Housing Market Strategy Research

Names of your Group Members

Due Date

Code and data supporting this analysis is available at:
https://github.com/ElricL/Housing-Market-Strategy.git

Abstract

Here is where you give a brief (one paragraph overview of your entire paper). This should include some background/introduction, some methodology, results and conclusions.

Introduction

Here is where you should give insight into the setting and introduce the goal of the analysis. Here you can introduce ideas and basic concepts regarding the study setting and the potential model. Again, this is the introduction, so you should be explaining the importance of the work that is ahead and hopefully build some suspense for the reader. You can also highlight what will be included in the subsequent sections.

Data

Introduce the data, explain why it was selected. Make sure to comment on important features and highlight any potential drawbacks to the data.

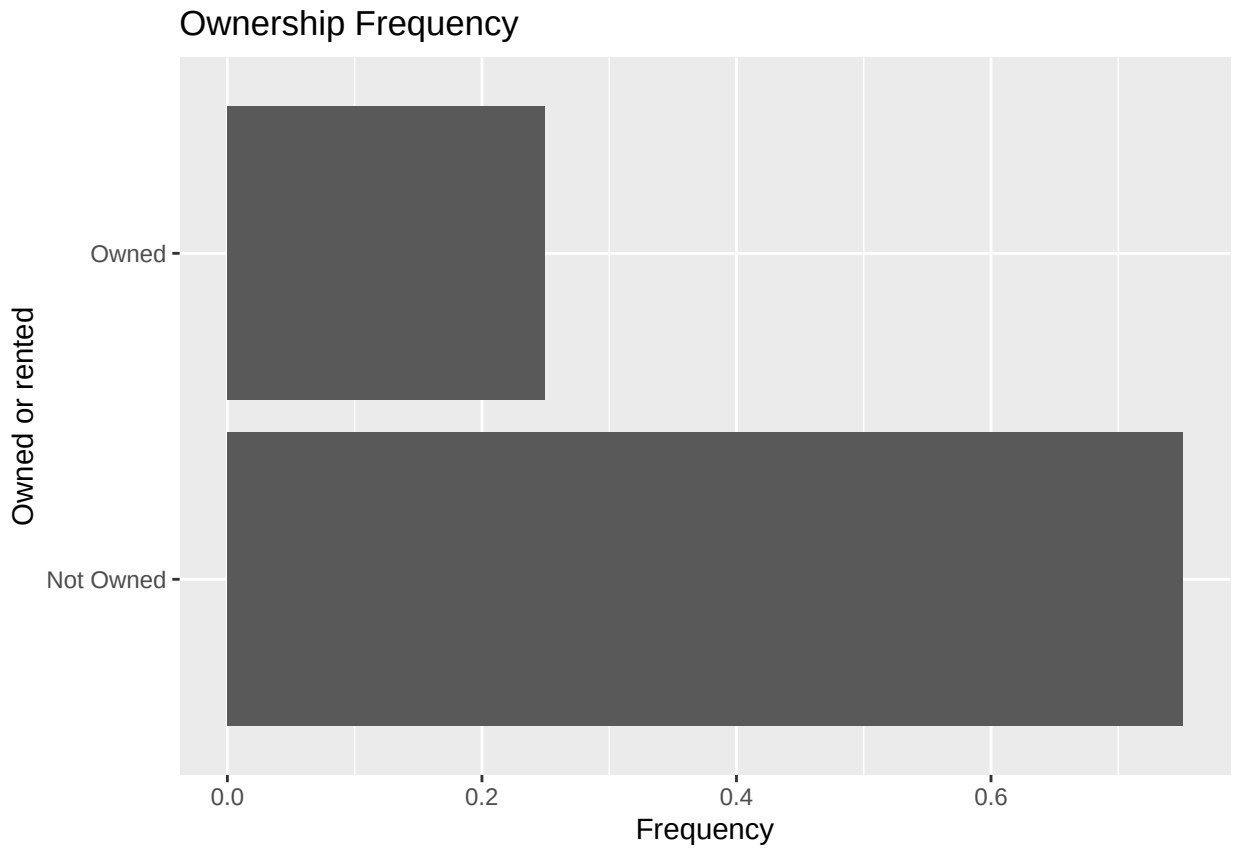

Figure 1: We are interested in finding common characteristics from house owners and non-owners (i.e. what makes a person likely go to each bar), to build a strategy in finding new potential customers)

Model

Model:

Table 1: Table continues below

	Estimate	Std. Error	t value
(Intercept)	0.5647	0.5289	1.068
as.factor(income_family)$125,000 and more	0.4434	0.09614	4.612
as.factor(income_family)$25,000 to $49,999	-1.668	0.09076	-18.38
as.factor(income_family)$50,000 to $74,999	-1.104	0.09013	-12.25
as.factor(income_family)$75,000 to $99,999	-0.5171	0.09441	-5.477
as.factor(income_family)Less than $25,000	-1.912	0.1054	-18.14
total_children	0.07411	0.02177	3.405
age	0.02663	0.001917	13.89
as.factor(average_hours_worked)0.1 to 29.9 hours	-0.1981	0.5107	-0.3879
as.factor(average_hours_worked)30.0 to 40.0 hours	-0.4053	0.5092	-0.7959
as.factor(average_hours_worked)40.1 to 50.0 hours	-0.09036	0.513	-0.1761
as.factor(average_hours_worked)50.1 hours and more	-0.0273	0.5161	-0.05289

	Estimate	Std. Error	t value
as.factor(marital_status)Living common-law	0.2051	0.09809	2.091
as.factor(marital_status)Married	0.7116	0.08558	8.315
as.factor(marital_status)Separated	0.0951	0.1327	0.7166
as.factor(marital_status)Single, never married	0.09552	0.09233	1.035
as.factor(marital_status)Widowed	0.5978	0.1668	3.584

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(Intercept)	0.2856
as.factor(income_family)$125,000 and more	4.024e-06
as.factor(income_family)$25,000 to $49,999	1.583e-74
as.factor(income_family)$50,000 to $74,999	2.602e-34
as.factor(income_family)$75,000 to $99,999	4.414e-08
as.factor(income_family)Less than $25,000	1.127e-72
total_children	0.0006645
age	1.513e-43
as.factor(average_hours_worked)0.1 to 29.9 hours	0.6981
as.factor(average_hours_worked)30.0 to 40.0 hours	0.4261
as.factor(average_hours_worked)40.1 to 50.0 hours	0.8602
as.factor(average_hours_worked)50.1 hours and more	0.9578
as.factor(marital_status)Living common-law	0.03652
as.factor(marital_status)Married	1.012e-16
as.factor(marital_status)Separated	0.4737
as.factor(marital_status)Single, never married	0.3009
as.factor(marital_status)Widowed	0.0003402

Quitting from lines 65-77 (Housing-Market-Report.Rmd) Error in data.frame(Observations = length(x$residuals), 'Residual St
$x$sigma, : arguments imply differing number of rows: 1, 0 Calls: ... pandoc.table -> cat -> pandoc.table.return -> data.frame In addition: Warning message: In if (class(x) == "summary.glm") { : the condition has length > 1 and only the first element will be used

Results