Figure 9: Average Number of Annotations per Focal Length Bin
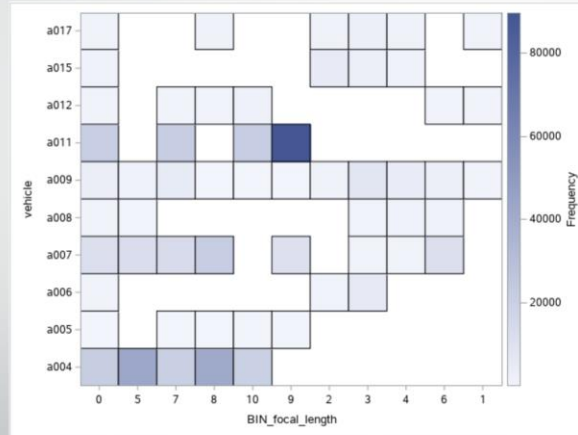
Question 1: Do Particular Sensor Calibrations Affect the Platform's Ability to Detect Objects?

Not CAM_FRONT_ZOOMED HPBIN Results focal_length (Bin=10)

Probably due to select vehicles being used for the data more than others.
What happens when we average the number of annotations?

## Question 1: Do Particular Sensor Calibrations Affect the Platform's Ability to Detect Objects?

Not CAM_FRONT_ZOOMED GLM (Tukey) Results focal_length (Bin=10)

Least Squares Means for effect BIN_focal_length
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: nbr_annotations

i/j	1	2	3	4	5	6	7	8	9	10	11
1		<.0001	<.0001	<.0001	<.0001	<.0001	0.6219	0.9998	0.0285	<.0001	0.8563
2	<.0001		0.9997	<.0001	<.0001	<.0001	0.0002	<.0001	<.0001	<.0001	<.0001
3	<.0001	0.9997		<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
4	<.0001	<.0001	<.0001		0.9985	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
5	<.0001	<.0001	<.0001	0.9985		<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
6	<.0001	<.0001	<.0001	<.0001	<.0001		<.0001	<.0001	0.3334	0.9925	0.0160
7	0.6219	0.0002	<.0001	<.0001	<.0001	<.0001		0.8944	0.0010	<.0001	0.0713
8	0.9998	<.0001	<.0001	<.0001	<.0001	<.0001	0.8944		0.0024	<.0001	0.4527
9	0.0285	<.0001	<.0001	<.0001	<.0001	0.3334	0.0010	0.0024		0.8589	0.9508
10	<.0001	<.0001	<.0001	<.0001	<.0001	0.9925	<.0001	<.0001	0.8589		0.1085
11	0.8563	<.0001	<.0001	<.0001	<.0001	0.0160	0.0713	0.4527	0.9508	0.1085	

BIN_focal_length	nbr_annotations LSMEAN	LSMEAN Number
0	60.6464358	1
1	64.2672548	2
2	64.7811634	3
3	68.536829	4
4	68.1732879	5
5	59.4634541	6
6	61.2658732	7
7	60.7864893	8
8	59.9688553	9
9	59.6678163	10
10	60.277468	11

Some significant differences between the mean number of annotations for each focal length.

Question 1: Do Particular Sensor Calibrations Affect the Platform's Ability to Detect Objects?

Not CAM_FRONT_ZOOMED HPBIN Results focal_length (Bin=10)
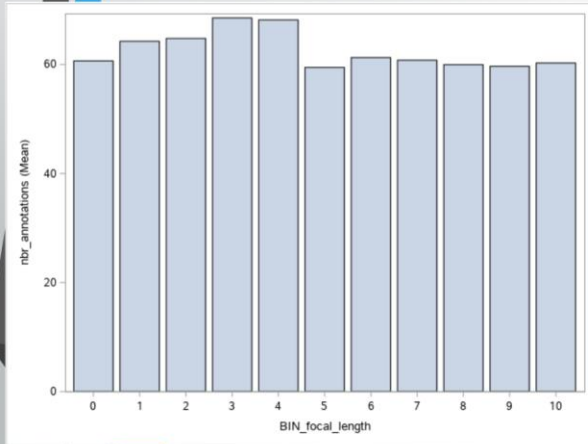
- Range of approximately 8.87 annotations between the highest and the lowest values (~14.86% of lowest mean)