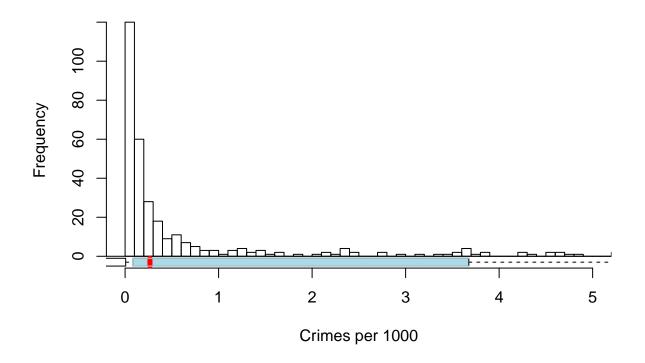
# Lab3 Subhashini R., Lei Yang, Ron Cordell April 12, 2016

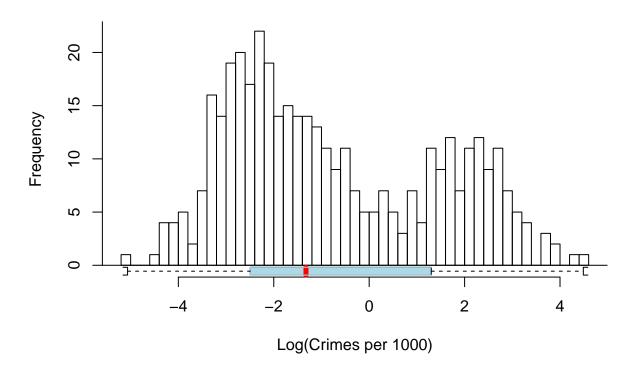
Table 1:

Statistic	N	Mean	St. Dev.	Min	Max
crimeRate_pc	400	3.763	8.872	0.006	88.976
nonRetailBusiness	400	0.112	0.070	0.007	0.277
withWater	400	0.068	0.251	0	1
ageHouse	400	68.932	27.977	2.900	100.000
distanceToCity	400	9.638	8.786	1.228	54.197
distanceToHighway	400	9.582	8.672	1	24
pupilTeacherRatio	400	21.391	2.168	15.600	25.000
pctLowIncome	400	15.795	9.341	2	49
homeValue	400	499,584.400	196,115.700	112,500	1,125,000
pollutionIndex	400	40.615	11.825	23.500	72.100
nBedRooms	400	4.266	0.719	1.561	6.780

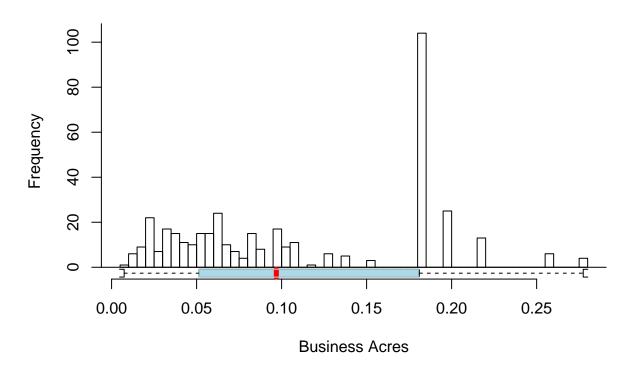
#### Histogram of Crime Rate per Capita



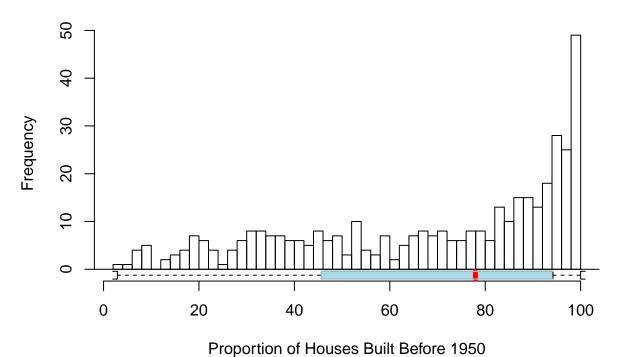
#### Histogram of Log Crime Rate per Capita



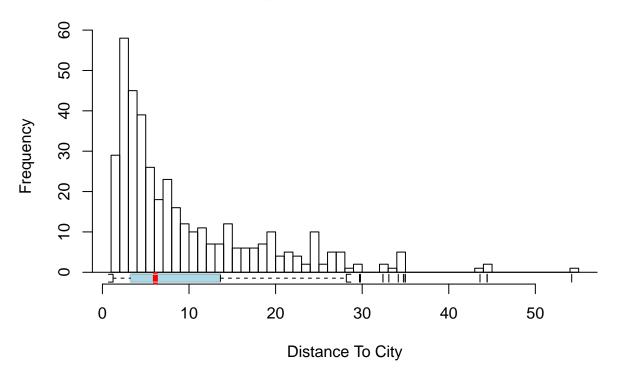
#### Frequency of Non-retail Business Acres



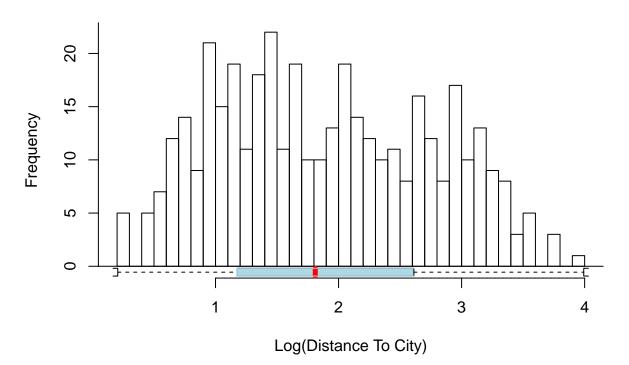
#### **Histogram of Proportion of Houses Built Before 1950**



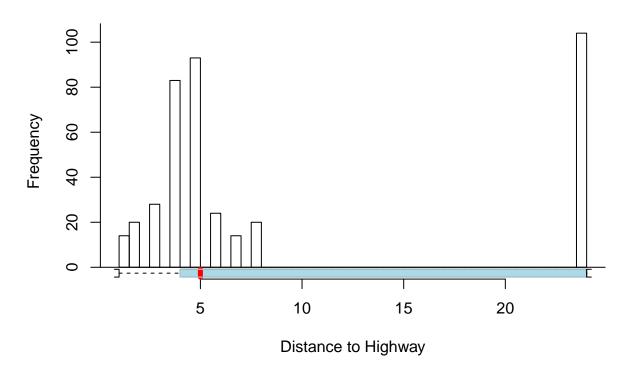
# **Histogram of Distance to City**



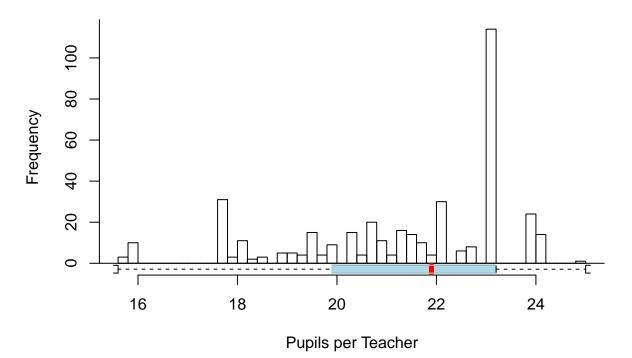
# **Histogram of Log(Distance to City)**



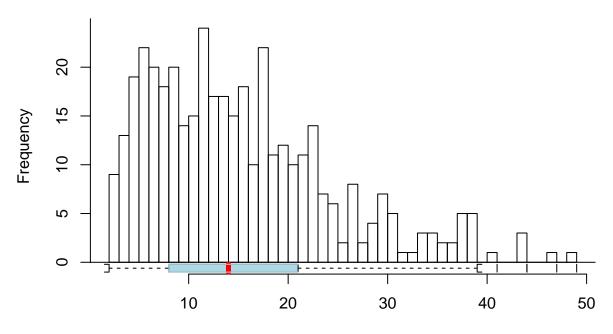
#### **Distance To Highway**



# **Frequency of Pupil to Teacher Ratio**

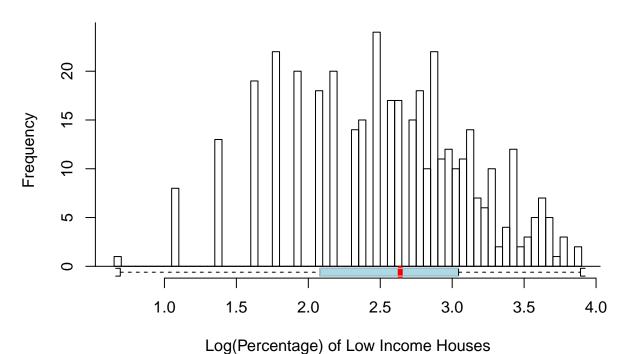


#### **Frequency of Low Income Housing**



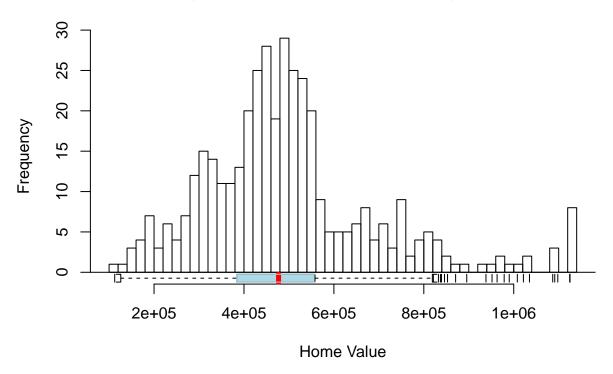
Percentage of Low Income Houses

#### Frequency of Log(% Low Income Housing)

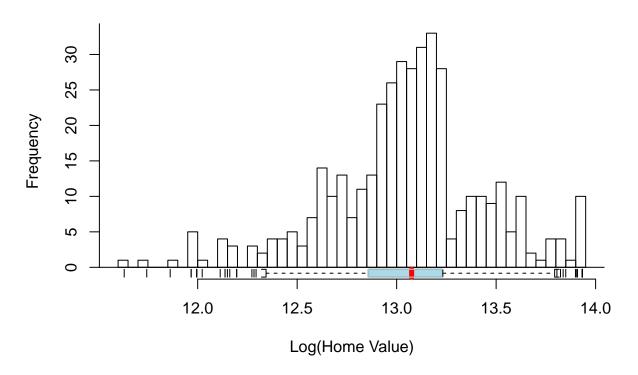


3 /

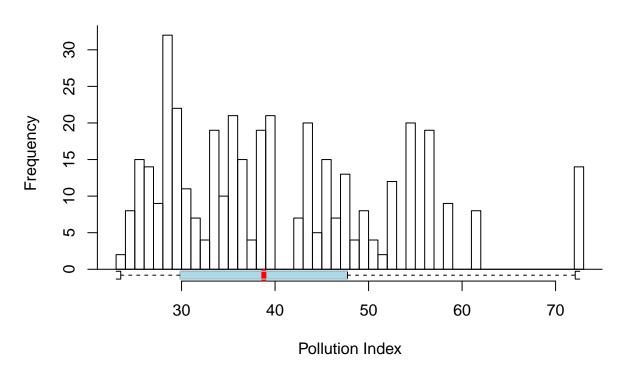
#### Histogram of Home Values per Neighborhood



#### Histogram of Log(Home Values) per Neighborhood



# **Distribution of Pollution Index Across Neighborhoods**



Data Set Variable Scatterplot Matrix

