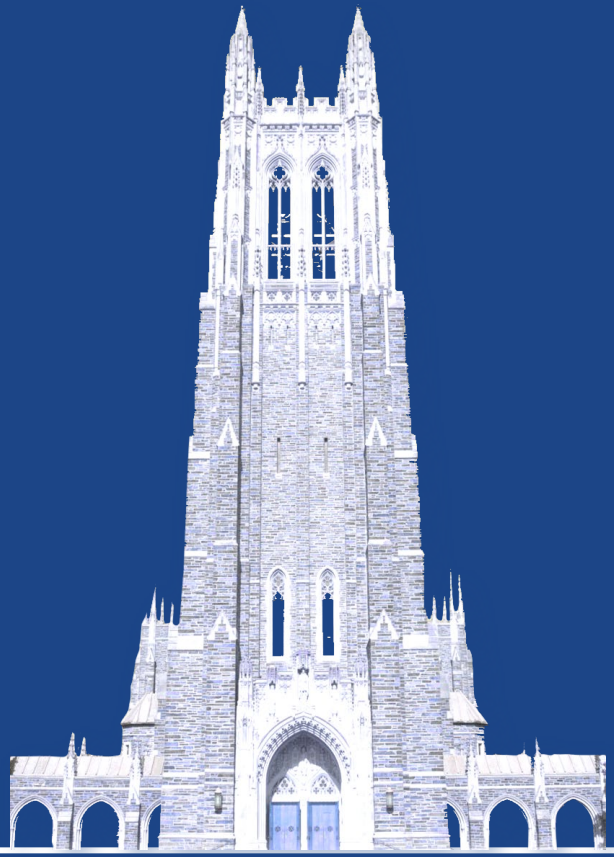
DIIG

Example Deliverable

My portion of an analysis for a Duke Impact Investing Group (DIIG) Data Team Spring 21 Deliverable. I created and presented the following slides (originally part of a larger, four-person presentation).



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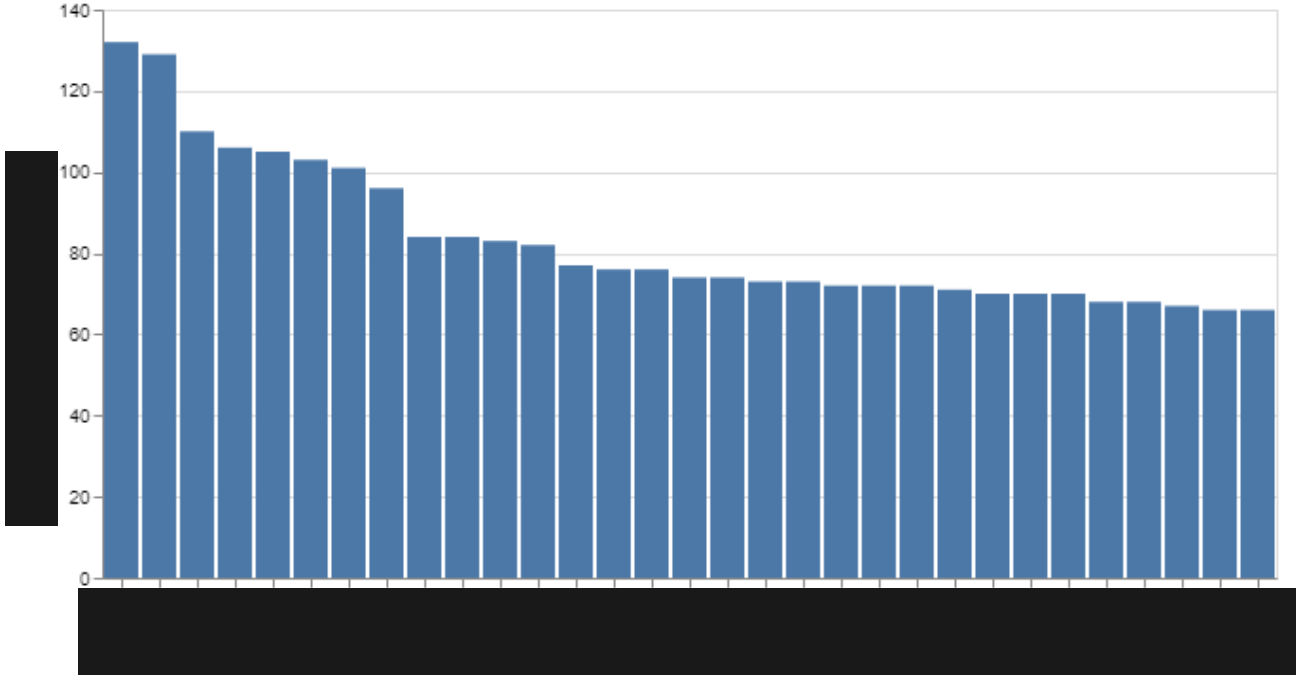

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mean	13.620000
std	19.009393
min	1.000000
25%	2.000000
50%	6.000000
75%	16.000000
max	132.000000

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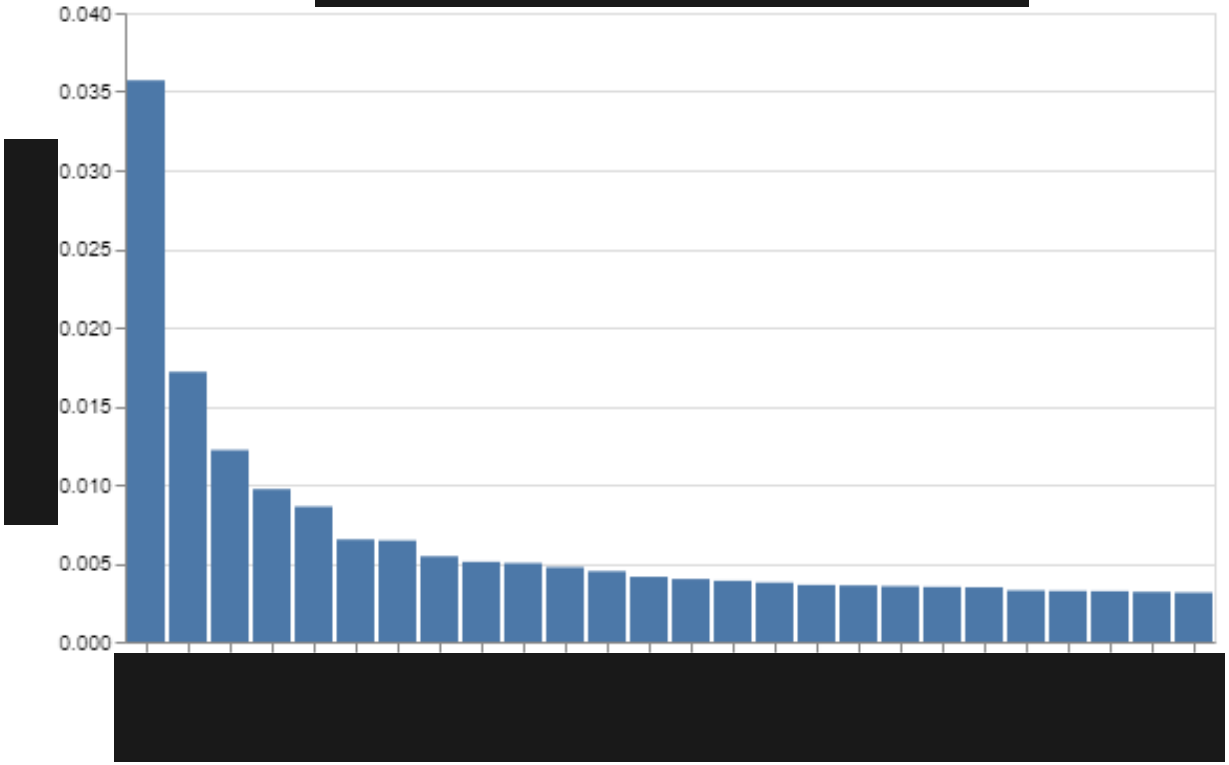

[redacted]

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count	950.000000
mean	0.000666
std	0.001597
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50%	0.000255
75%	0.000727
max	0.035714

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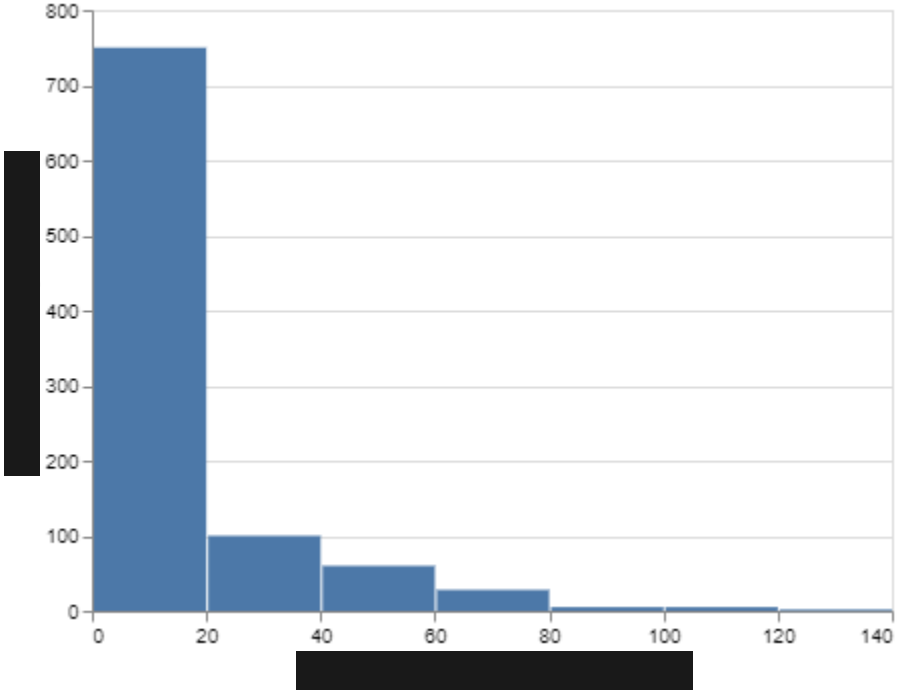

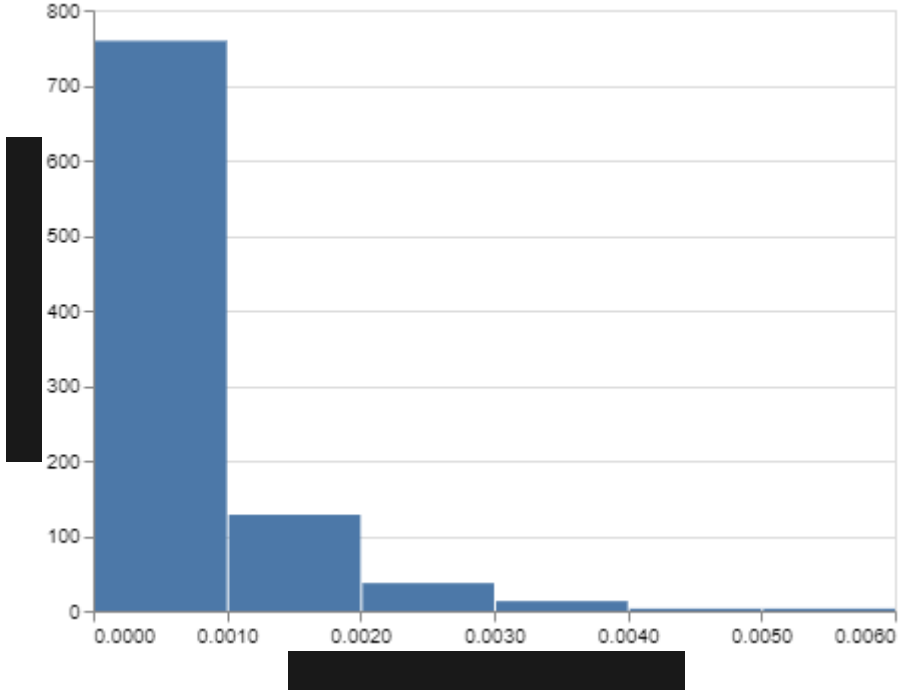

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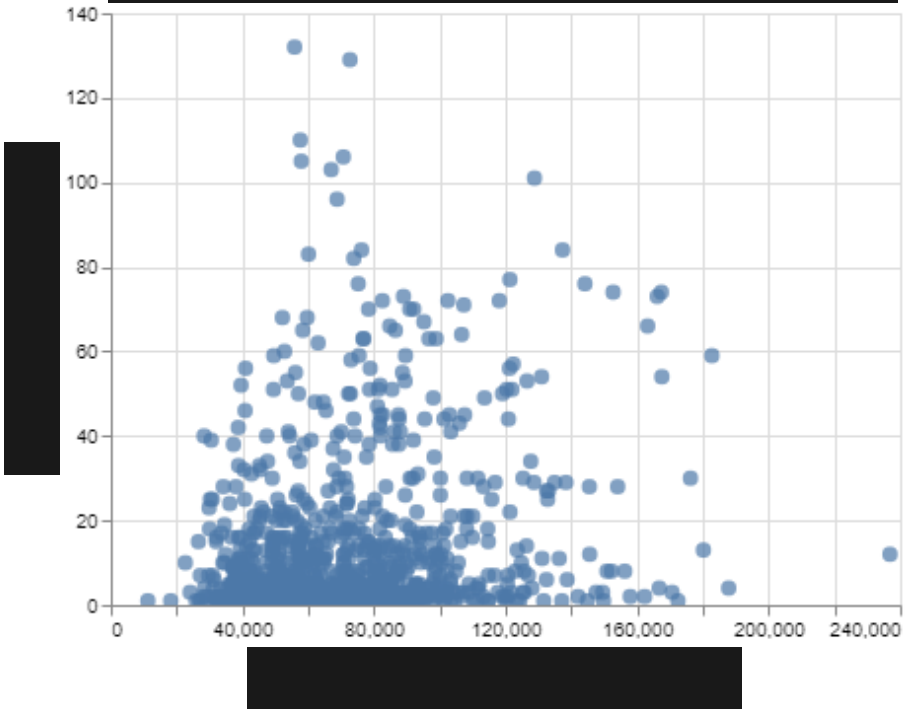

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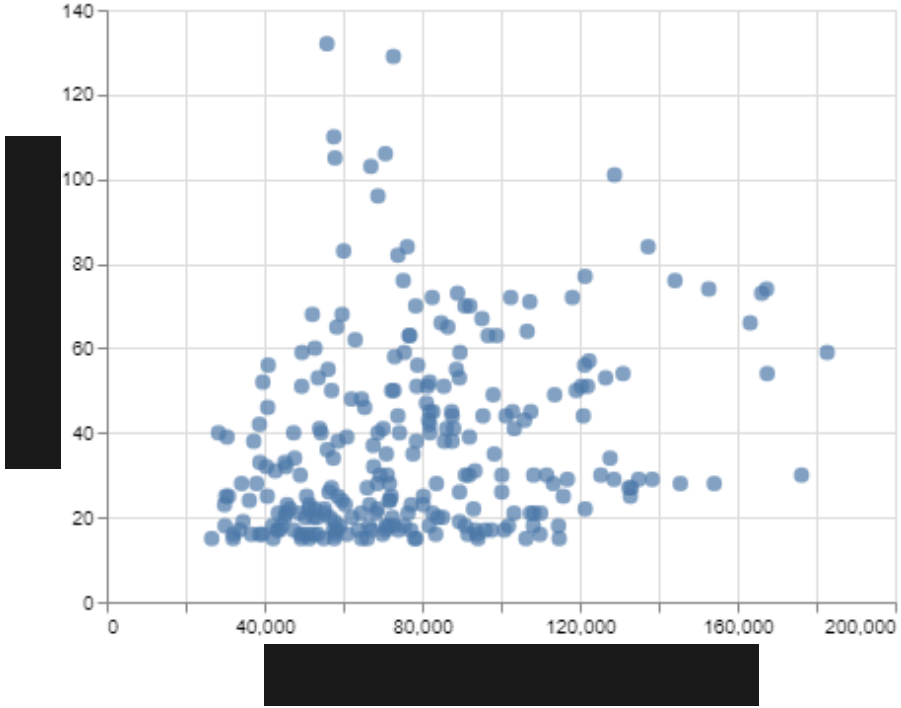

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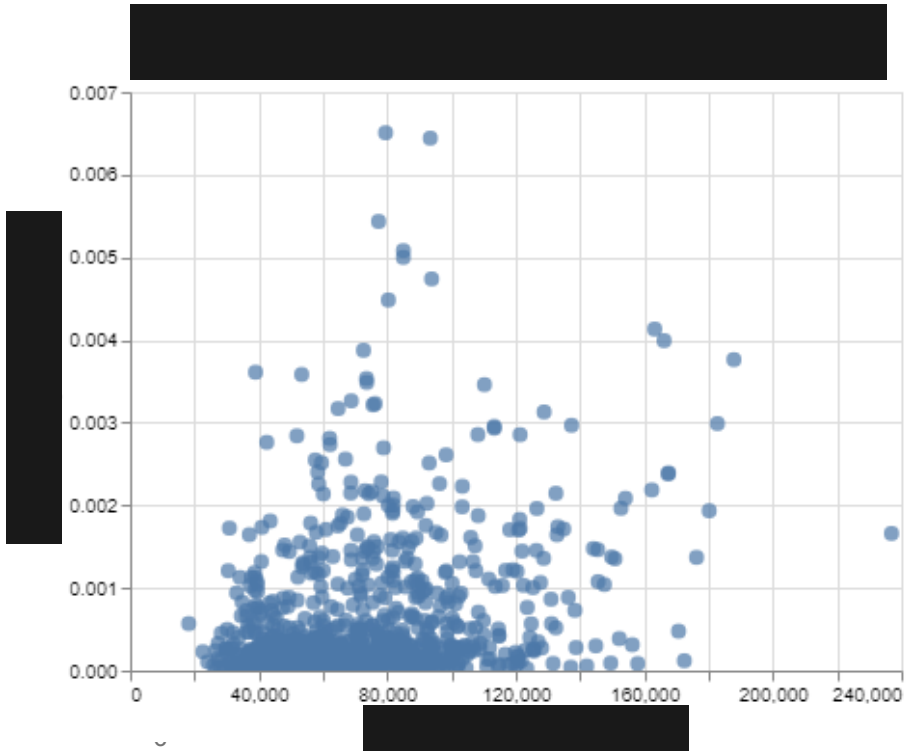

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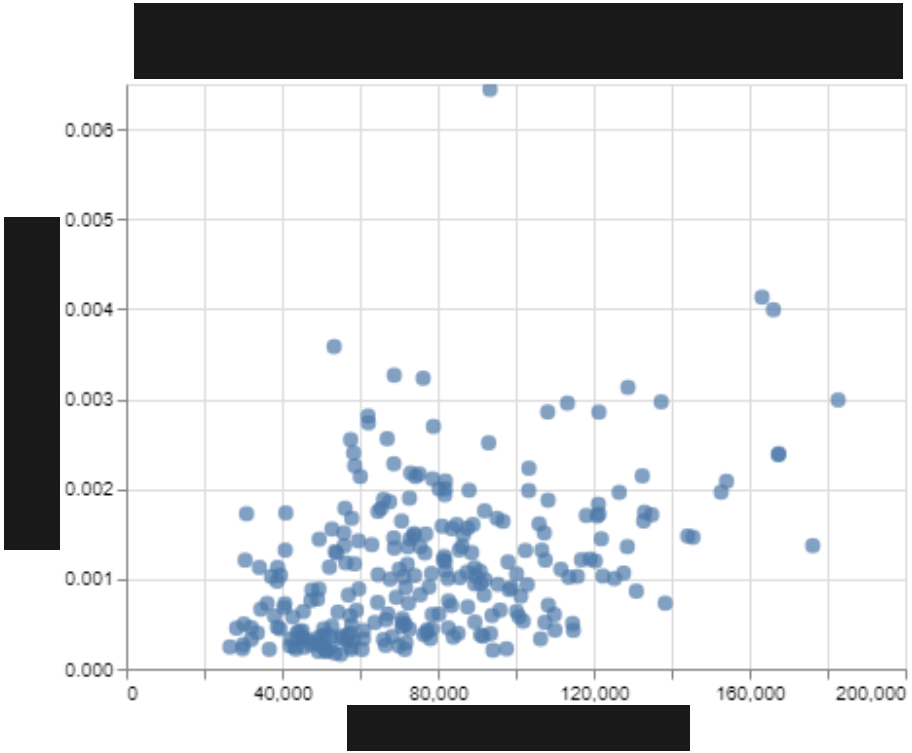

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Summary Statistics

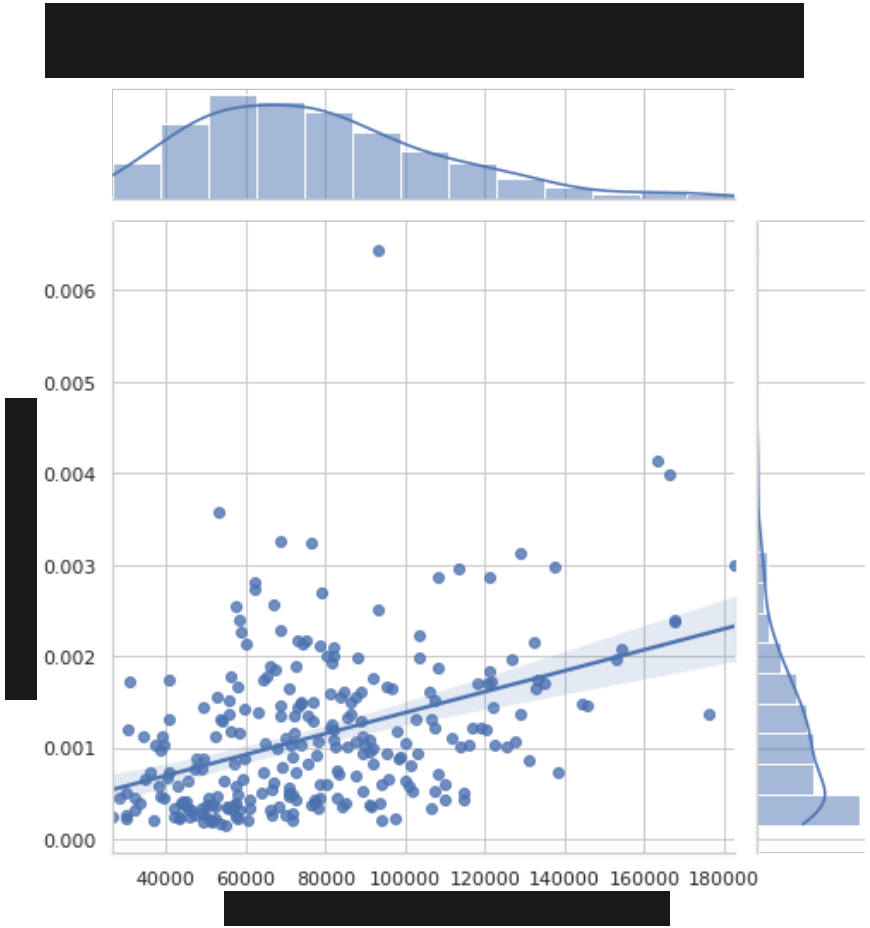
- R-squared: 0.176
- R: 0.42
- On average, an increase in $----- of ----- correlates to 1.145 more entries per 10,000 ---- in a given -----.

OLS Regression Results

Dep. Variable:	[redacted]	**R-squared:**	0.176
Model:	OLS	**Adj. R-squared:**	0.173
Method:	Least Squares	**F-statistic:**	55.66
Date:	Sat, 15 May 2021	**Prob (F-statistic):**	1.29e-12
Time:	15:58:01	**Log-Likelihood:**	1508.4
No. Observations:	262	**AIC:**	-3013.
Df Residuals:	260	**BIC:**	-3006.
Df Model:	1		
Covariance Type:	nonrobust		

	coef	std err	t	P>|t|	[0.025	0.975]
const	0.0002	0.000	1.840	0.067	-1.66e-05	0.000
Income	1.145e-08	1.54e-09	7.460	0.000	8.43e-09	1.45e-08

Omnibus:	128.445	**Durbin-Watson:**	1.395
Prob(Omnibus):	0.000	**Jarque-Bera (JB):**	774.589
Skew:	1.903	**Prob(JB):**	6.31e-169
Kurtosis:	10.515	**Cond. No.**	2.28e+05



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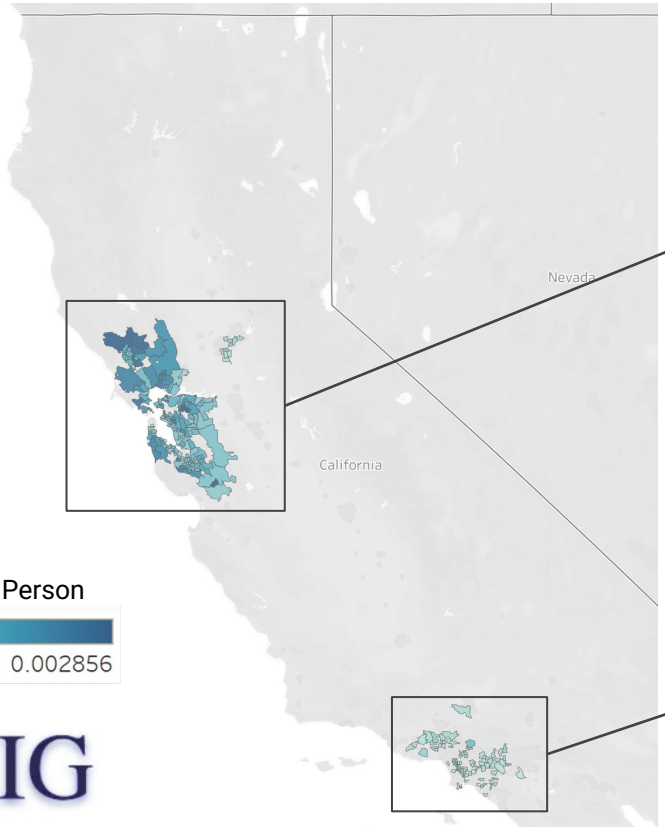

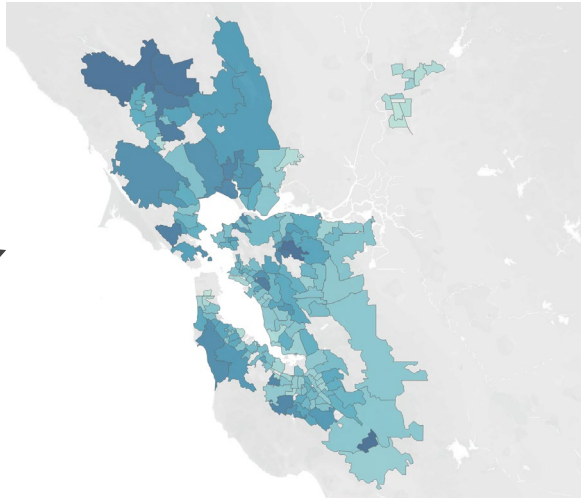

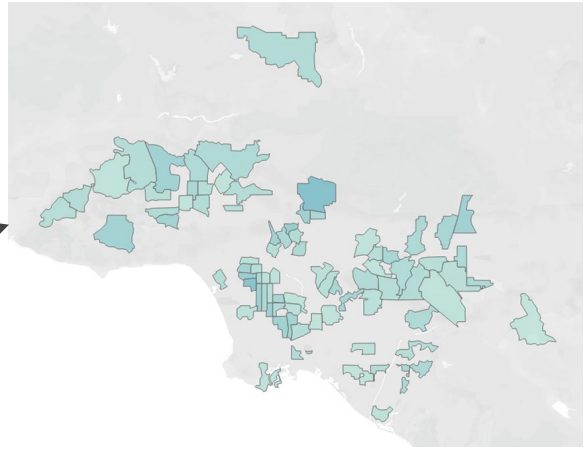

Entries per Person

0.000161 0.002856

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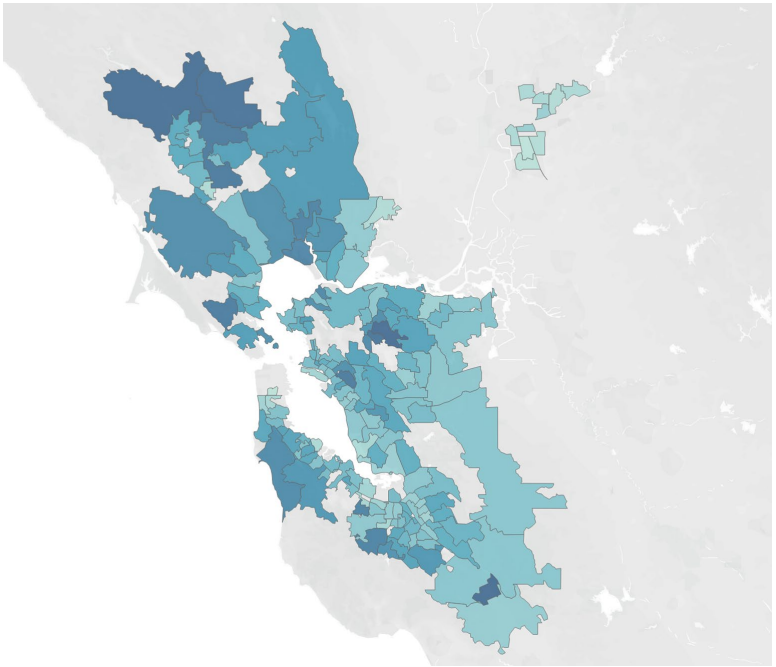

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0.000161 0.002856

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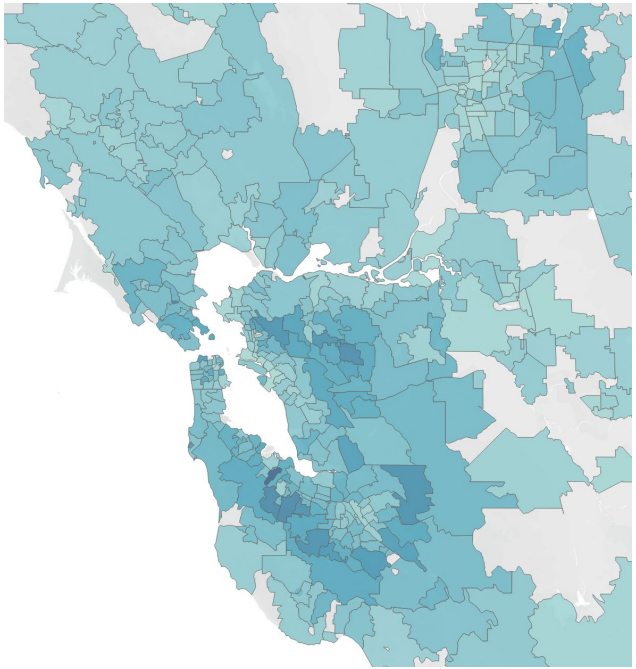

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11,250 236,912

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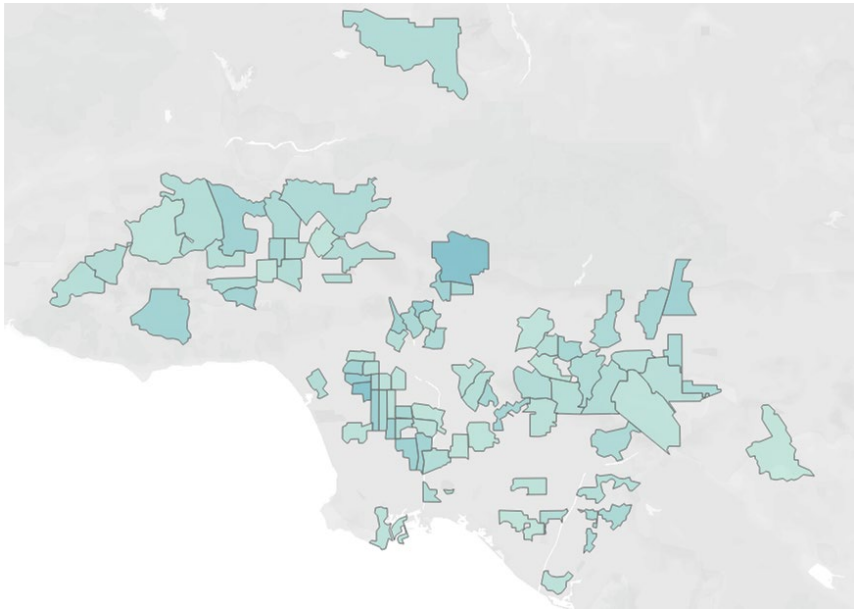

10

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0.000161 0.002856

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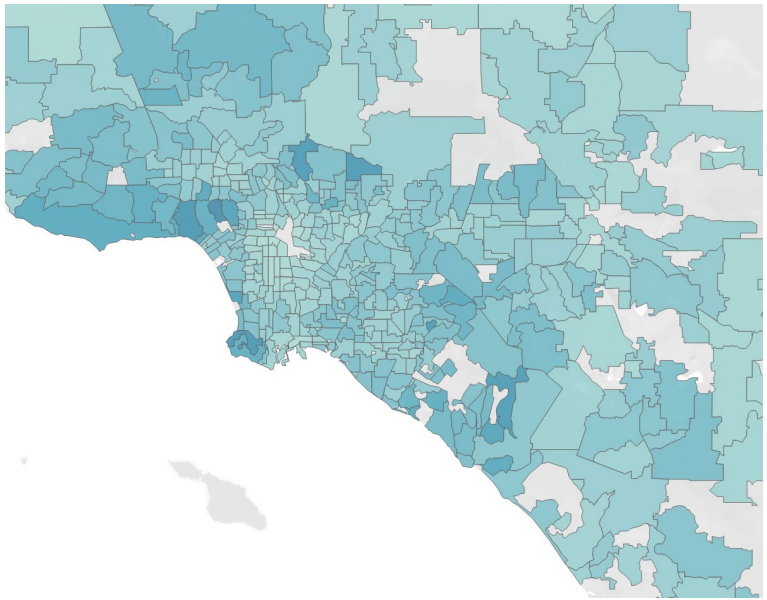

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11,250 236,912

Conclusion

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- -------- displays a modest positive, linear correlation with the number of ------- per ------ (excluding ------ with < 15 entries).
- If we assume median --------s display a proportional relationship with median ----------, this **confirms the preexisting ranking value** for ---------- ----------.
  - Our R^2 value is **0.173** which approximately equals the **15%** value used in the ranking model to account for ---------.
  - Precisely, excluding --------- ------- with less than 15 entries, median ----- accounts for 17.3% of the variability in number of potential ------ entries.
- We thus conclude it is best to focus marketing in higher ------ ----.