

# ← Training Dataset: // High-Level

## Average of Variables Per Image Class

Animals			
\$13.253....	240,18	0,46	3,62
Total Target	Promedio de B...	Promedio de B...	Promedio de BOZ
-2.397,70	28,72	0,45	0,08
Promedio de D...	Promedio de F...	Promedio de F...	Promedio de GOX
-246,65	214,46	0,35	6.042,56
Promedio de H...	Promedio de J...	Promedio de L...	Promedio de LUX
0,23	0,01	80,38	0,07
Promedio de Q...	Promedio de ...	Promedio de X...	Promedio de YYZ

Inanimate			
\$10.028....	310,21	0,43	2,95
Total Target	Promedio de B...	Promedio de B...	Promedio de BOZ
-655,63	26,10	0,41	0,51
Promedio de D...	Promedio de F...	Promedio de F...	Promedio de GOX
-232,23	201,68	0,43	5.975,96
Promedio de H...	Promedio de J...	Promedio de L...	Promedio de LUX
1,13	0,01	93,29	-1,45
Promedio de Q...	Promedio de ...	Promedio de X...	Promedio de YYZ

Year, Month

Todas

Image Class

Todas

## Total Target Per Class Group

Image	Image Group	Sum
Cat	Animals	4
Dog	Animals	5
Llama	Animals	1
Cake	Inanimate	2
Cartoon	Inanimate	2
Flower	Nature	1
Total		5

Total Target

52,95 ...

Total Days of Analysis

1094

Total Image Classes

10

Total Class Groups

5

## Sum of Target by Image Class Groups

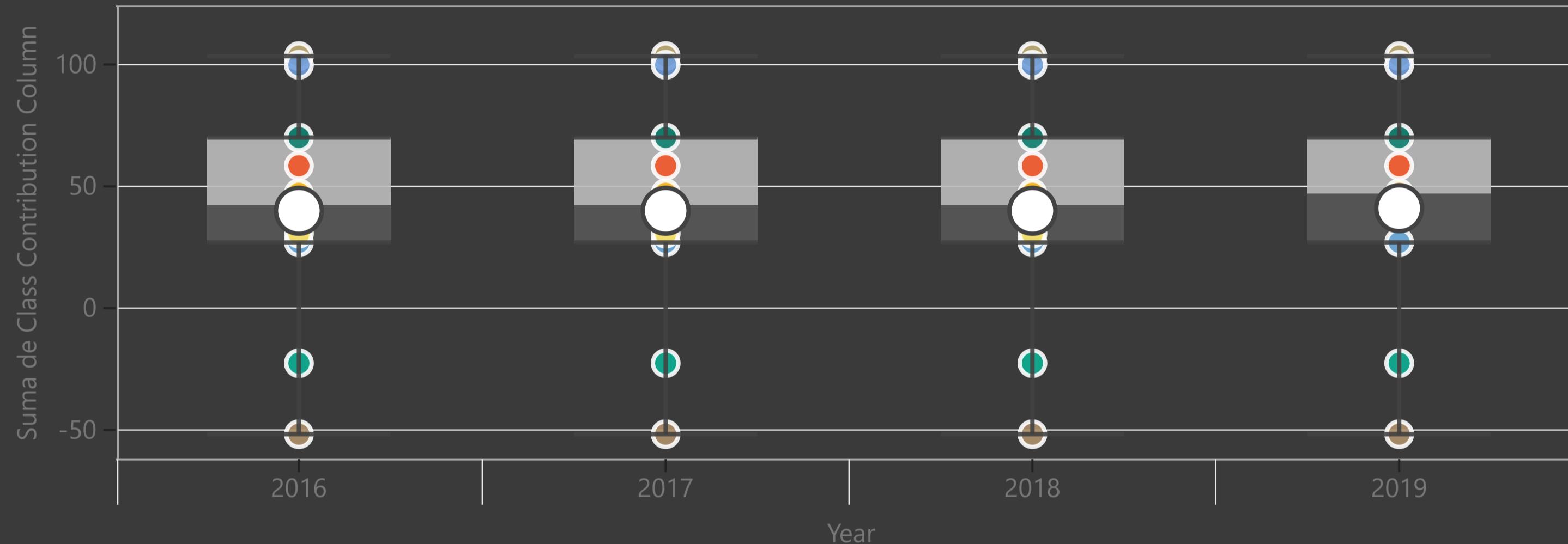




# Analysis of Image Classes: Trends, Outliers, and Yearly Contributions

## Image Class by Year: Outliers

Image Class ● Airplane ● Boat ● Cake ● Cartoon ● Cat ● Dog ● Flower ● Llama ● Mountain ● Person



**52,95**  
mill.  
Suma de Total Target

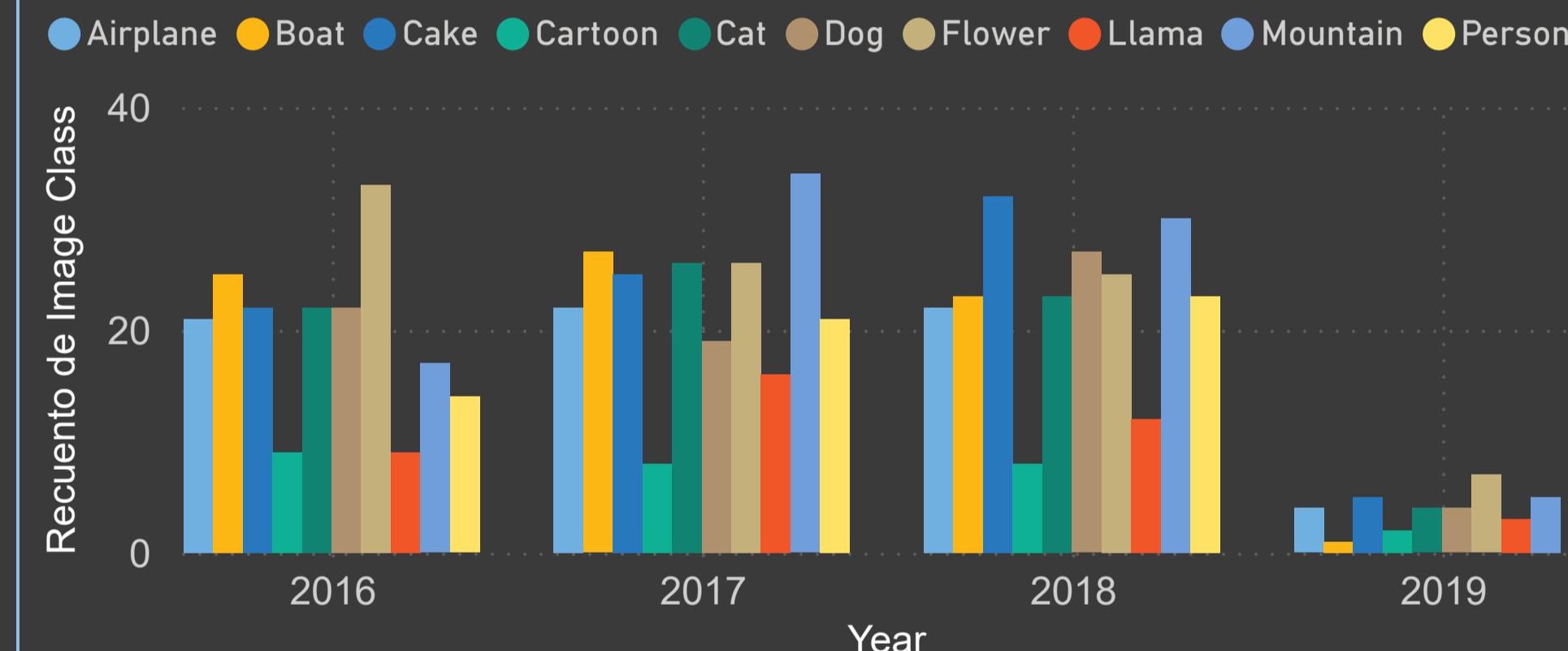
Year

Todas

Image Class

Todas

## Image Class by Year: Distribution

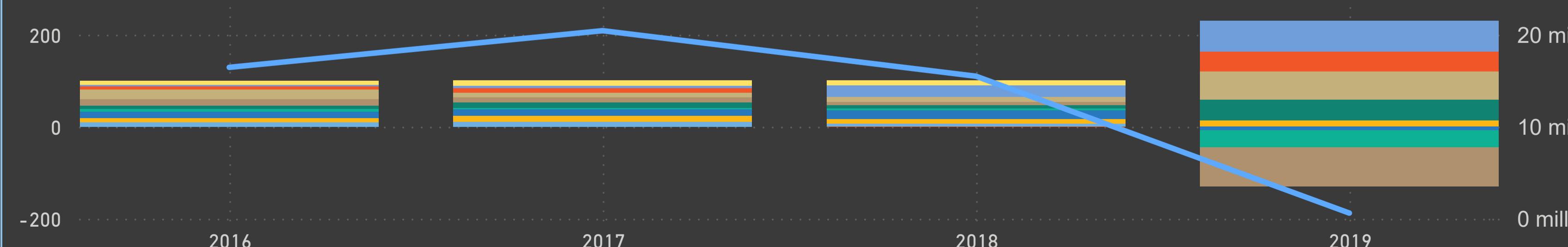


## Sum of Total Target by Year

**603,46 mil**  
(+48.98 %)

## Suma de Class Contribution Column y Suma de Total Target por Year y Image Class

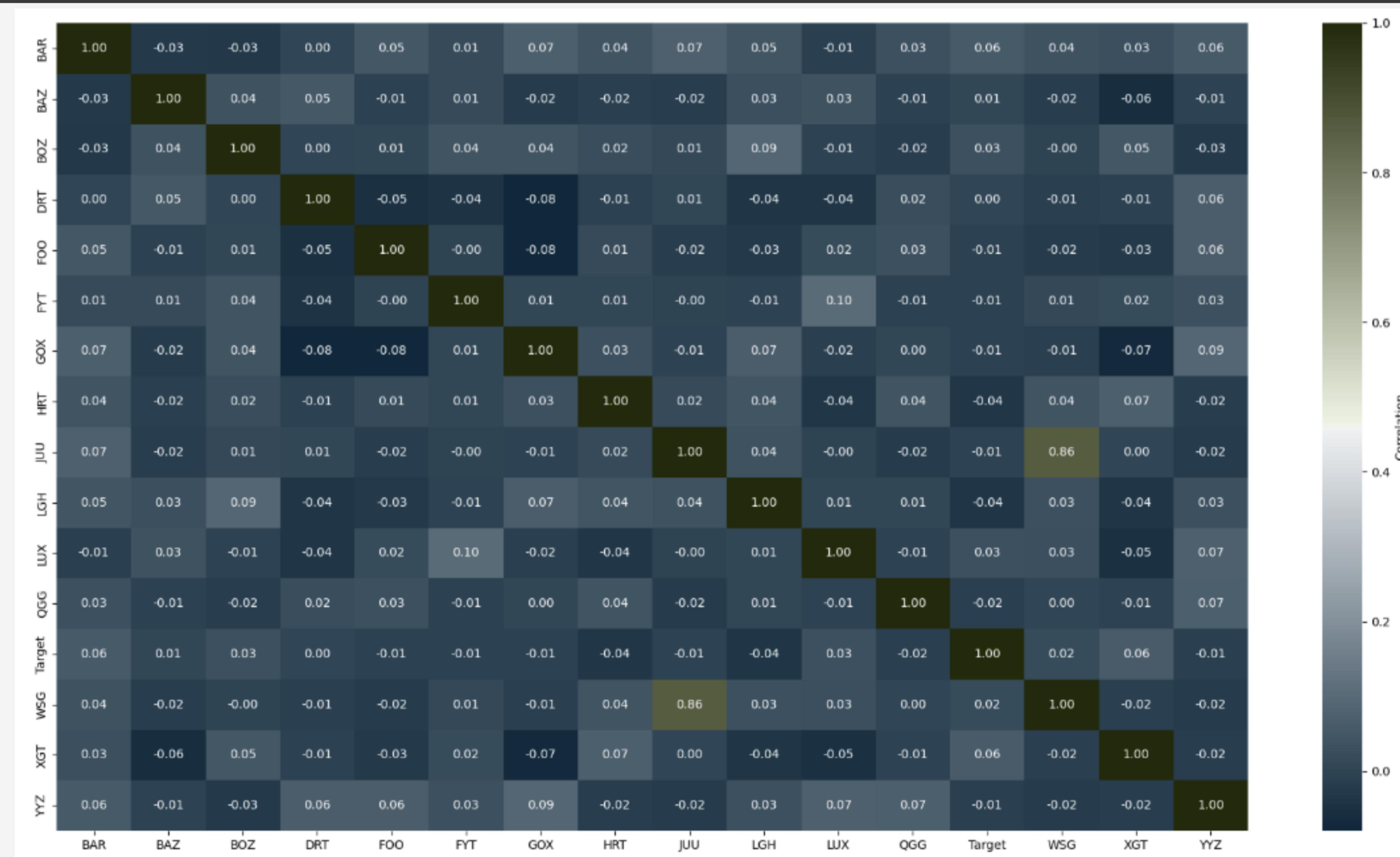
● Airplane ● Boat ● Cake ● Cartoon ● Cat ● Dog ● Flower ● Llama ● Mountain ● Person ● Suma de Total Target





# Correlation Heatmap:

## // Continuous, Target & Binary Variables



# Binary Variables Analysis

## / Class Imbalances in BAZ, FYT, and LGH

Total Count of BAR Instances

678

Total Count of FYT Instances

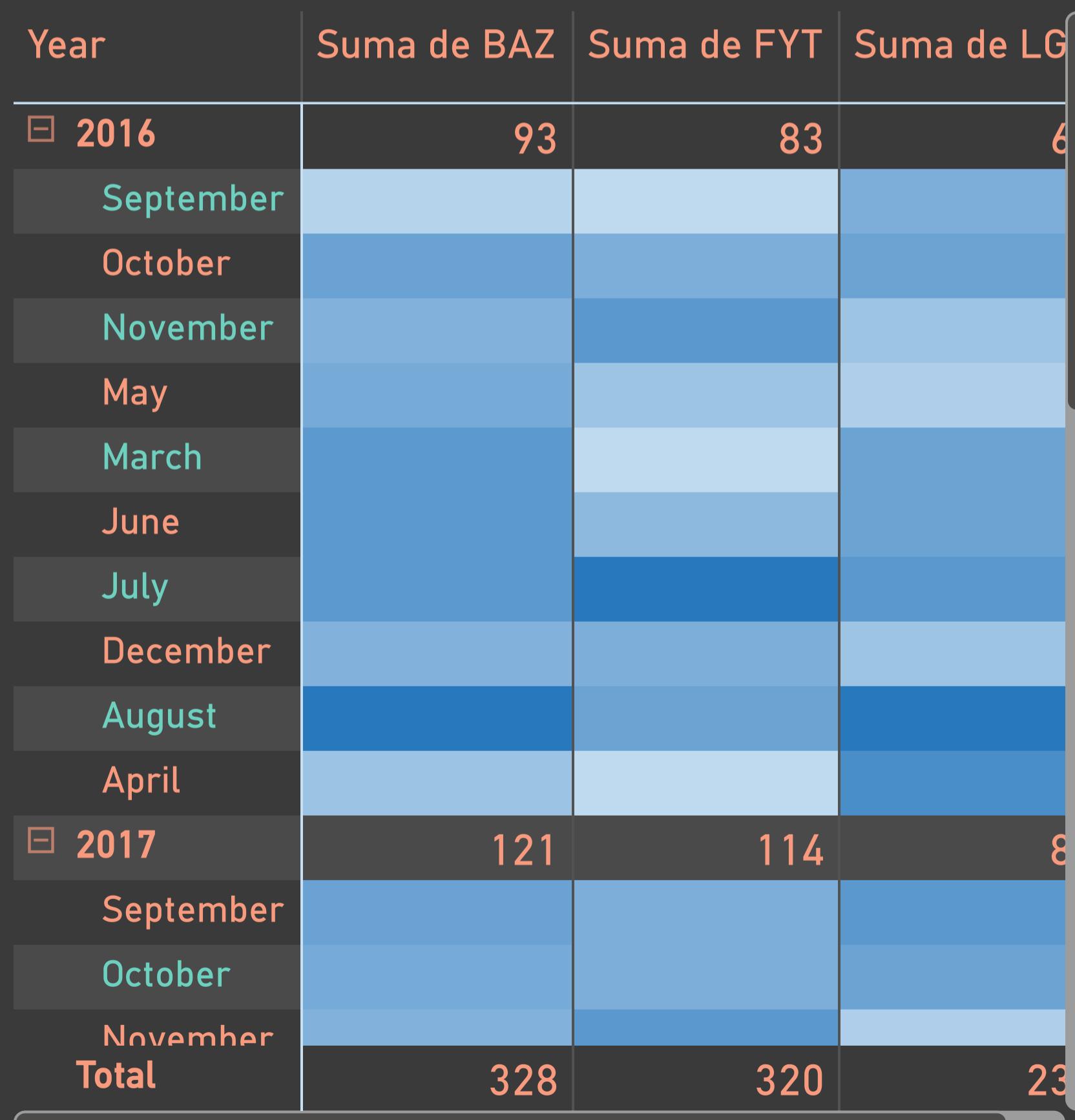
678

Total Count of LGH Instances

678

### Trends of Binary Variables by Month

#### Sum of BAZ, FYT, and LGH



### Year, Month

Todas

### Image Class (groups), Image Class

Todas

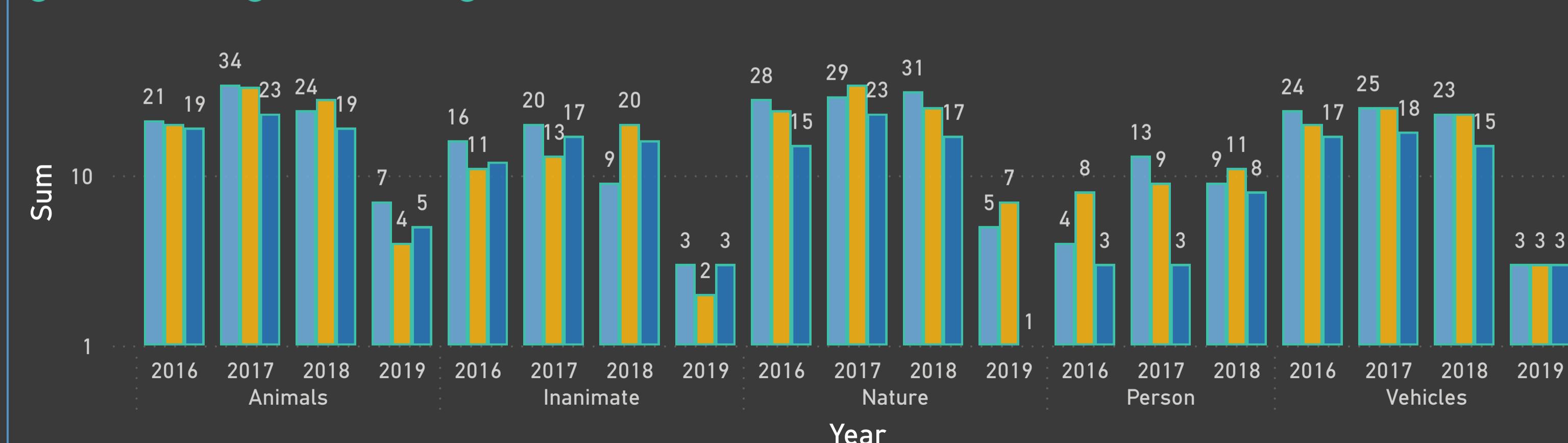
### BAR, FYT, and LGH: Key Metrics

Year	Month	Image Class (groups)	Recuento de BAR	Mín. de BAR	Máx. de BAR	Promedio de BAR	Suma de BA
2016	April	Animals	4	-1.24	148,36	71,52	286
2016	April	Inanimate	4	-4,98	514,12	163,74	654
2016	April	Nature	8	-89,69	477,69	45,34	362
2016	April	Vehicles	4	1,25	1.275,09	320,37	1.281
2016	August	Animals	4	20,88	977,84	563,40	2.253
2016	August	Inanimate	6	68,93	1.239,44	432,89	2.597
2016	August	Nature	5	-1,11	1.071,12	389,47	1.947
<b>Total</b>			<b>678</b>	<b>-122,72</b>	<b>1.719,20</b>	<b>272,60</b>	<b>184.820</b>

### Sum of BAS, FYT, AND LGH by Image Class

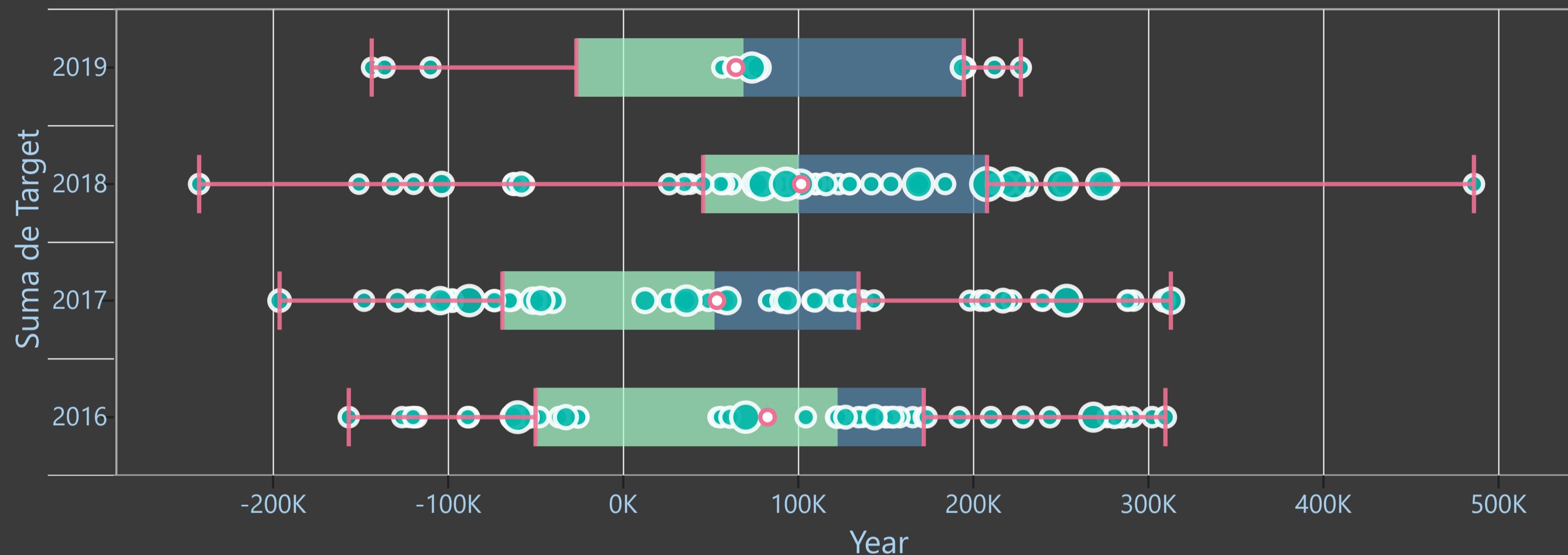
\*Values displayed on logarithmic scale

● Suma de BAZ ● Suma de FYT ● Suma de LGH



# Analysis of BAR: Statistics, Trends, and Outliers

## Outliers in BAR by Year



Year, Month

Todas

Image Class (groups)

Nature

Total Number of BAR Instances

**177**

Sum of BAR Accross Time

**38,78 ...**

Average BAR Value Per Instance

**219,10**

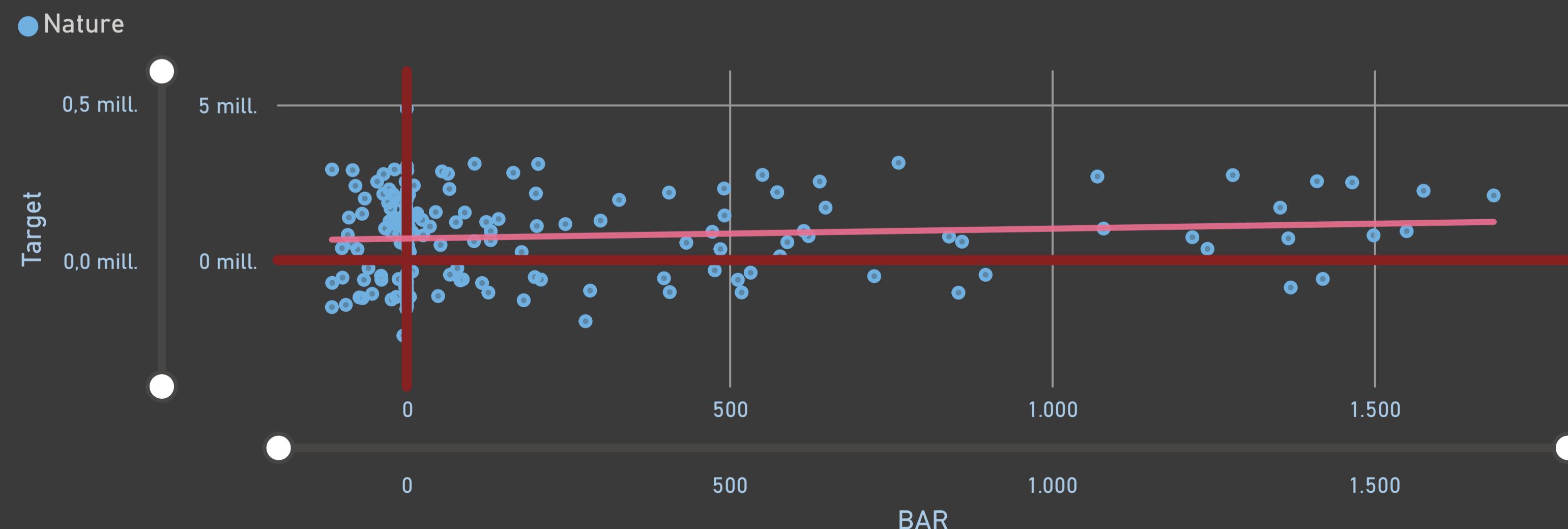
Max BAR

**1,69 mil**

Min BAR

**-116,04**

## Target & Image Class Groups Relationship

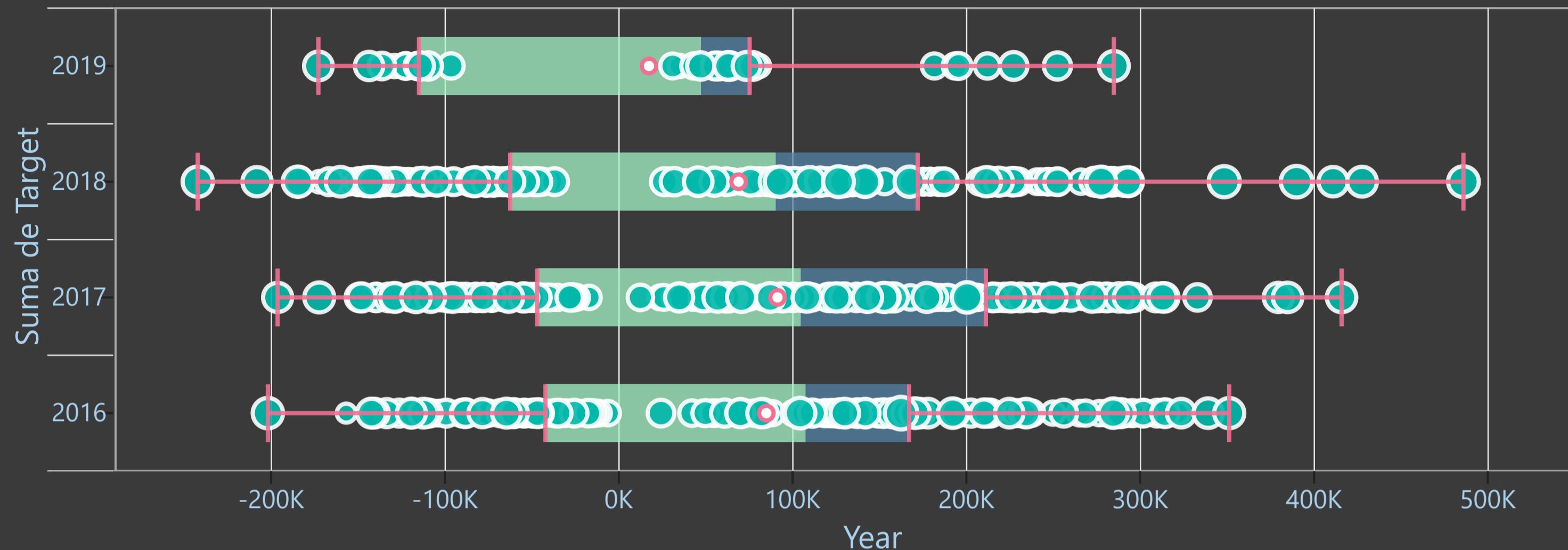


## BAR: Key Metrics

Year	Month	Image Class (groups)	Recuento de BAR	Mín.
2016	April	Nature	8	
2016	August	Nature	5	
2016	December	Nature	3	
2016	July	Nature	7	
2016	June	Nature	6	
2016	March	Nature	4	
2016	May	Nature	6	
2016	November	Nature	8	
2016	October	Nature	1	
Total				177

# Analysis of XGT: Statistics, Trends, and Outliers

## Outliers in XGT by Year



Year, Month

Todas

Image Class (groups)

Todas

Total Number of XGT Instances

**678**

Sum of XGT Accross Time

**61,42 ...**

Average XGT Value Per Instance

**90,59**

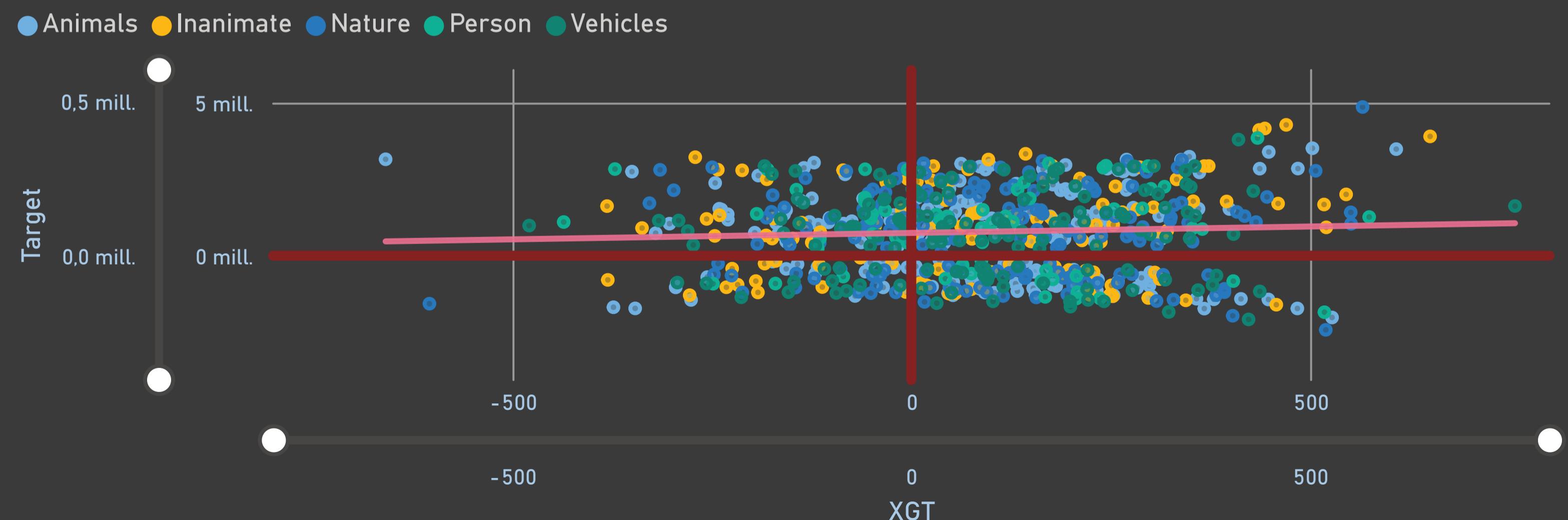
Max XGT

**756,85**

Min XGT

**-659,01**

## Target & Image Class Groups Relationship

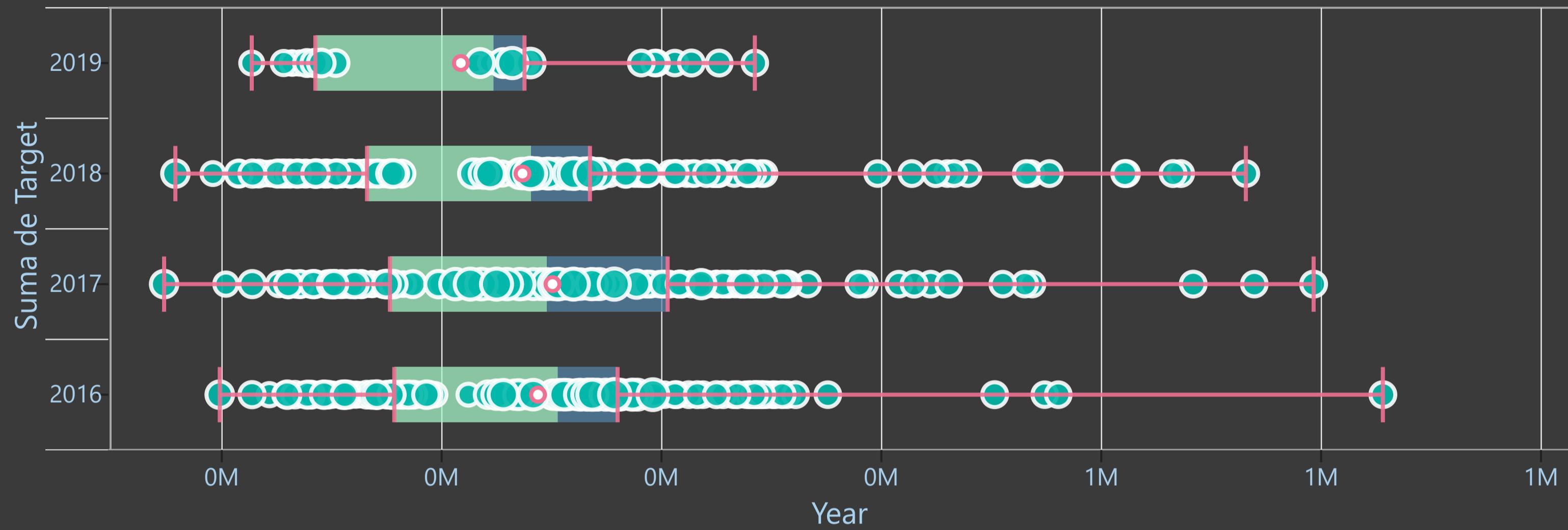


## XGT: Key Metrics

Year	Month	Image Class (groups)	Recuento de XGT	Mín.
2016	April	Animals	4	
2016	April	Inanimate	4	
2016	April	Nature	8	
2016	April	Vehicles	4	
2016	August	Animals	4	
2016	August	Inanimate	6	
2016	August	Nature	5	
2016	August	Person	2	
2016	August	Vehicles	8	
Total				<b>678</b>

# Analysis of QGG: Statistics, Trends, and

## Outliers in QGG by Year



Year, Month

Todas

Image Class (groups)

Todas

Total Number of QGG Instances

**678**

Sum of XGT Accross Time

**186,62**

Average QGG Value Per Instance

**0,28**

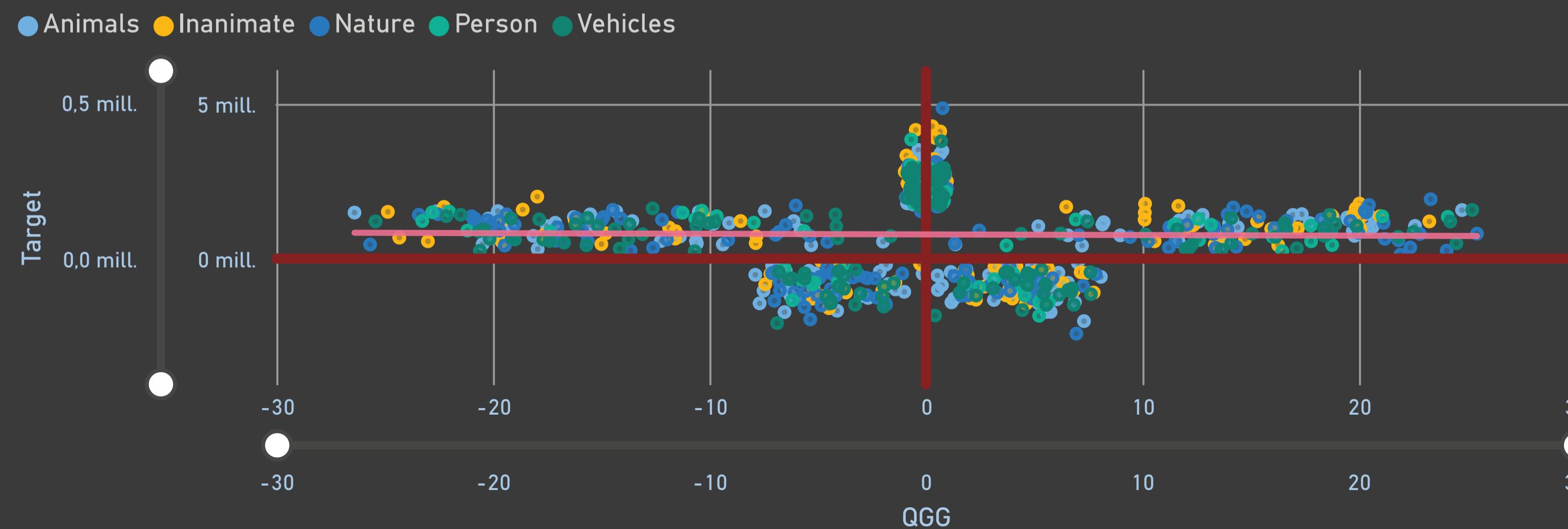
Max QGG

**25,45**

Min QGG

**-26,39**

## Target & Image Class Groups Relationship

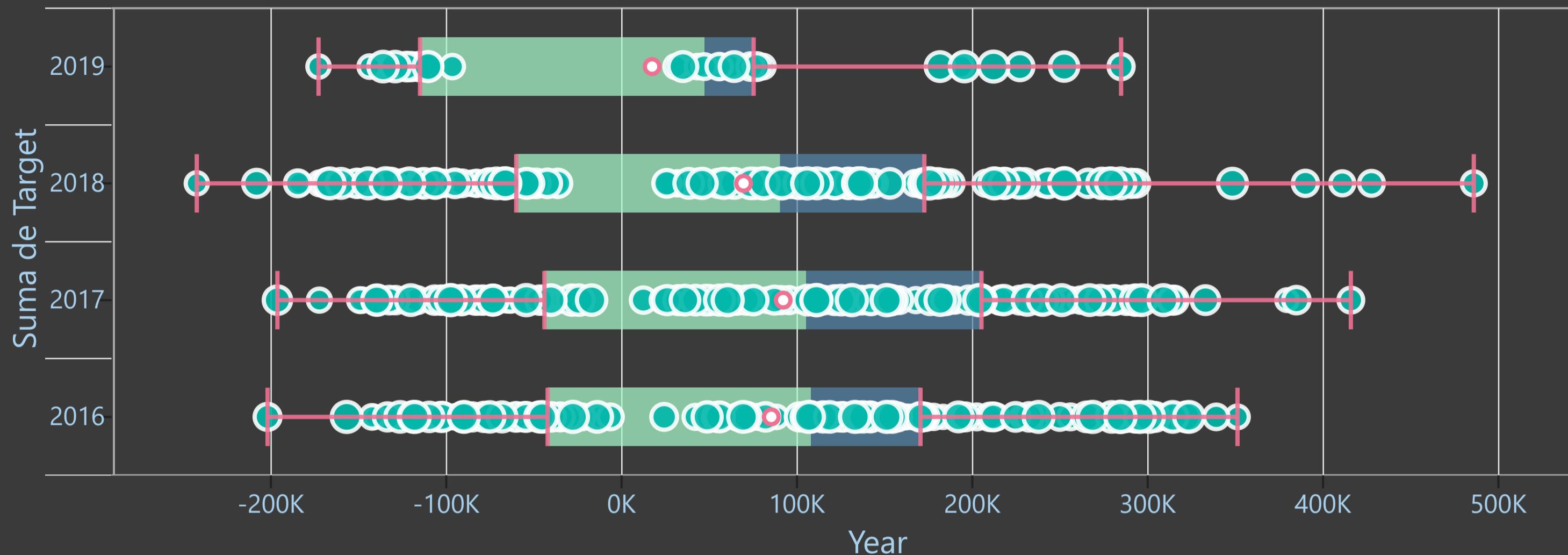


## QGG: Key Metrics

Year	Month	Image Class (groups)	Recuento de QGG	Mín.
2016	April	Animals	4	
2016	April	Inanimate	4	
2016	April	Nature	8	
2016	April	Vehicles	4	
2016	August	Animals	4	
2016	August	Inanimate	6	
2016	August	Nature	5	
2016	August	Person	2	
2016	August	Vehicles	8	
Total				<b>678</b>

# Analysis of LUX: Statistics, Trends, and Outliers

## Outliers in LUX by Year



Year, Month

Todas

Image Class (groups)

Todas

Total Number of LUX Instances

**678**

Sum of LUX Accross Time

**4,05 m...**

Average LUX Value Per Instance

**5,97 ...**

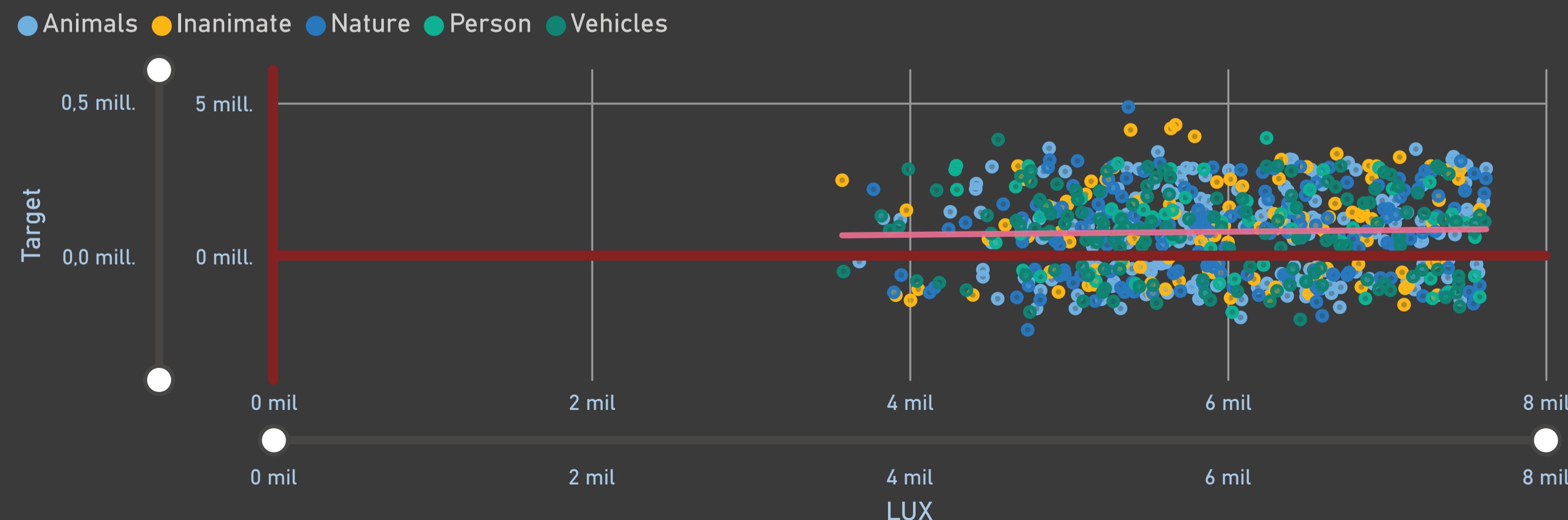
Max LUX

**7,63 mil**

Min LUX

**3,58 mil**

## Target & Image Class Groups Relationship

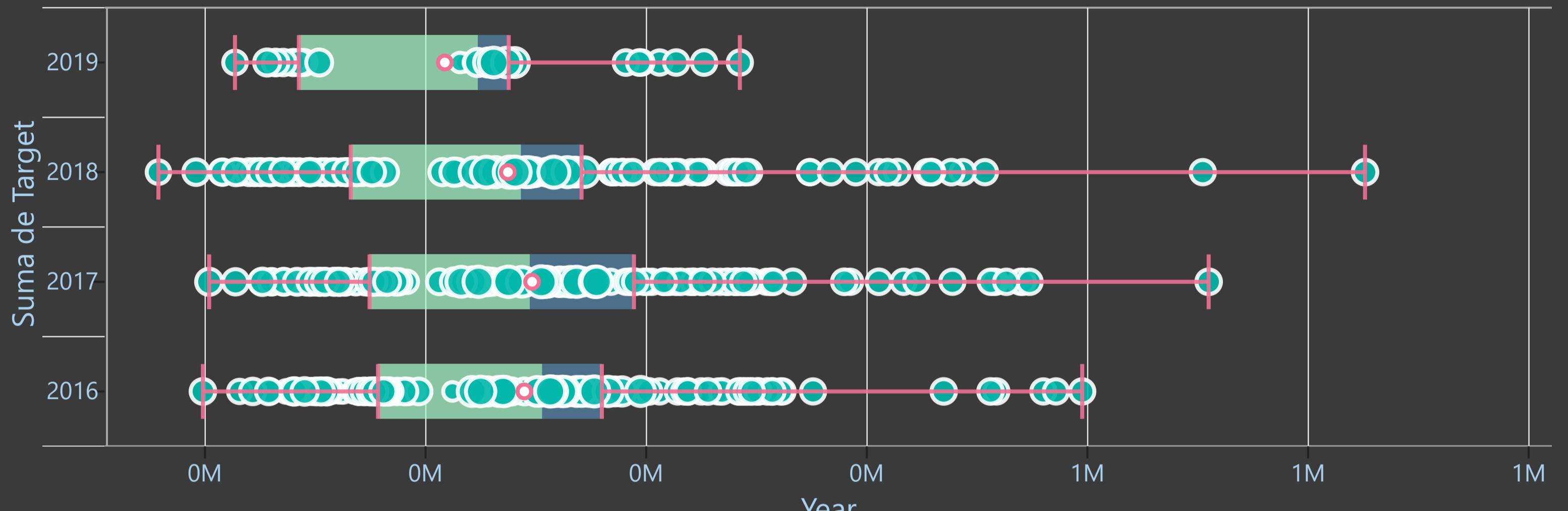


## LUX: Key Metrics

Year	Month	Image Class (groups)	LUX	Mín. de LUX	Máx. de LUX
2016	April	Animals	5.369,41	5.369,41	7.480,64
2016	April	Animals	5.563,05	5.563,05	7.567,30
2016	April	Animals	7.480,64	7.480,64	7.567,30
2016	April	Animals	7.567,30	7.567,30	7.567,30
2016	April	Inanimate	4.871,56	4.871,56	5.882,80
2016	April	Inanimate	5.632,59	5.632,59	6.785,86
2016	April	Inanimate	5.882,80	5.882,80	6.785,86
2016	April	Inanimate	6.785,86	6.785,86	6.785,86
2016	April	Nature	4.847,35	4.847,35	4.847,35
Total					3.577,81

# Analysis of YYZ: Statistics, Trends, and Outliers

## Outliers in YYZ by Year



Year, Month

Todas

Image Class (groups)

Todas

Total Number of YYZ Instances

**678**

Sum of YYZ Accross Time

**-381,23**

Average YYZ Value Per Instance

**-0,56**

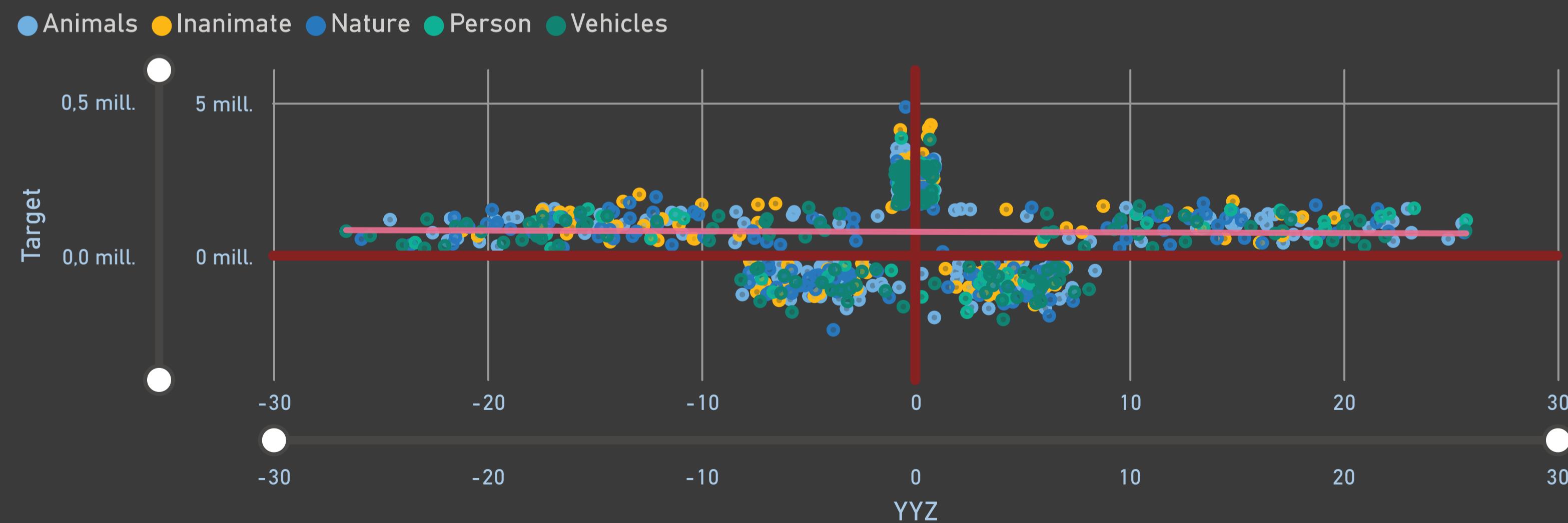
Max YYZ

**25,74**

Min YYZ

**-26,59**

## Target & Image Class Groups Relationship

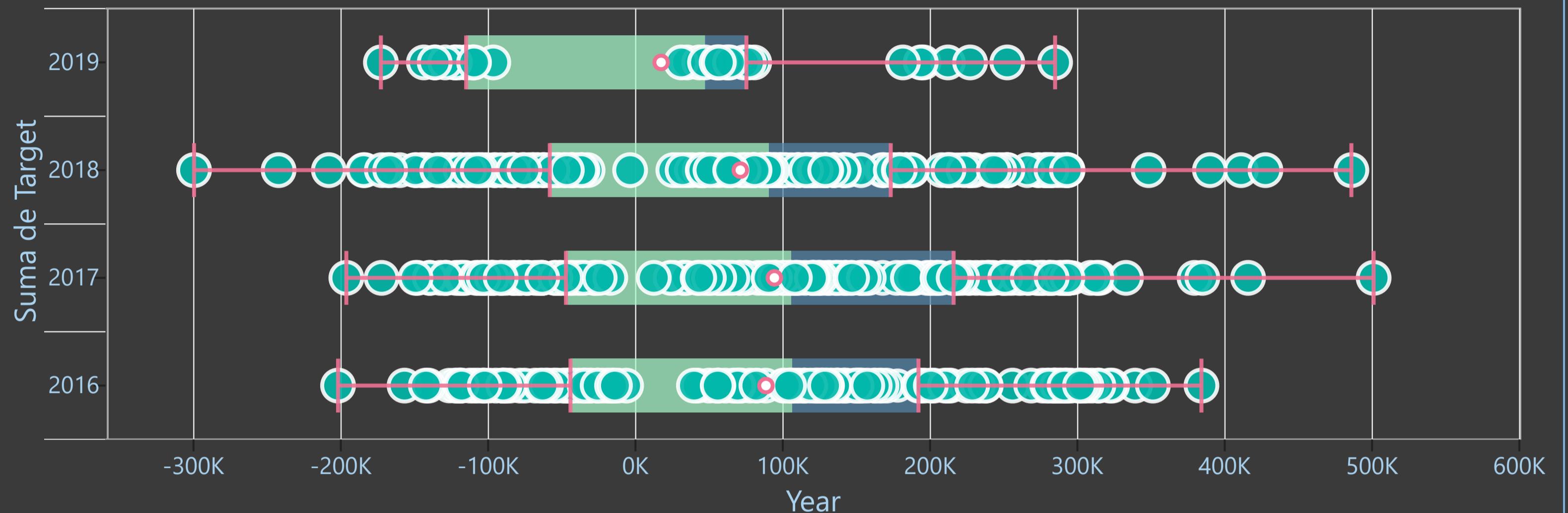


## YYZ: Key Metrics

Year	Month	Image Class (groups)	Recuento de YYZ	Mín.
2016	April	Animals	4	
2016	April	Inanimate	4	
2016	April	Nature	8	
2016	April	Vehicles	4	
2016	August	Animals	4	
2016	August	Inanimate	6	
2016	August	Nature	5	
2016	August	Person	2	
2016	August	Vehicles	8	
Total				<b>678</b>

# Analysis of DRT: Statistics, Trends, and Outliers

## Outliers in DRT by Year



Year, Month

Todas

Image Class (group)

Todas

Total Number of DRT Instances

**678**

Sum of DRT Accross Time

**-797,50...**

Average DRT Value Per Instance

**-1,18 ...**

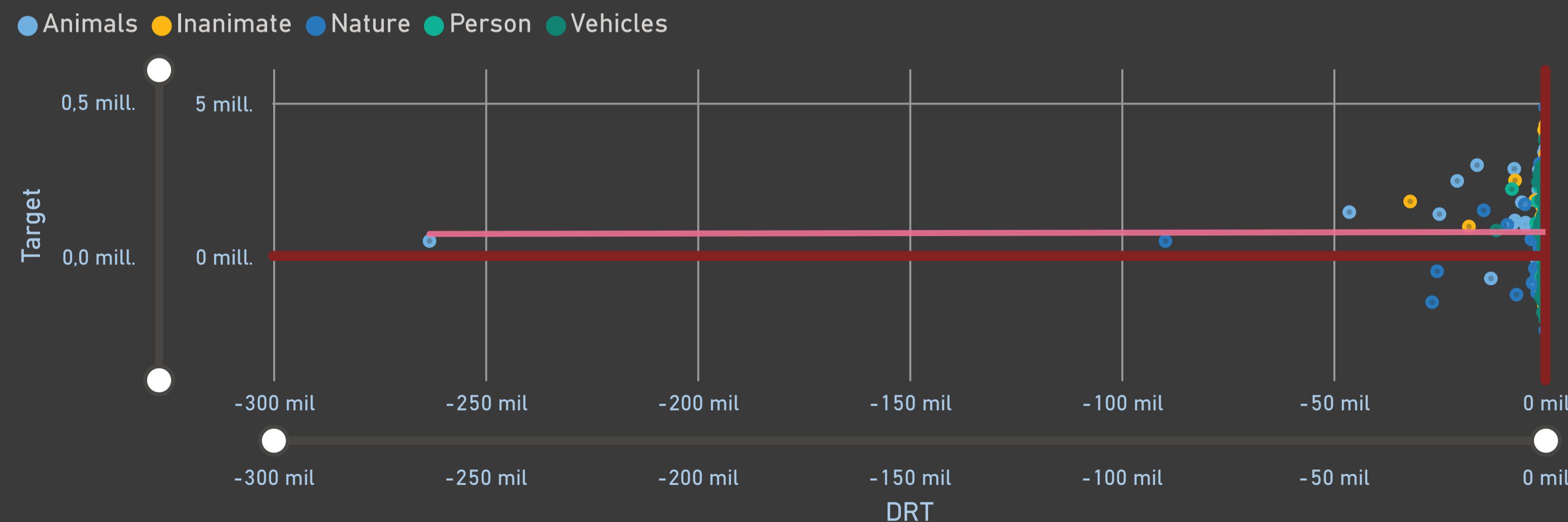
Max DRT

**0.00**

Min DRT

**-263,13 mil**

## Target & Image Class Groups Relationship

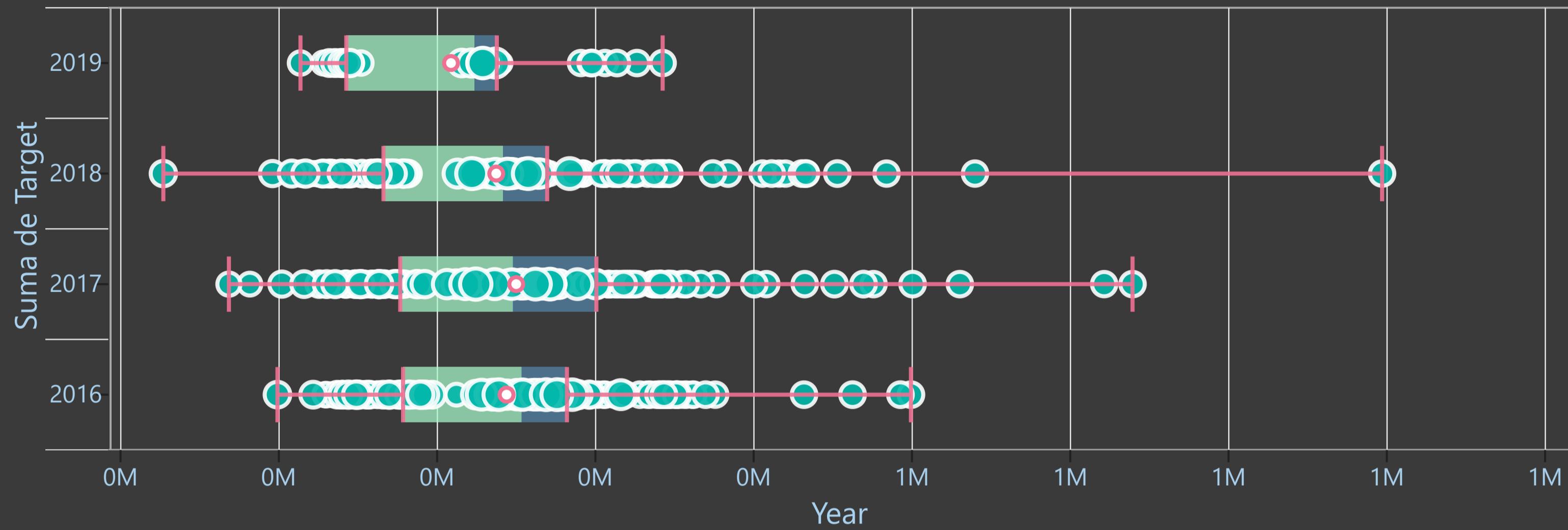


## DRT: Key Metrics

Year	Month	Image Class (groups)	Recuento de DRT	Mín.
2016	April	Animals	4	
2016	April	Inanimate	4	
2016	April	Nature	8	-1
2016	April	Vehicles	4	
2016	August	Animals	4	-
2016	August	Inanimate	6	
2016	August	Nature	5	
2016	August	Person	2	
2016	August	Vehicles	8	
Total			678	-26

# Analysis of GOX: Statistics, Trends, and Outliers

## Outliers in GOX by Year



Year, Month

Todas

Image Class (groups)

Todas

Total Number of GOX Instances

**678**

Sum of GOX Accross Time

**40,78**

Average GOX Value Per Instance

**0,06**

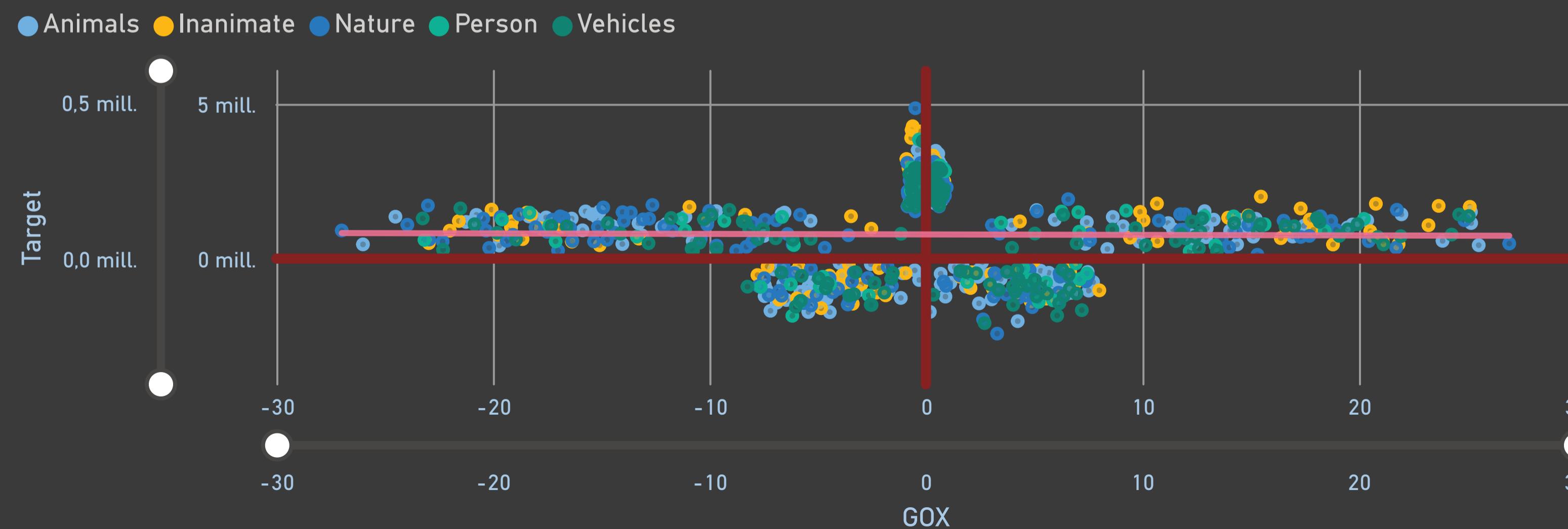
Max GOX

**40,78**

Min GOX

**-26,98**

## Target & Image Class Groups Relationship

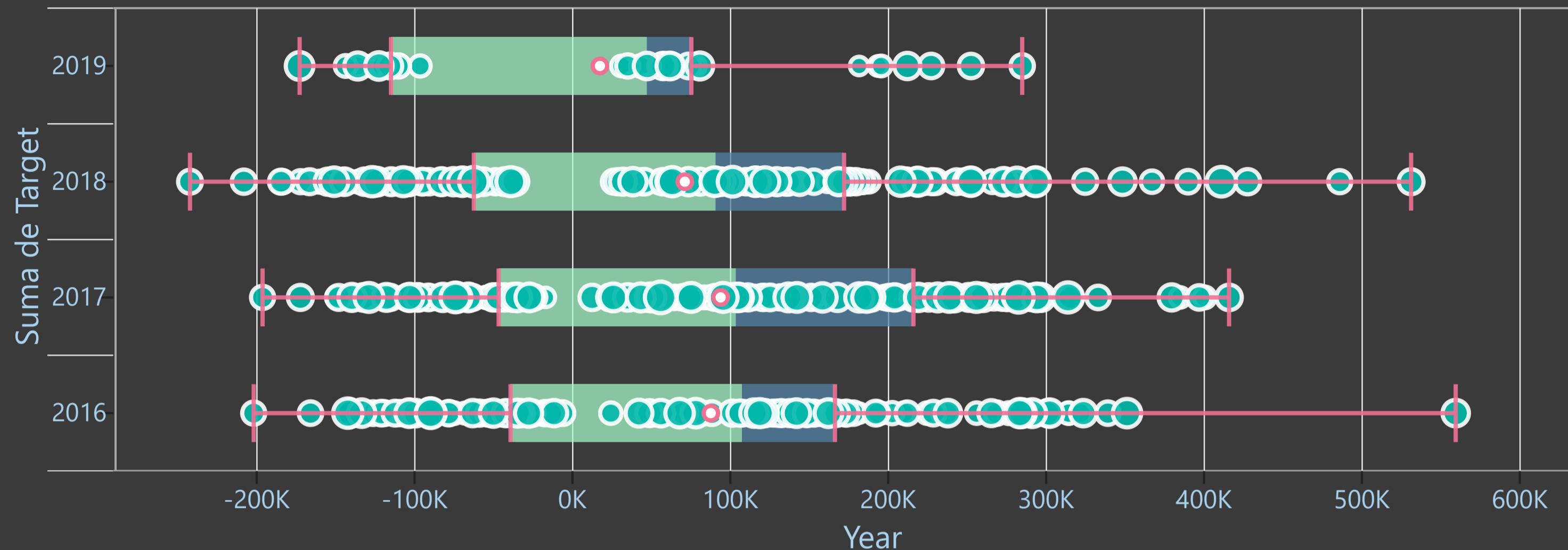


## GOX: Key Metrics

Year	Month	Image Class (groups)	Recuento de GOX	Mín.
2016	April	Vehicles	4	
2016	August	Vehicles	8	
2016	December	Vehicles	5	
2016	July	Vehicles	6	
2016	June	Vehicles	3	
2016	March	Vehicles	7	
2016	May	Vehicles	3	
2016	November	Vehicles	3	
2016	October	Vehicles	3	
Total				<b>678</b>

# Analysis of FOO: Statistics, Trends, and Outliers

## Outliers in FOO by Year



Year, Month

Todas

Image Class (groups)

Todas

Total Number of FOO Instances

**678**

Sum of FOO Accross Time

**18,80 ...**

Average FOO Value Per Instance

**27,73**

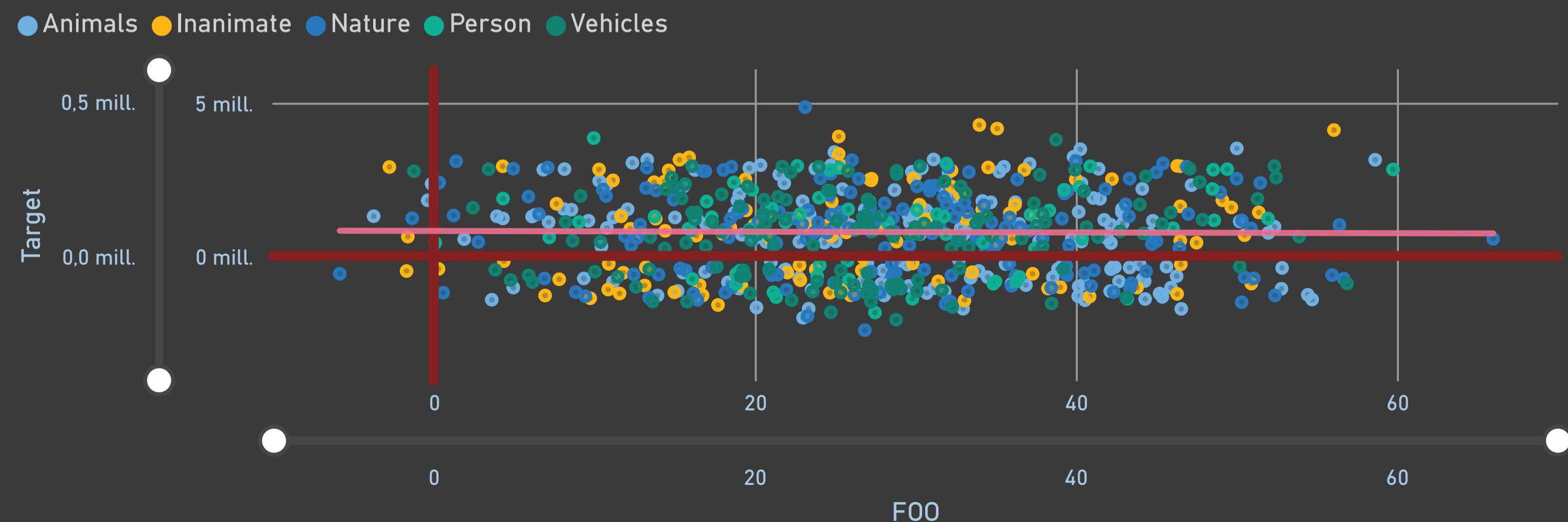
Max FOO

**66,00**

Min FOO

**-5,85**

## Target & Image Class Groups Relationship

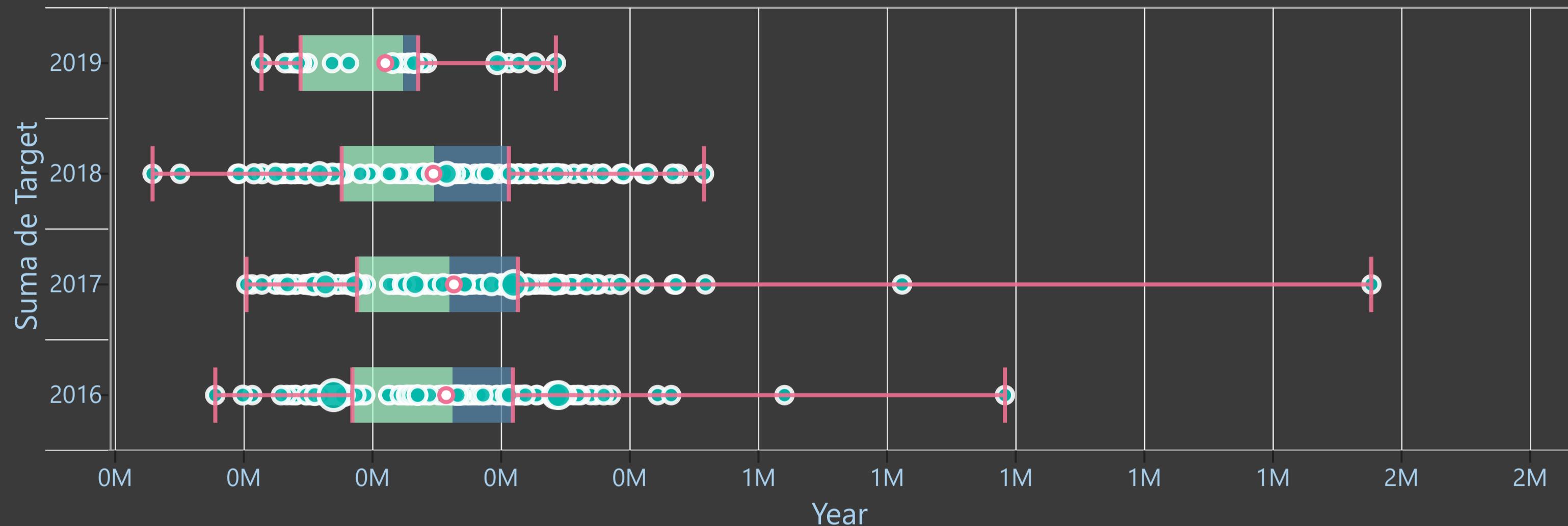


## FOO: Key Metrics

Year	Month	Image Class (groups)	Recuento de FOO	Mín.
2016	April	Vehicles	4	
2016	August	Vehicles	8	
2016	December	Vehicles	5	
2016	July	Vehicles	6	
2016	June	Vehicles	3	
2016	March	Vehicles	7	
2016	May	Vehicles	3	
2016	November	Vehicles	3	
2016	October	Vehicles	3	
Total				<b>678</b>

# Analysis of BOZ: Statistics, Trends, and Outliers

## Outliers in BOZ by Year



Year, Month

Todas

Image Class (groups)

Todas

Total Number of BOZ Instances

**678**

Sum of BOZ Accross Time

**1,99 mil**

Average BOZ Value Per Instance

**2,93**

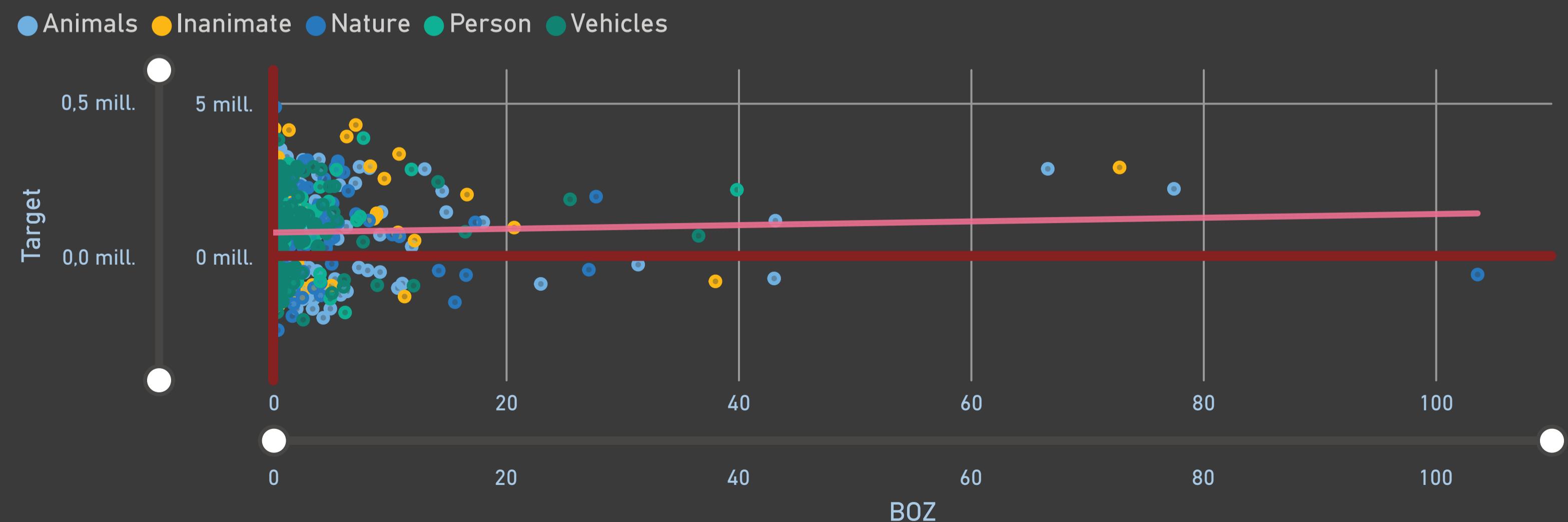
Max BOZ

**103,65**

Min BOZ

**0,02**

## Target & Image Class Groups Relationship

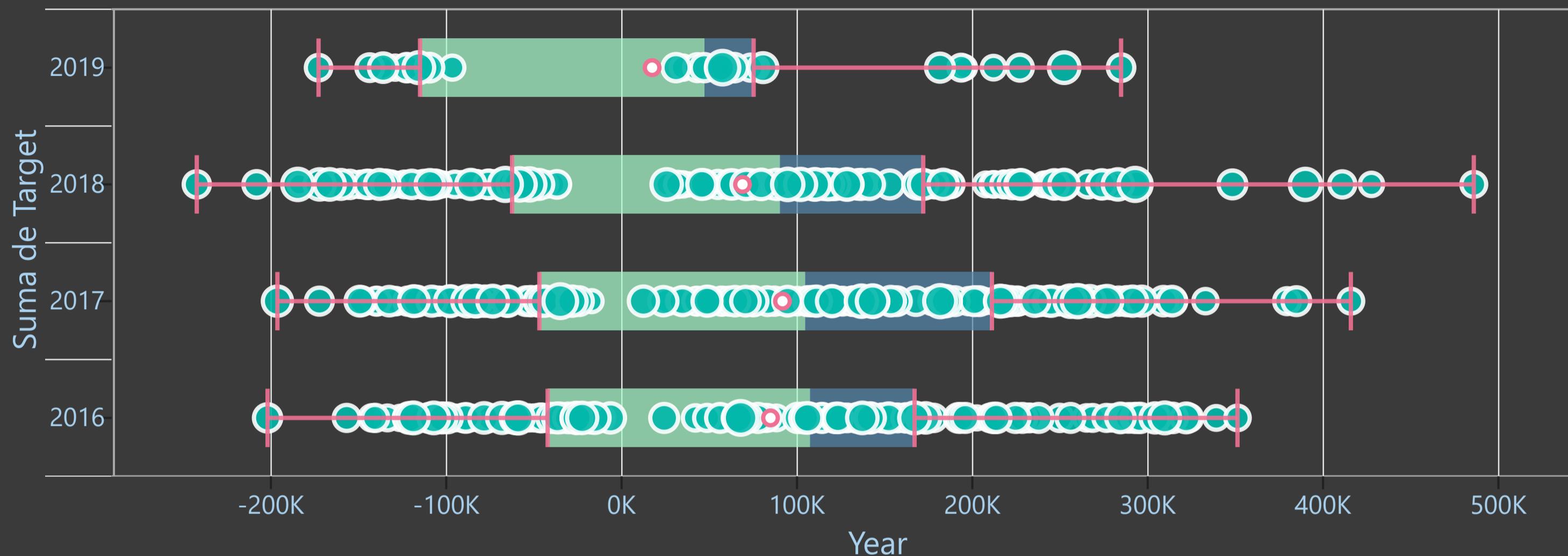


## BOZ: Key Metrics

Year	Month	Image Class (groups)	Recuento de BOZ	Mín.
2016	April	Vehicles	4	
2016	August	Vehicles	8	
2016	December	Vehicles	5	
2016	July	Vehicles	6	
2016	June	Vehicles	3	
2016	March	Vehicles	7	
2016	May	Vehicles	3	
2016	November	Vehicles	3	
2016	October	Vehicles	3	
Total				<b>678</b>

# Analysis of HRT: Statistics, Trends, and Outliers

## Outliers in HRT by Year



Year, Month

Todas

Image Class (groups)

Todas

Total Number of HRT Instances

**678**

Sum of HRT Accross Time

**-170,04...**

Average HRT Value Per Instance

**-250,80**

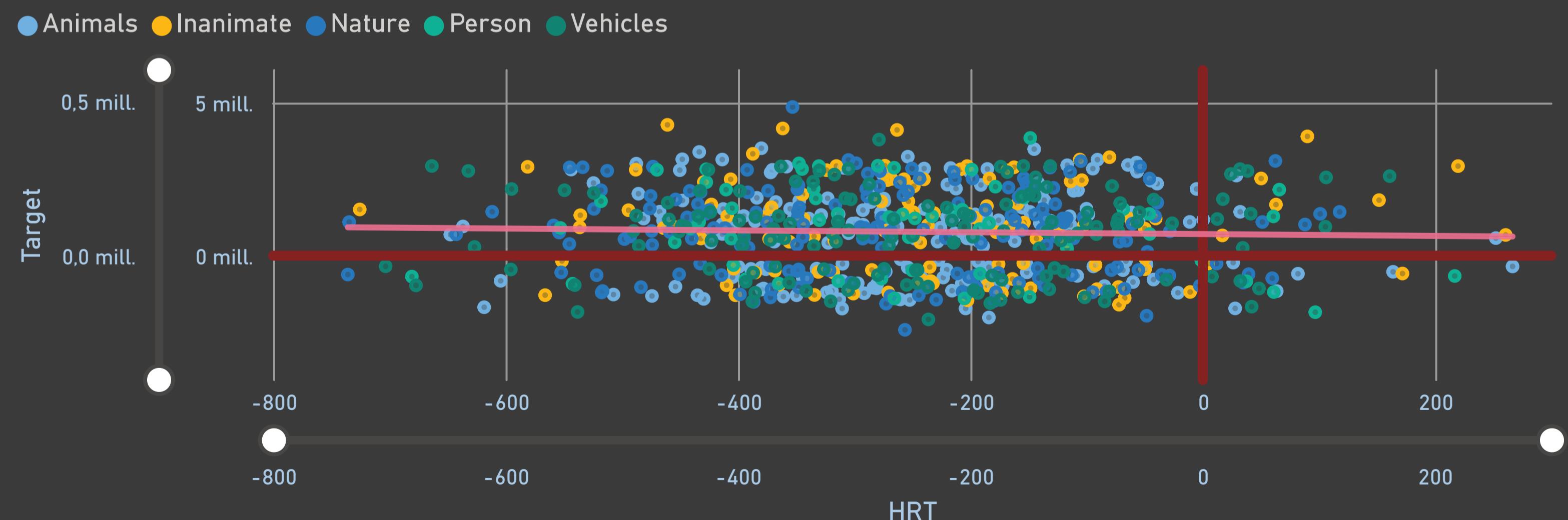
Max HRT

**266,57**

Min HRT

**-735,74**

## Target & Image Class Groups Relationship

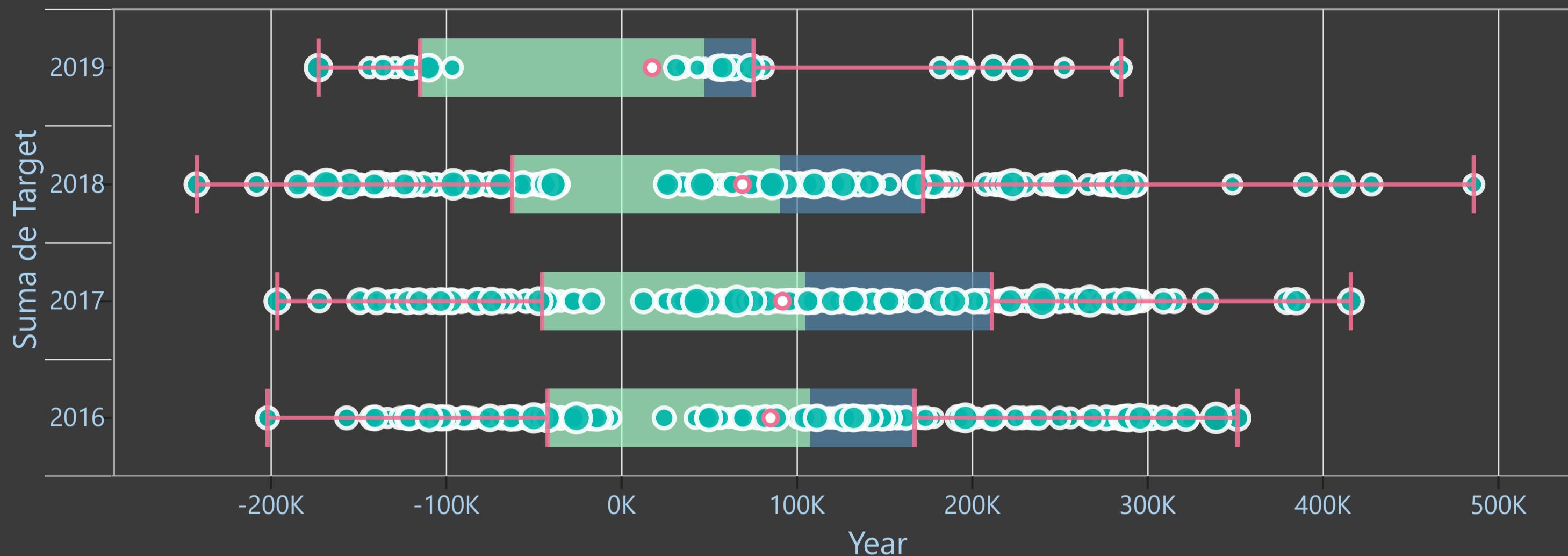


## HRT: Key Metrics

Year	Month	Image Class (groups)	Recuento de HRT	Mín.
2016	April	Vehicles	4	
2016	August	Vehicles	8	
2016	December	Vehicles	5	
2016	July	Vehicles	6	
2016	June	Vehicles	3	
2016	March	Vehicles	7	
2016	May	Vehicles	3	
2016	November	Vehicles	3	
2016	October	Vehicles	3	
Total				<b>678</b>

# Analysis of JUU: Statistics, Trends, and Outliers

## Outliers in JUU by Year



Year, Month

Todas

Image Class (groups)

Todas

Total Number of JUU Instances

**678**

Sum of JUU Accross Time

**147,99...**

Average JUU Value Per Instance

**218,27**

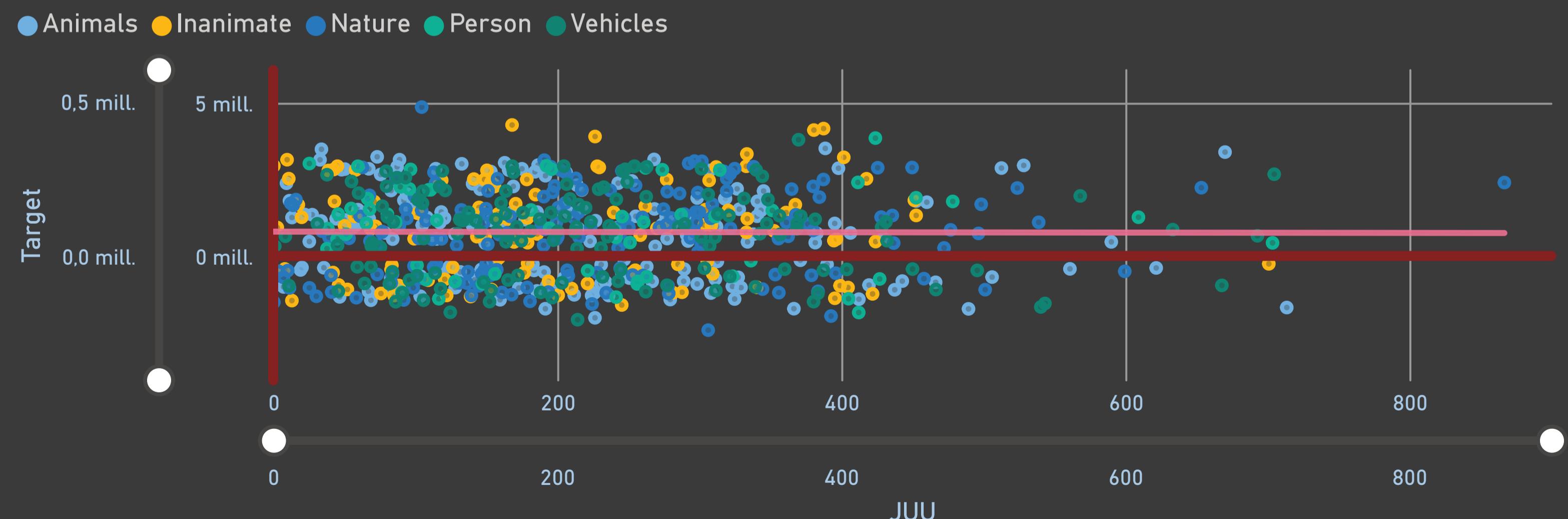
Max JUU

**266,57**

Min JUU

**-735,74**

## Target & Image Class Groups Relationship

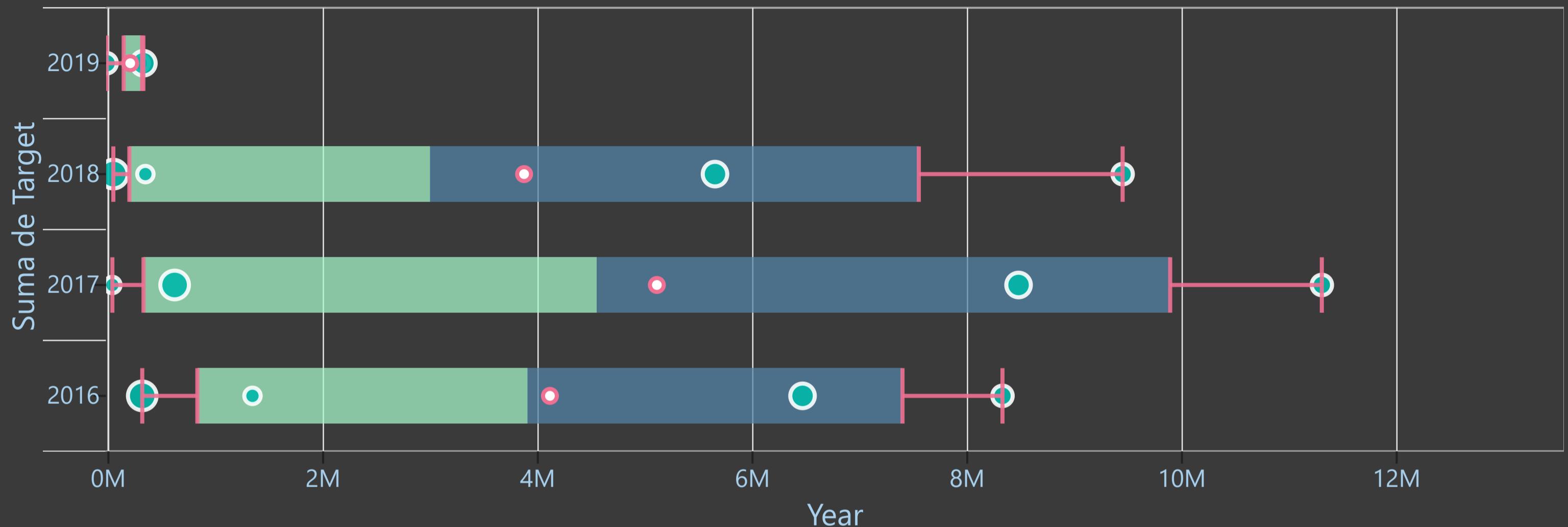


## JUU: Key Metrics

Year	Month	Image Class (groups)	Recuento de JUU	Mín.
2016	April	Vehicles	4	
2016	August	Vehicles	8	
2016	December	Vehicles	5	
2016	July	Vehicles	6	
2016	June	Vehicles	3	
2016	March	Vehicles	7	
2016	May	Vehicles	3	
2016	November	Vehicles	3	
2016	October	Vehicles	3	
Total				<b>678</b>

# Analysis of WSG: Statistics, Trends, and Outliers

## Outliers in JUU by Year



Year, Month

Todas

Image Class (groups)

Todas

Total Number of WSG Instances

**678**

Sum of WSG Accross Time

**9,30**

Average WSG Value Per Instance

**0,01**

Max WSG

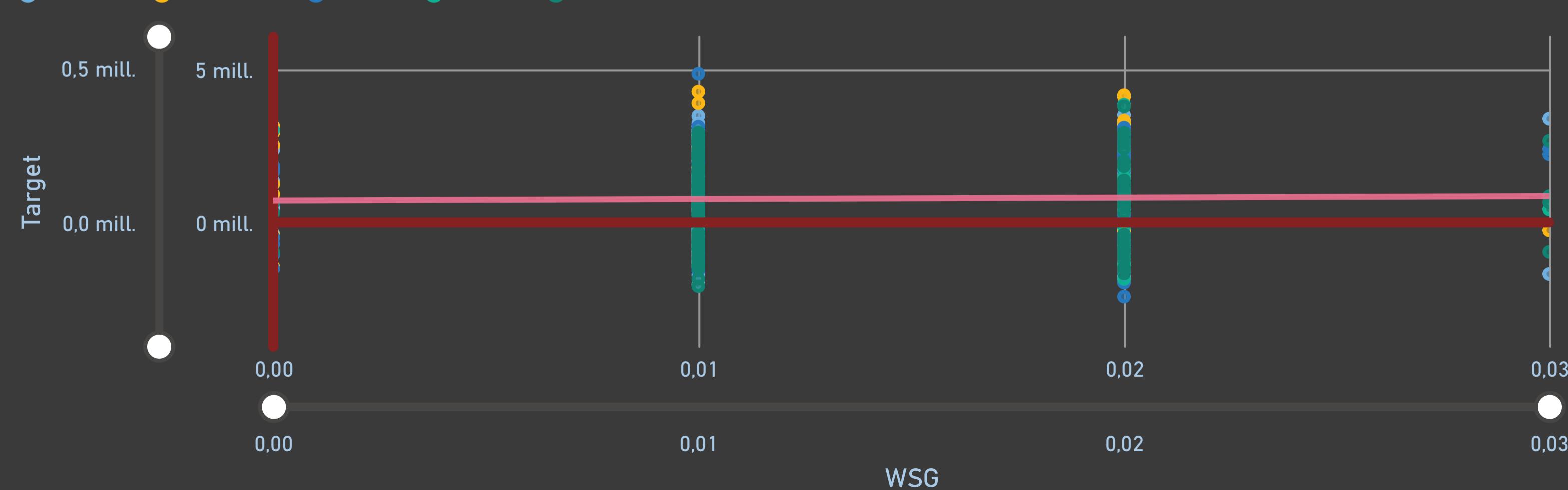
**0,03**

Min WSG

**0,00**

## Target & Image Class Groups Relationship

● Animals ● Inanimate ● Nature ● Person ● Vehicles



## WSG: Key Metrics

Year	Month	Image Class (groups)	Recuento de WSG	Mín.
2016	April	Vehicles	4	
2016	August	Vehicles	8	
2016	December	Vehicles	5	
2016	July	Vehicles	6	
2016	June	Vehicles	3	
2016	March	Vehicles	7	
2016	May	Vehicles	3	
2016	November	Vehicles	3	
2016	October	Vehicles	3	
Total				678