

Causes for Eviction Notices in Assorted Neighborhoods of San Francisco

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Abstract

Renter eviction leads to the displacement of families and an influx of people at the homeless shelters.

1 Data Collection

We downloaded data on eviction statistics from SF OpenData and counted each of the reasons for eviction with a program we designed and created using C++. For some of these expected counts, the data was less than five so we were unable to incorporate it in our testing. After separating the data into eleven districts based off location, we performed χ^2 Data Tests for Homogeneity using the valid counts.

2 Data Context

here we explain what the various eviction reasons are, and show maps of San Francisco containing all the neighborhoods split up into regions

Categories:

Tenant Action	nonpayment, breach, nuisance, illegal, unapproved subtenant, latepay
Landlord Action	failsignrenew, owner move in, capital improvement, substantial rehab, roommate same unit
Development	demolition, ellis act withdrawal, condo conversion
Just Cause	nonpayment, latepayment, breach of lease, ownermovein, capitalimprovement, ellisactwithdrawal, nuisance, illegal, demolition

can also talk about the legal issues with the landlord tenant relationship

3 Analysis

3.1 Summary Statistics

This table and section is for testing.

4 Inferential Procedures

4.1 District 1

Neighborhoods | Inner Richmond, Lone Mountain, Outer Richmond

Reason	χ^2	df	p-Value
Tenant Action	15.1570	10	0.1264
Landlord Action	10.4669	6	0.1062
Development	0.9854	2	0.6110
Just Cause Removal	39.9610	16	0.0008

For District 1, there was homogeneity shown in tenant action, landlord action, and development, however there was not homogeneity shown in just cause removal.

how to illustrate p values, df, chi statistic in beautiful way

4.2 District 2

Neighborhoods | Seacliff, Presidio Heights, Marina, Russian Hill, Pacific Heights

Reason	χ^2	df	p-Value
Tenant Action	45.4120	15	0.0001
Landlord Action	11.8037	6	0.0665
Development	0.3398	6	0.9993
Just Cause Removal	127.1146	24	0.0000

4.3 District 3

Neighborhoods | North Beach, Nob Hill

Reason	χ^2	df	p-Value
Tenant Action	8.0298	5	0.1955
Landlord Action	2.2699	3	0.7037
Development	0.0000	1	1.0000
Just Cause Removal	19.6549	8	0.0117

4.4 District 5

Neighborhoods | Haight Ashbury, Hayes Valley, Western Addition

Reason	χ^2	df	p-Value
Tenant Action	32.491	10	0.0003
Landlord Action	10.671	6	0.0991
Development	0.9271	4	0.9206
Just Cause Removal	111.3054	16	0.0000

4.5 District 6

Neighborhoods | Tenderloin, South of Market, Financial District/South Beach, Mission Bay

Reason	χ^2	df	p-Value
Tenant Action	46.9304	4	0.0000
Landlord Action	0.0000	-2	1.0000
Development	0.0000	-2	1.0000
Just Cause Removal	63.8182	4	0.0000

4.6 District 8

Neighborhoods | Noe Valley, Glen Park, Twin Peaks

Reason	χ^2	df	p-Value
Tenant Action	10.5992	2	0.0050
Landlord Action	1.1193	0	1.0000
Development	1.1314	0	1.0000
Just Cause Removal	37.6297	6	0.0000

4.7 District 9

Neighborhoods	Portola, Bernal Heights/ Bernal North/ Bernal South, Mission/ Inner Mission			
Reason	χ^2	df	p-Values	
Tenant Action	12.4686	6	0.0523	
Landlord Action	1.3052	2	0.5207	
Development	19.1170	0	1.0000	
Just Cause Removal	133.8546	12	0.0000	

4.8 District 10

Neighborhoods	Visitacion valley/Bayview Heights, Bayview Valley, Huner's Point, Portero Hill			
Reason	χ^2	df	p-Value	
Tenant Action	3.8906	4	0.4210	
Landlord Action	1.5766	1	0.3173	
Development	0.0000	-1	1.0000	
Just Cause Removal	8.6997	5	0.1640	

4.9 District 11

Neighborhoods	Oceanview/Merced/Ingleside, Outer Mission, Excelsior			
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Reason	χ^2	df	p-Value
Tenant Action	23.1291	8	0.0032
Landlord Action	2.2277	2	0.3283
Development	3.8359	2	0.1469
Just Cause Removal	30.6304	14	0.0062

5 Conclusion

sdfsdaasdf

A Source code

```
1 #include <iostream>
2
3 int main()
4 {
5     std::cout < S"dF" << SDF"";endl;
6 }
```

B Data source