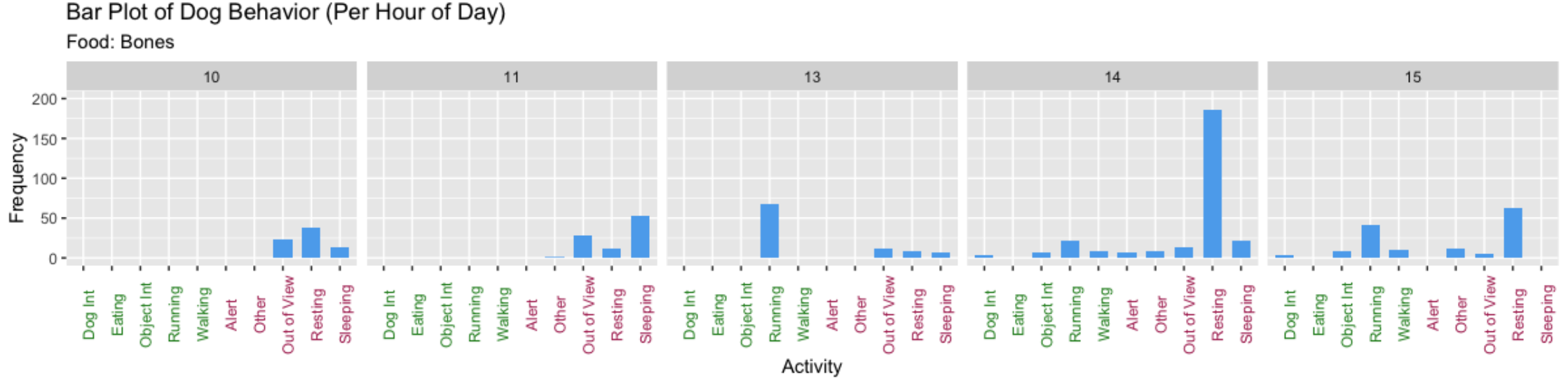

Barplot of Positive Behaviors per Cattle
Percentages based on each cattle's total number of observations
40%
30%
20%
10%
0%
Percentage
Batik
Chilly Jane
Patty
Cattle
Category
Enrichment-based
Locomotion
Maintenance
Social

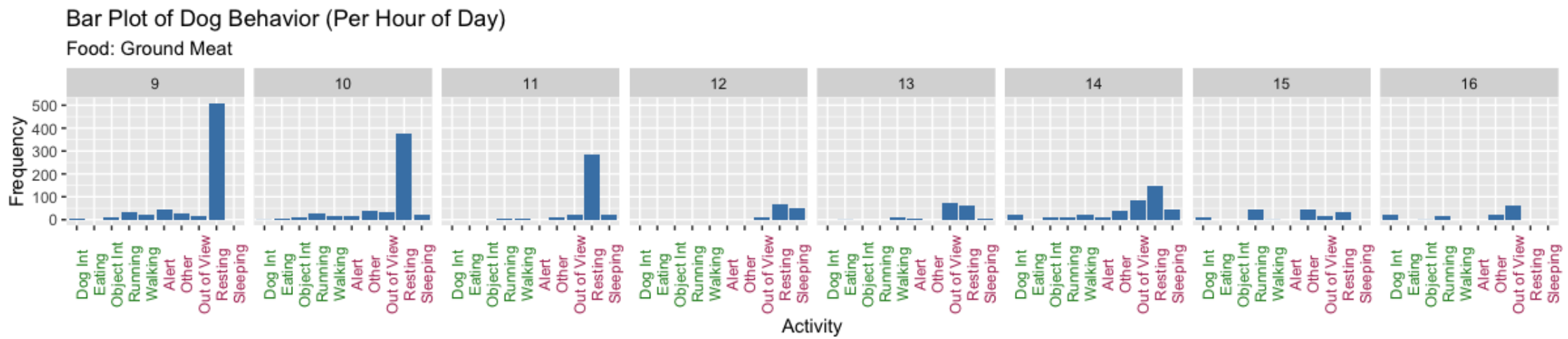
Name	Activity	Date	Time
Patty	Pacing	May 26, 2019	11:06
Chilly Jane	Pacing	June 18, 2019	09:24
Chilly Jane	Cribbing	July 31, 2019	14:44
Chilly Jane	Pacing	August 12, 2019	10:24
Patty	Pacing	August 12, 2019	10:24

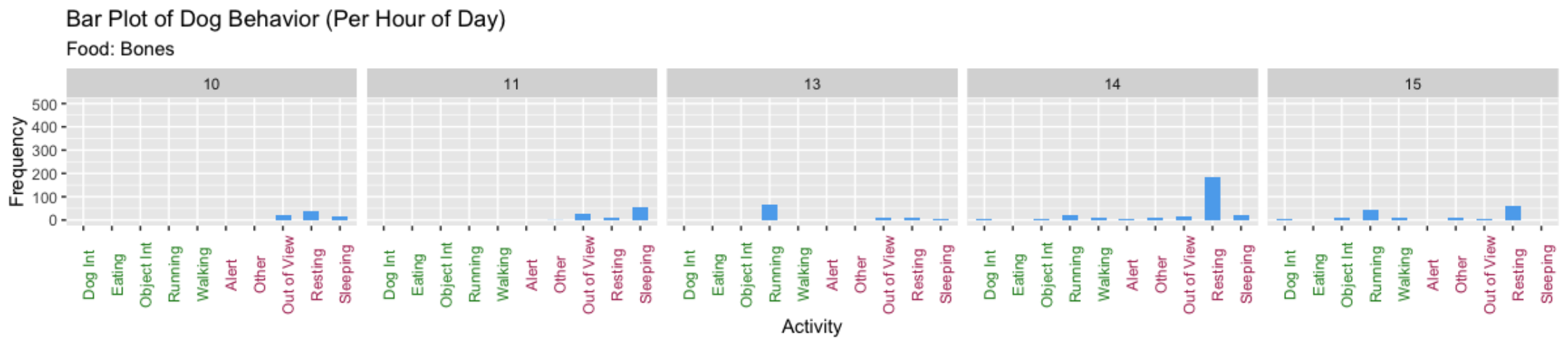

Percentage of behaviors on Saturdays in fall 2019 at 9am
Akilah
Hunter
JT
100
75
50
25
0
Percentage
No event
Zoo boo
Events
Activity
Alert
Dog Int
Object Int
Other
Out of View
Resting
Running
Walking


Percentage of behaviors on Saturdays in spring 2019 at 10am
Akilah
Amara
Hunter
JT
100
75
50
25
0
Percentage
Brew at the Zoo
No event
Events
Activity
Alert
Object Int
Other
Out of View
Resting
Running


Bar Plot of Dog Behavior (Per Hour of Day)
Food: Ground Meat (Excluding Saturdays)
10
11
12
13
14
15
16
Frequency
0
50
100
150
200
Dog Int
Eating
Object Int
Running
Walking
Alert
Other
Out of View
Resting
Sleeping
Activity


Bar Plot of Dog Behavior (Per Hour of Day)
Food: Bones
10
11
13
14
15
Frequency
0
50
100
150
200
Dog Int
Eating
Object Int
Running
Walking
Alert
Other
Out of View
Resting
Sleeping
Activity


Bar Plot of Dog Behavior (Per Hour of Day)
Food: Ground Meat
9
10
11
12
13
14
15
16
Frequency
0
100
200
300
400
500
Dog Int
Eating
Object Int
Running
Walking
Alert
Other
Out of View
Resting
Sleeping
Activity

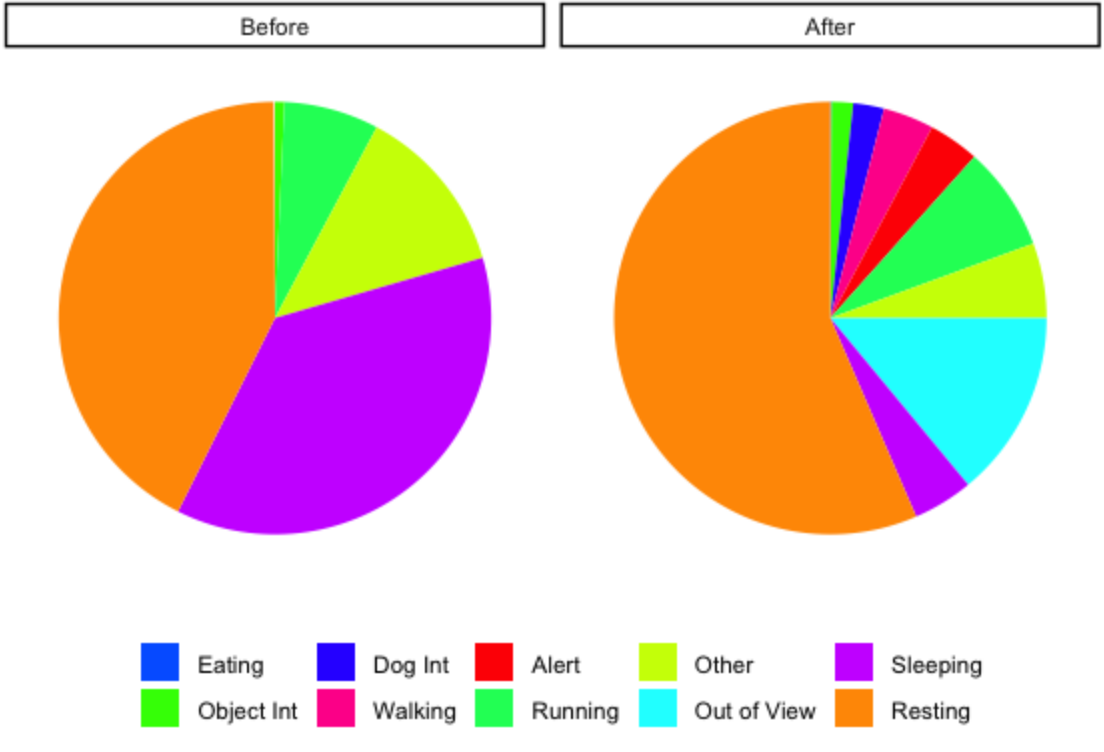

Bar Plot of Dog Behavior (Per Hour of Day)
Food: Bones
10
11
13
14
15
Frequency
0
100
200
300
400
500
Dog Int
Eating
Object Int
Running
Walking
Alert
Other
Out of View
Resting
Sleeping
Activity

Amara's Passing and Activity

Raw Counts: Before = 2464, After = 800

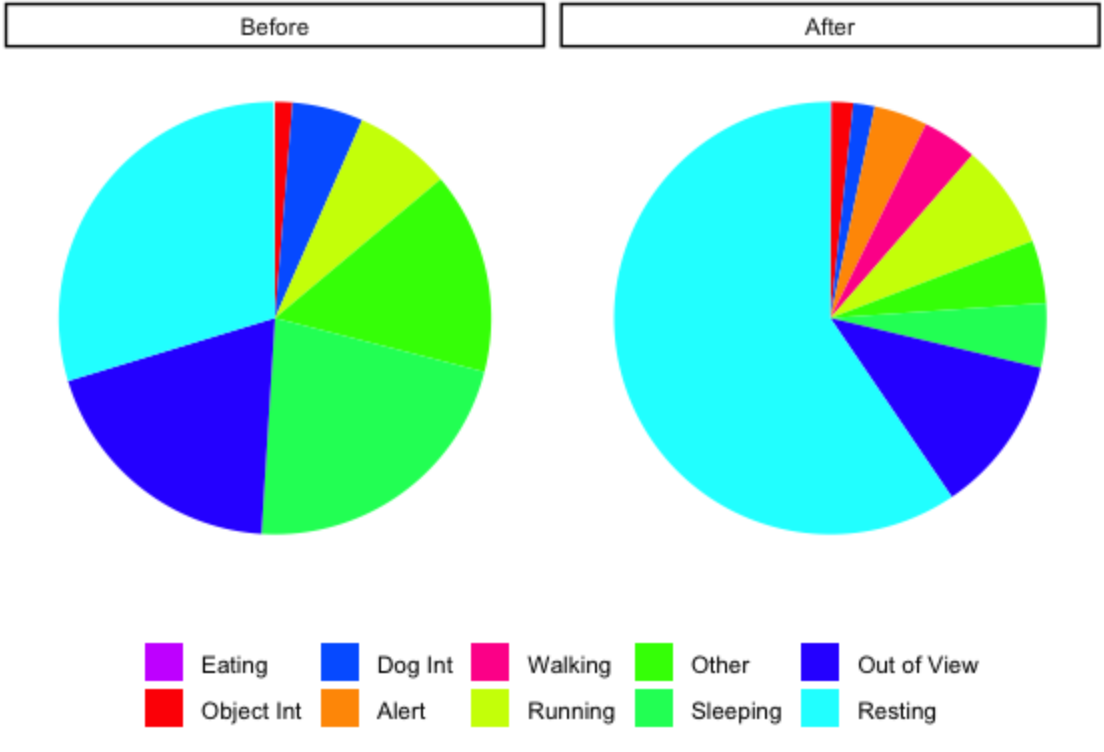
JT's Birth and Activity

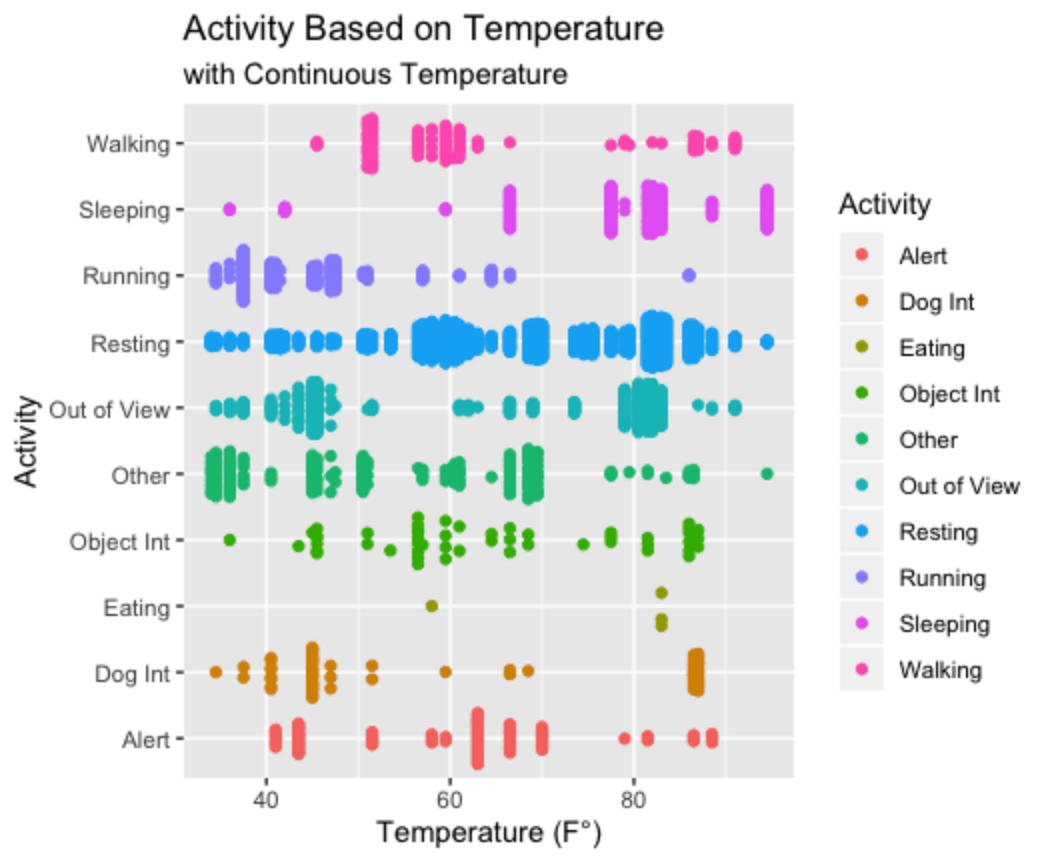
Raw Counts: Before = 268, After = 2996

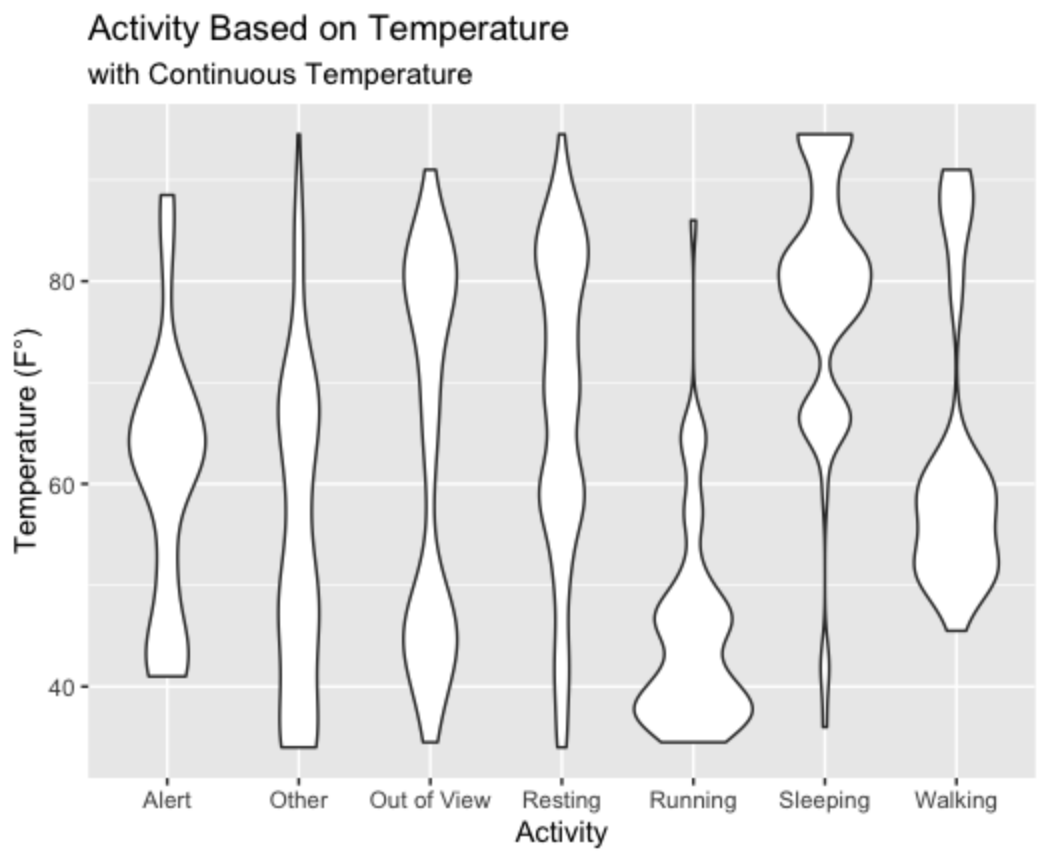


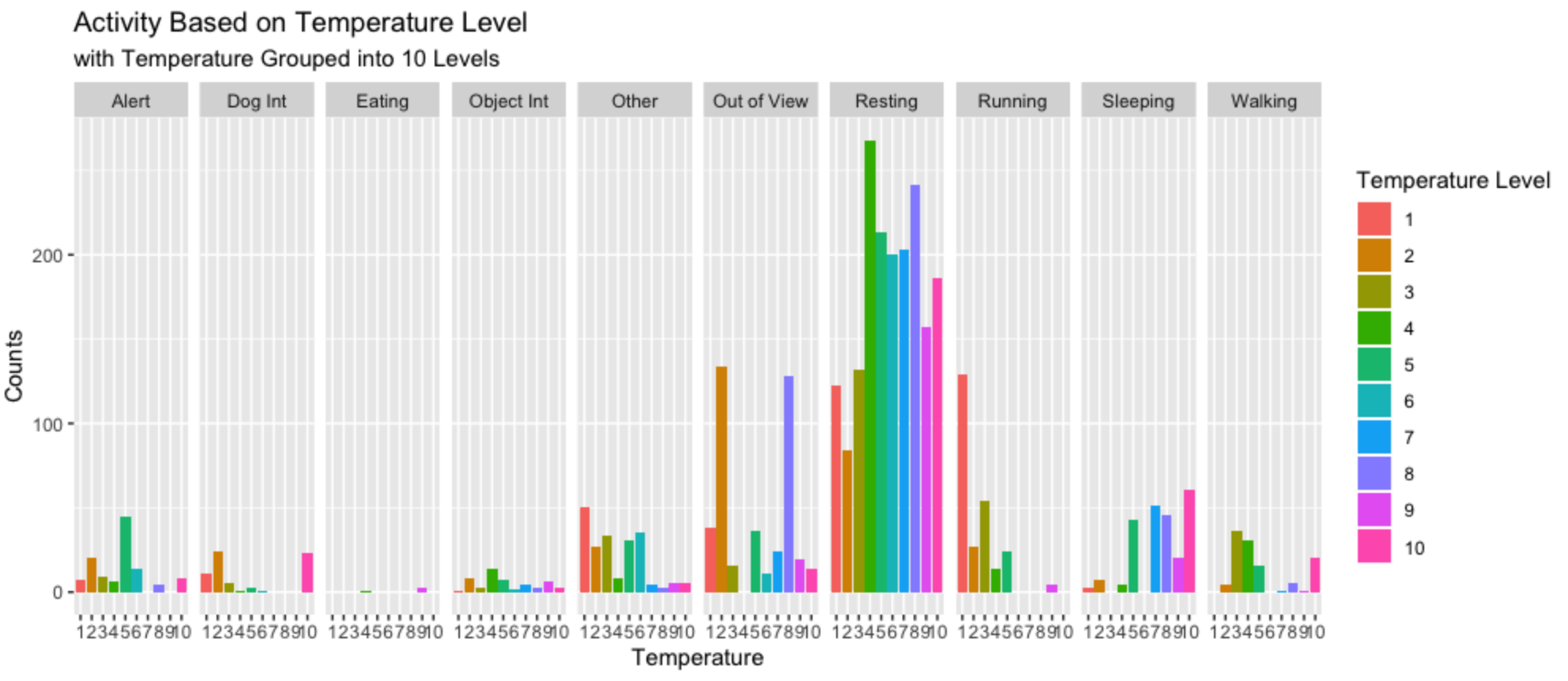
Minzi's Passing and Activity

Raw Counts: Before = 450, After = 2814

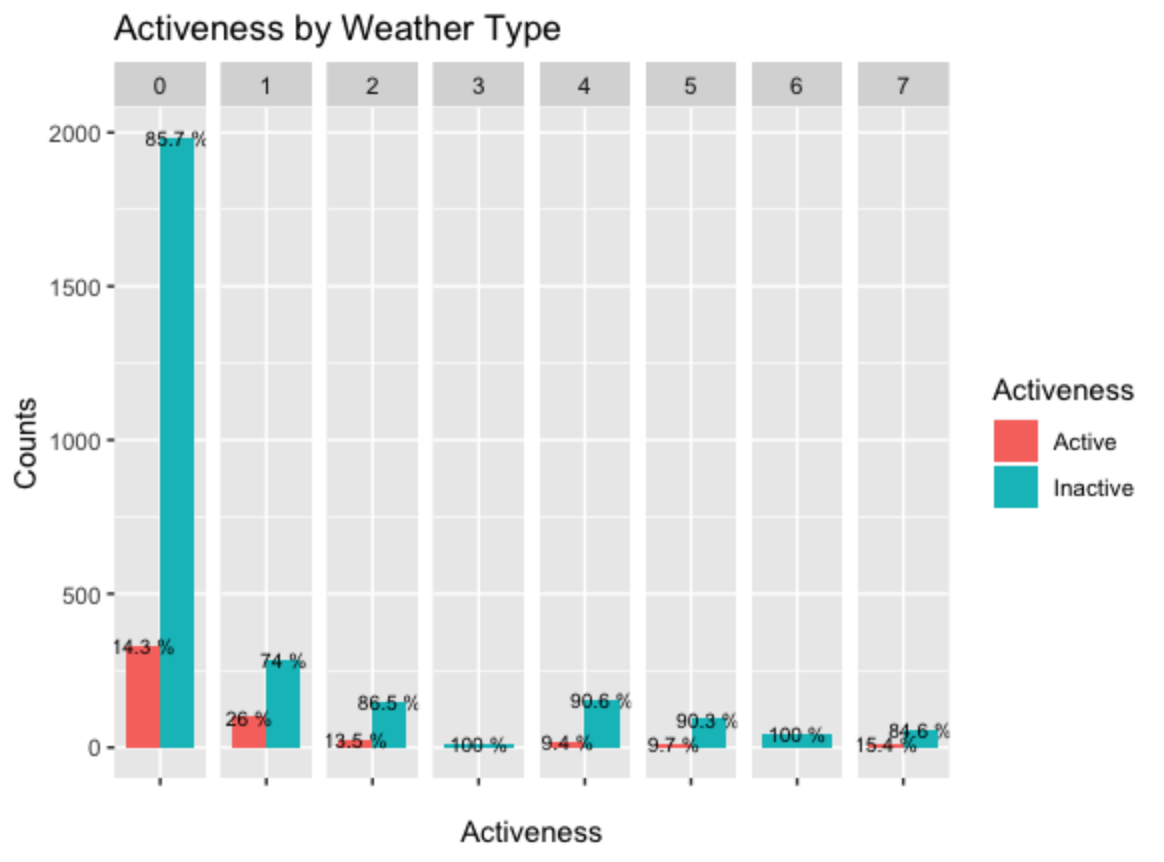



Activity Based on Temperature
with Continuous Temperature
Walking
Sleeping
Running
Resting
Out of View
Other
Object Int
Eating
Dog Int
Alert
Activity
40
60
80
Temperature (F°)
Activity
Alert
Dog Int
Eating
Object Int
Other
Out of View
Resting
Running
Sleeping
Walking

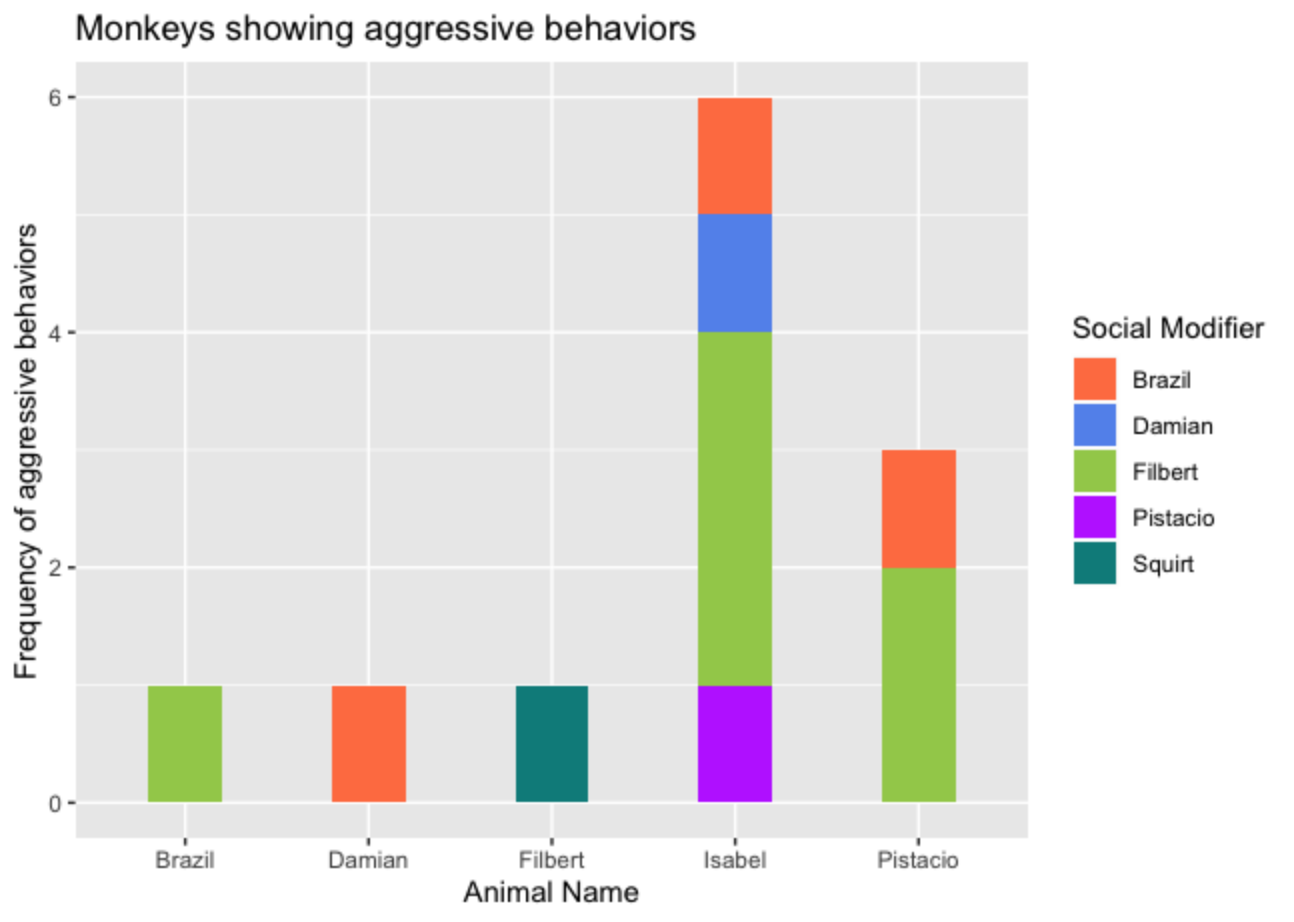

Activity Based on Temperature
with Continuous Temperature
Temperature (F°)
80
60
40
Alert
Other
Out of View
Resting
Running
Sleeping
Walking
Activity


Activity Based on Temperature Level
with Temperature Grouped into 10 Levels
Alert
Dog Int
Eating
Object Int
Other
Out of View
Resting
Running
Sleeping
Walking
Counts
0
100
200
1 2 3 4 5 6 7 8 9 10
Temperature
Temperature Level
1
2
3
4
5
6
7
8
9
10

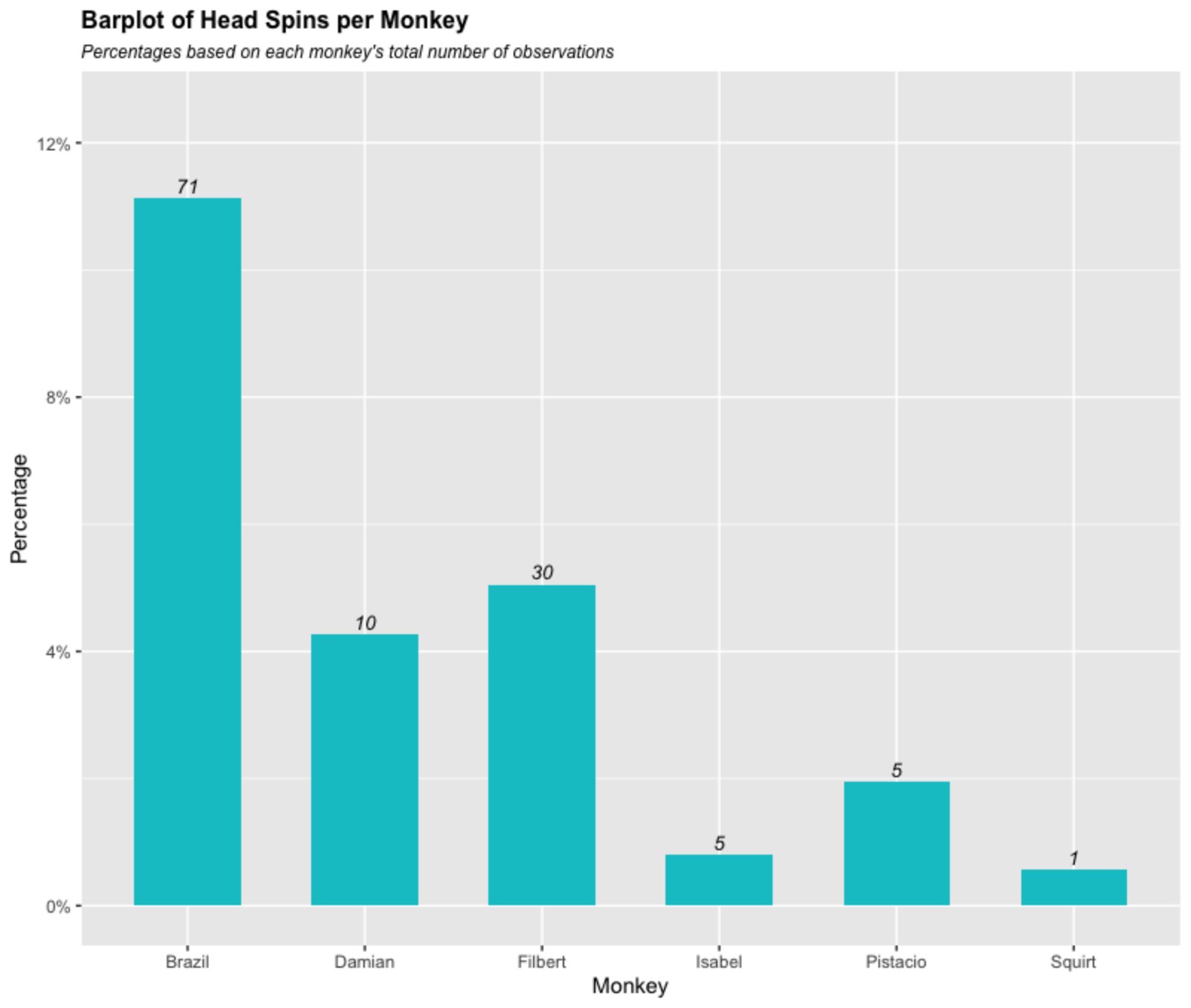
Level	Temperature (F°)
1	34 ~ 40
2	41 ~ 45
3	46 ~ 53
4	54 ~ 59
5	60 ~ 65
6	66 ~ 69
7	70 ~ 77
8	78 ~ 81
9	82 ~ 85
10	86 ~ 94


Activeness by Weather Type
0
1
2
3
4
5
6
7
2000
1500
1000
500
0
Counts
85.7 %
14.3 %
74 %
26 %
86.5 %
13.5 %
100 %
90.6 %
9.4 %
90.3 %
9.7 %
100 %
84.6 %
15.4 %
Activeness
Activeness
Active
Inactive

Weather Type	Weather Description
0	No Special Weather Type
1	Fog
2	Thunder
3	Smoke or haze
4	Fog and Thunder
5	Fog and Smoke or haze
6	Thunder and Hail
7	Fog and Thunder and Smoke or Haze

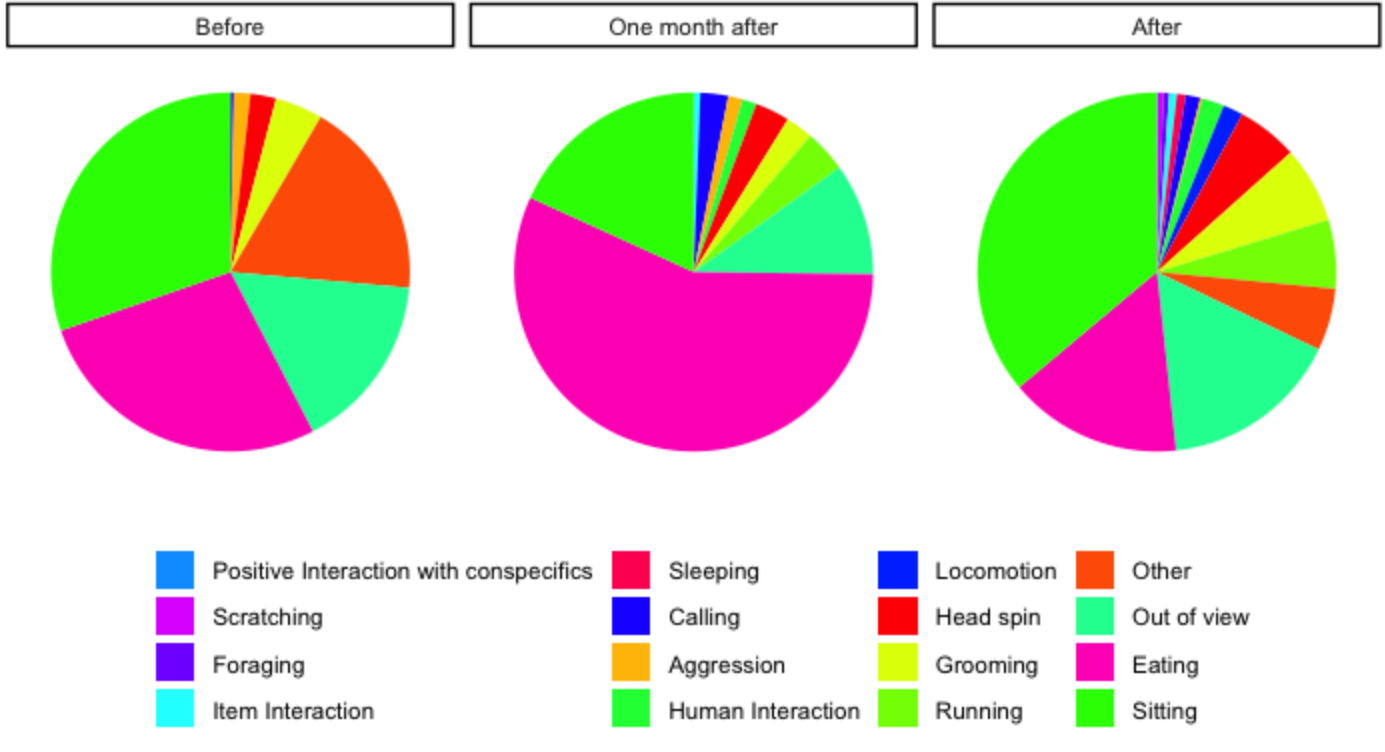

Monkeys showing aggressive behaviors
Frequency of aggressive behaviors
6
4
2
0
Brazil
Damian
Filbert
Isabel
Pistacio
Animal Name
Social Modifier
Brazil
Damian
Filbert
Pistacio
Squirt

Animal showing aggressive behavior	Social modifier	Date	Time
Damian	Brazil	November 06, 2017	15:12
Pistacio	Brazil	November 06, 2017	15:16
Pistacio	Filbert	November 06, 2017	15:21
Isabel	Brazil	December 19, 2017	15:16
Isabel	Damian	February 01, 2018	15:05
Isabel	Filbert	February 22, 2018	11:37
Isabel	Pistacio	March 12, 2018	15:59
Pistacio	Filbert	March 12, 2018	16:03
Isabel	Filbert	February 17, 2019	11:17
Isabel	Filbert	February 17, 2019	11:18
Brazil	Filbert	February 17, 2019	11:18
Filbert	Squirt	February 08, 2020	15:09


Barplot of Head Spins per Monkey
Percentages based on each monkey's total number of observations
12%
8%
4%
0%
Percentage
71
10
30
5
5
1
Brazil
Damian
Filbert
Isabel
Pistacio
Squirt
Monkey

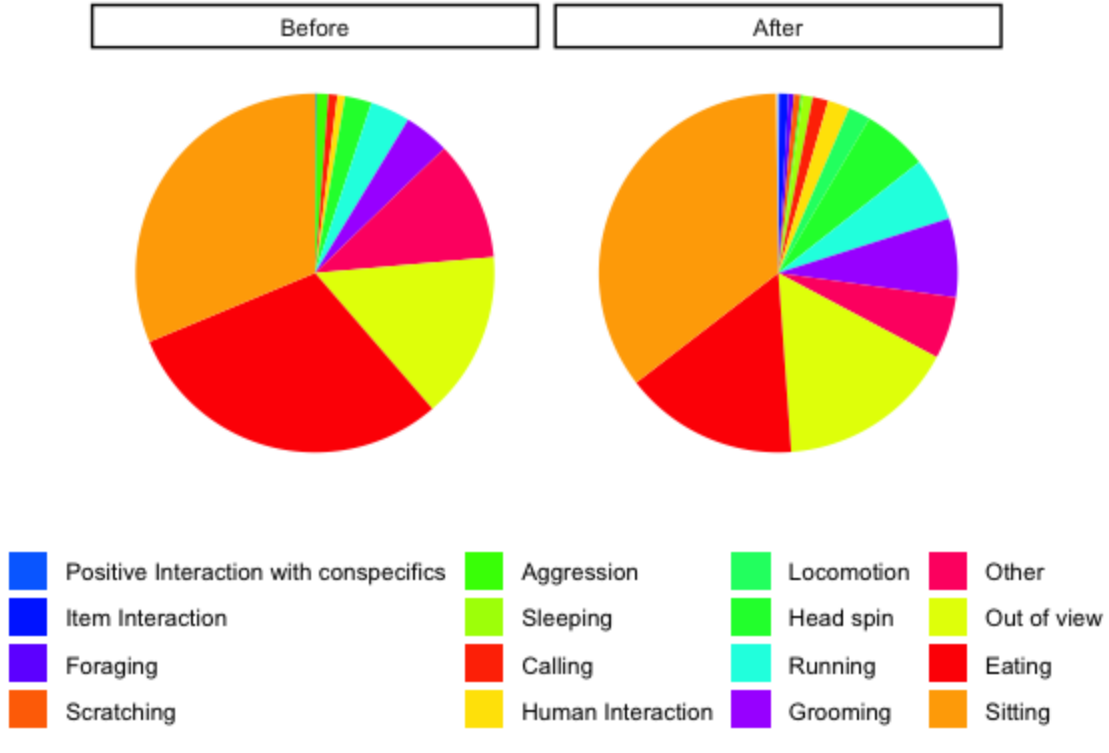
Damian's Passing and Activity

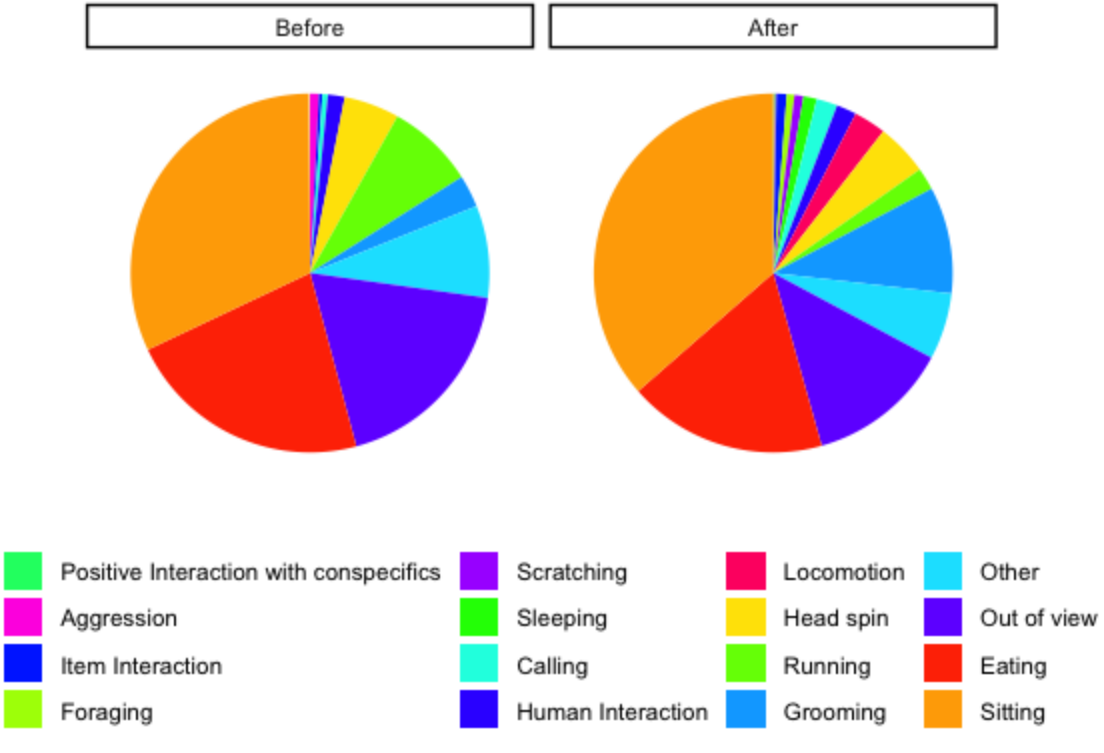
Raw Counts: Before = 399, One month after = 159, After = 1962



Pistachio's Passing and Activity

Raw Counts: Before = 760, After = 1760



Squirt's Arrival and Activity

Raw Counts: Before = 1296, After = 1224