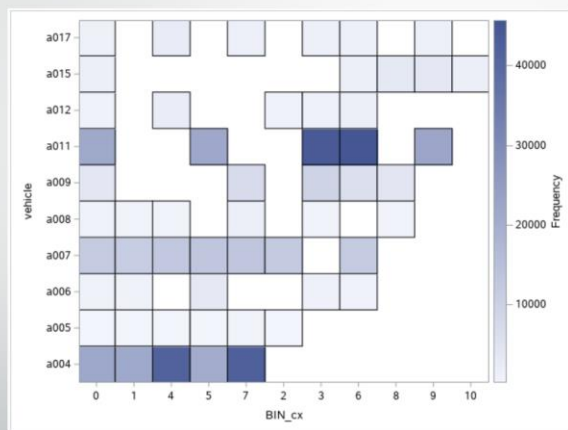# Figure 11: Average Number of Annotations per cx (Optical Center) Bin

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

Not CAM_FRONT_ZOOMED HPBIN Results cx (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 cx (Bin=10)

Least Squares Means for effect BIN_cx 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		0.7618	0.9993	0.0005	0.3078	0.5071	0.9999	<.0001	<.0001	0.9998	0.4432
2	0.7618		1.0000	<.0001	1.0000	1.0000	0.9699	<.0001	<.0001	0.5522	0.1702
3	0.9993	1.0000		0.0261	0.9999	1.0000	1.0000	0.0117	<.0001	0.9817	0.3154
4	0.0005	<.0001	0.0261		<.0001	<.0001	<.0001	1.0000	<.0001	0.1800	0.9816
5	0.3078	1.0000	0.9999	<.0001		1.0000	0.7333	<.0001	<.0001	0.2326	0.1286
6	0.5071	1.0000	1.0000	<.0001	1.0000		0.8921	<.0001	<.0001	0.3651	0.1532
7	0.9999	0.9699	1.0000	<.0001	0.7333	0.8921		<.0001	<.0001	0.9800	0.3393
8	<.0001	<.0001	0.0117	1.0000	<.0001	<.0001	<.0001		<.0001	0.0817	0.9885
9	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001		<.0001	<.0001
10	0.9998	0.5522	0.9817	0.1800	0.2326	0.3651	0.9800	0.0817	<.0001		0.6276
11	0.4432	0.1702	0.3154	0.9816	0.1286	0.1532	0.3393	0.9885	<.0001	0.6276	

BIN_cx	nbr_annotations LSMEAN	LSMEAN Number
0	60.6464358	1
1	60.2059035	2
2	60.367631	3
3	61.5648521	4
4	60.1338998	5
5	60.1931601	6
6	60.5146734	7
7	61.6290637	8
8	69.3897145	9
9	60.8323239	10
10	62.6007288	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 Optical Center (cx) (Bin=10)
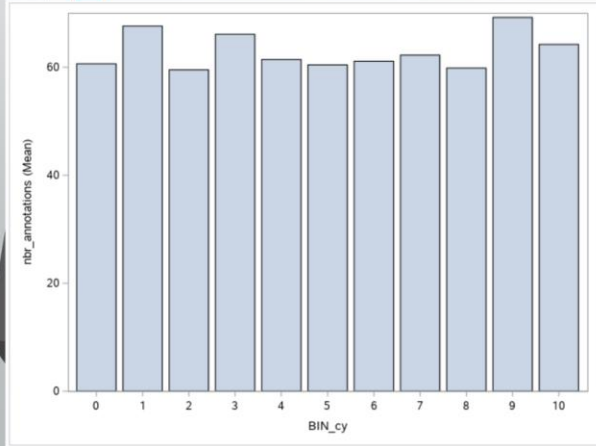
- Range of approximately 9.70 annotations between the highest and the lowest values (~16.30% of lowest mean).