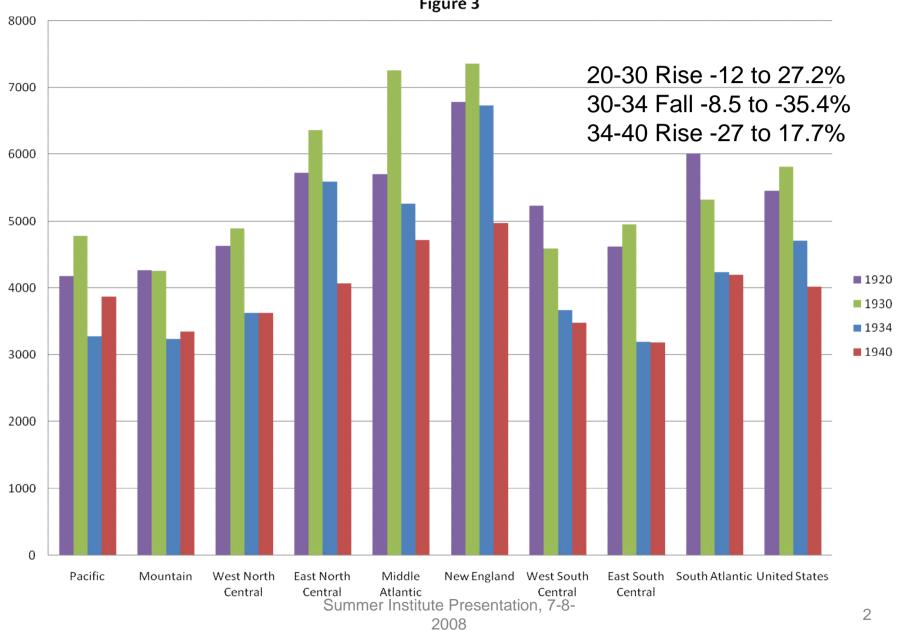
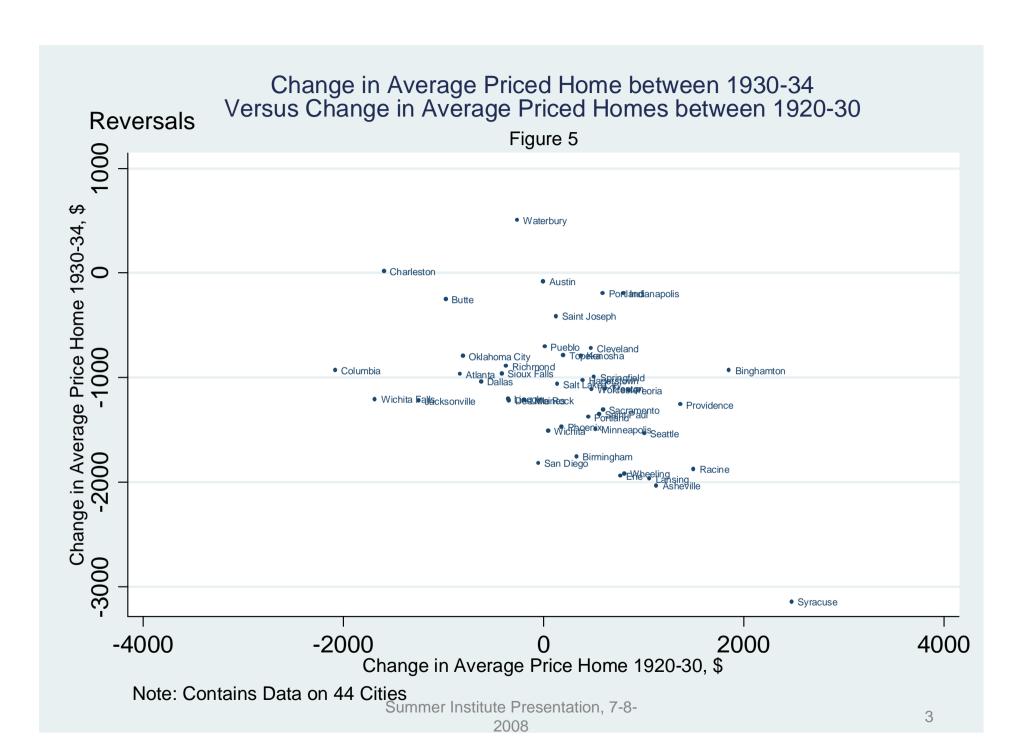
# The Housing Roller Coaster

A Preliminary Exploration of Fluctuations in Urban Housing Markets in the 1920s and 1930s

Trevor Kollmann, Jaret Treber, Price Fishback, and Shawn Kantor

Average Home Values in the United States by U.S. Census Region (45 Cities) Figure 3





## Summary Statistics CWA Sample Table 1

Variable	Obs	Mean	SE	Min	Max
Change in the Average Values of Homes	4.4	1112	GE A	2442	E0E
between 1930 - 34	44	-1143	654	-3142	505
Average Value of Mortgaged Homes in 1920 Change in the Average Values of Homes	) 44	5104	1153	2522	7788
between 1920 - 30	44	245	897	-2079	2480
Manufacturing Earnings per Employee, 1929	) 44	1282	187	823	1690
Growth Rate of Manufacturing Earnings Per					
Mfg Employee, 1929-33	44	-0.38	0.11	-0.70	-0.21
Growth Rate of Average Number of Mfg					
Earners, 1929-33	44	-0.37	0.20	-0.80	0.23
Percent FDIC Banks Suspended from 1930-	32,				
Base Year = 1929	44	24.96	15.06	0.00	62.50
Per Capita Tax Returns, 1929	44	0.04	0.01	0.01	0.07
Change in Tax Returns, 1933 - 1929	44	0.00	0.01	-0.04	0.01
Unemployment as Percent of Population, 19	30 44	2.29	0.88	0.79	4.60
Layoffs as Percent of Population, 1930	44	0.67	0.45	0.17	2.42
Percent Illiterate, 1930  Summer Institute Pres	sentation,448-	3.15	3.08	0.31	16.9 <del>7</del>
2006					

#### Regression Results

Change in the Average Values of Homele Between 1930 -		
	OSD	P-Value
Charage in the Afellogis and Some sine 1920 ween 1920 -	-0.309	0.050
30	-0.609	0.000
Manufacturing Earnings per Employee, 1929	0.236	0.300
Growth Rate of Manufacturing Earnings Per Mfg		
Employee, 1929-33	0.072	0.624
FEPYEHT FOTE OF AMESONES DEMONET PEMFOSTONISE, SEASE 9-33	0.168	0.370
Year = 1929	0.182	0.234
Per Capita Tax Returns, 1929	0.544	0.021
Change in Tax Returns, 1933 - 1929	0.567	0.003
Unemployment as Percent of Population, 1930	-0.342	0.068
Layoffs as Percent of Population, 1930	0.232	0.183

Summer Institute Presentation, 7-8-

0.079

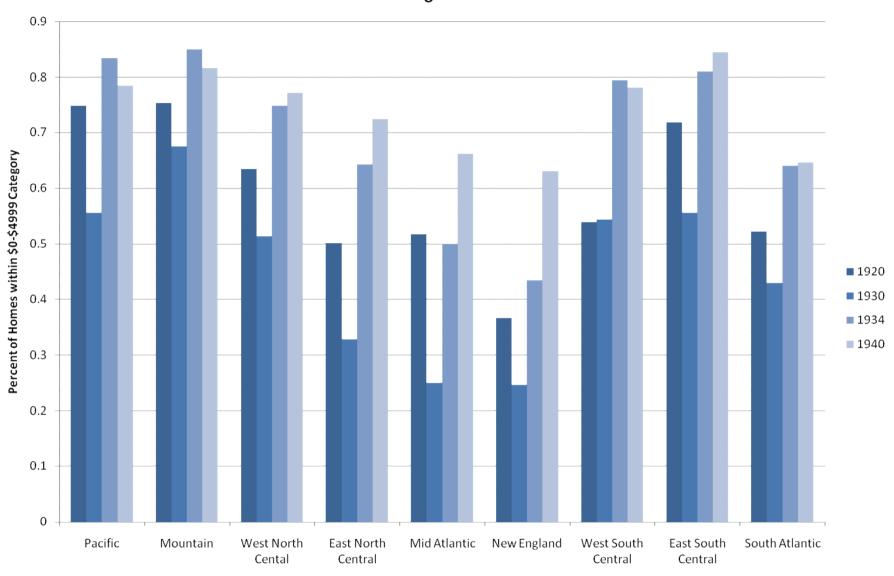
0.075

0.356

Percent Illiterate, 1930

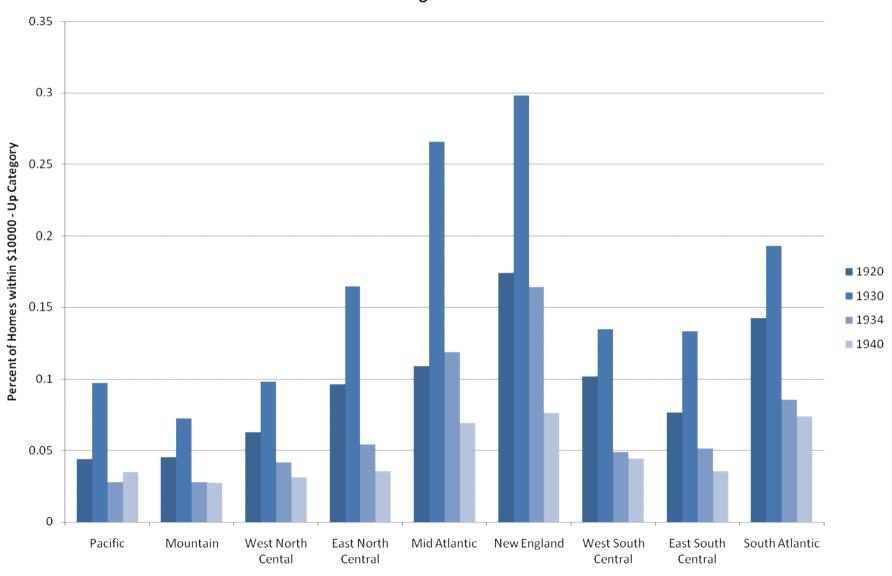
Constant

### Share of Homes within \$0 - \$4999 by Census Region and Year (51 Cities) Figure 7

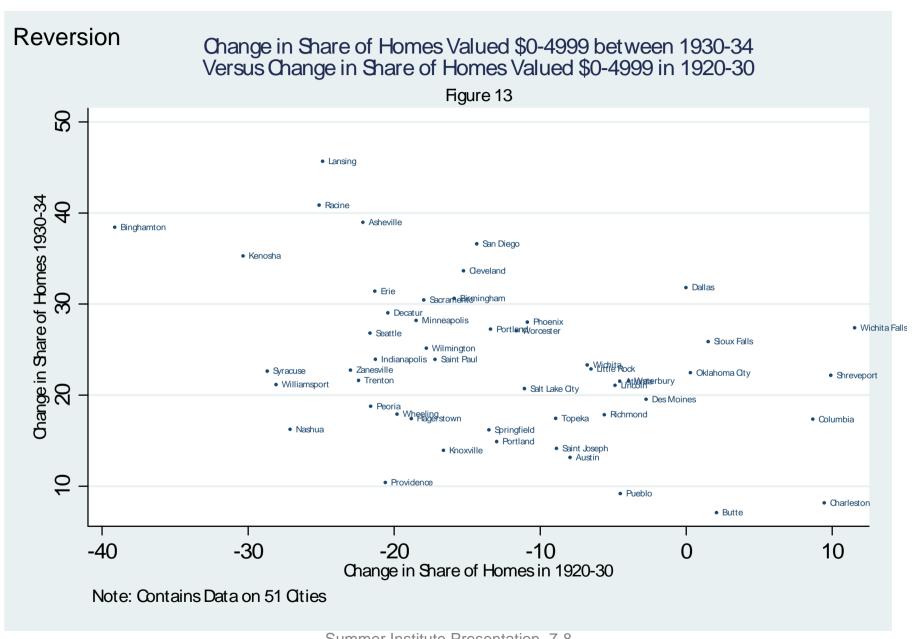


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### Share of Homes \$10000 - Up by Census Region and Year Figure 10



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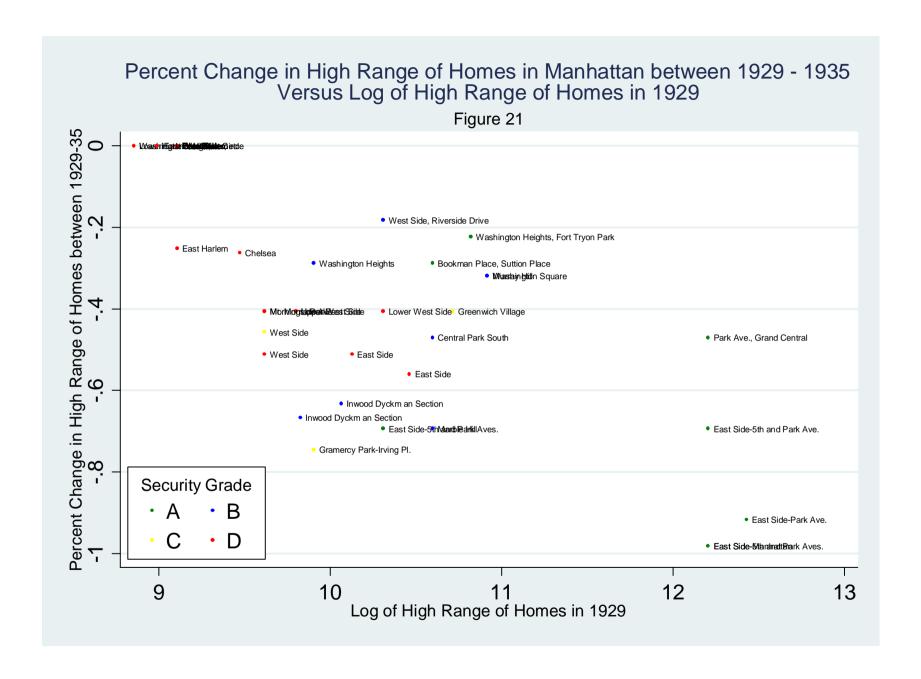


Summary Statistics	Table 5					
Variable	Obs	ľ	Mean	SE	Min	Max
Change in Share of Homes Valued \$0-\$4999 between	en 1930					
and 1934		51	23.52	8.52	7.09	45.67
Change in Share of Homes Valued \$5000-\$7499 be	tween					
1930 and 1934		51	-9.50	6.32	-25.82	7.23
Change in Share of Homes Valued \$7500-\$9999 be	tween					
1930 and 1934		51	-5.16	3.04	-15.69	-1.20
Change in Share of Homes Valued \$10000-Up betw	een 1930					
and 1934		51	-8.86	4.83	-23.57	-2.27
Share of Homes Valued \$0-\$4999 in 1920		51	60.01	15.17	26.09	90.22
Share of Homes Valued \$5000-\$7499 in 1920		51	22.85	7.49	6.83	44.23
Share of Homes Valued \$7500-\$9999 in 1920		51	8.02	4.32	1.56	19.21
Share of Homes Valued \$10000-Up in 1920		51	9.11	6.10	1.23	30.80
Change in Share of Homes Valued \$0-\$4999 between	en 1920					
and 1930		51	-13.04	11.23	-39.13	11.54
Change in Share of Homes Valued \$5000-\$7499 be	tween					
1920 and 1930		51	4.18	5.46	-10.56	13.15
Change in Share of Homes Valued \$7500-\$9999 be	tween					
1920 and 1930		51	2.53	3.94	-5.63	13.80
Change in Share of Homes Valued \$10000-Up betw	een 1920					
and 1930		51	6.34	5.75	-9.68	25.04
Manufacturing Earnings per Employee, 1929		51	1270.53	184.83	823.06	1690.00
Unemployment as Percent of Population, 1930		51	2.24	0.84	0.79	4.60
Layoffs as Percent of Population, 1930		51	0.69	0.46	0.17	2.42
Percent FDIC Banks Suspended from 1930-32, Bas	e Year =					
1929		51	23.93	14.68	0.00	62.50
Growth Rate of Manufacturing Earnings Per Mfg Em	ployee,					
1929-33		50	-0.38	0.11	-0.70	-0.21
Per Capita Tax Returns, 1929		51	0.04	0.01	0.01	0.07
Change in Tax Returns, 1933 - 1929		51	0.00	0.01	-0.04	0.01
Percent Illiterate, 1930		51	3.16	3.01	0.31	16.97
Growth Rate of Average Number of Mfg Eathers 149	<b>29:36</b> ite Present 2008	ati <b>5</b> 0,	7-89.38	0.20	-0.80	0.23

Table 6 - Regression Results - Change in Share of Housing between 1930 - 34

	\$0	) - \$499 P-	99	\$	10000 - U	p
	Coef	Value	OSD	Coef	P-Value	OSD
Share of Homes Valued \$0-\$4999 in 1920	0.028	0.936	0.050			
Share of Homes Valued \$5000- \$7499 in 1920	0.615	0.094	0.541	0.083	0.351	0.129
Share of Homes Valued \$7500- \$9999 in 1920	0.690	0.433	0.350	-0.456	0.068	-0.407
Share of Homes Valued \$10000- Up in 1920				-0.487	0.002	-0.615
Change in Share of Homes Valued \$\hat{9}\h	-0.098	0.683	-0.129			
Change in Share of Homes Valued \$7500-\$9999 between 1920 and	0.733	0.018	0.470	-0.084	0.414	-0.095
Change in Share of Homes Valued \$10000-Up between 1920 and	0.416	0.517	0.193	-0.368	0.065	-0.300
1930 Summer Ins	titute Pres 2008	entation, 7	7-8-	-0.456	0.000	<b>-0.542</b>

Table 6 - Regression Results - Change in Share of Housing between 1930 - 34						
Rest of Regression	\$0	- \$4999	9	\$10	000 - L	Jр
	Coof	P-	OCD	Coof	P-	020
Manufacturing Earnings per Employee, 1929	Coef 0.005	<ul><li>Value</li><li>0.510</li></ul>	OSD 0.109	Coef -0.005	<ul><li>Value</li><li>0.119</li></ul>	-0.194
Unemployment as Percent of Papulation, 1930 1930	4.380 -8.695	0.005 0.001	0.430 -0.473	-0.825 2.118		-0.143 0.203
Percent FDIC Banks Suspended from 1930-32, Base Year = 1929 Growth Rate of Manufacturing Earnings Per Mfg Employee, 1929-	-0.081		-0.140	0.011		0.033
33	10.912	0.224	0.144	-2.460	0.512	-0.057
Brange ita Tax Returns, 1939 -	-377.210	0.003	-0.542	120.408	0.020	0.305
1929	-568.202	0.000	-0.566	193.957	0.003	0.340
Percent Illiterate, 1930	-0.576	0.213	-0.203	0.419	0.035	0.261
Growth Rate of Average Number of Mfg Earners, 1929-33 R <sup>2</sup>	7.486 Institute Prese 2008	0.217 ntation, 7-8 ).7068	0.176	-4.881 0	0.060 0.8384	<b>-0.203</b>



### Summary Statistics New York Sample

Variable	Obs	Mean	Std. Dev.	Min	Max
Housing in 1929 - Low Range	581	9077	5762	1500	50000
Housing in 1929 - High Range	581	15620	20735	4000	250000
Housing in 1935 - Low Range	581	5398	3049	500	25000
Housing in 1935 - High Range	581	9095	10166	2500	125000
Area Contains Brick Housing	581	0.68	0.47	0	1
Area Contains Frame Housing	581	0.73	0.44	0	1
Area Contains Masonry Housing	581	0.11	0.31	0	1
Area Contains Stucco Housing	581	0.15	0.36	0	1
Repair - Good	581	0.26	0.44	0	1
Repair - Good to Fair	581	0.23	0.42	0	1
Repair - Fair	581	0.26	0.44	0	1
Repair - Fair to Poor	581	0.15	0.36	0	1
Repair - Poor	581	0.10	0.30	0	1
Security Grade - A	581	0.03	0.17	0	1
Security Grade - B	581	0.18	0.38	0	1
Security Grade - C	581	0.50	0.50	0	1
Security Grade - D	581	0.30	0.46	0	1
Professional & Executives	581	0.14	0.35	0	1
White Collar & Clerks	581	0.63	0.48	0	1
Skilled Labor	581	0.26	0.44	0	1
Unskilled Labor	581	0.46	0.50	0	1
Percent Black in Neighborhood	580	2.69	8.99	0	90
Average Age of Dwellings	579	24.29	10.97	5.5	60
Family Income - Low Range	581	1903_	1236	200	10000
Family Income - High Range	Summer Institute Pr 2008	esentation /-8- 5522	11619	700	100000 14

New York City Neighborhood Resu	ults	Log Change Between 20's High and 19 Low Range High Range					
ALL BOROUGHS		Coef	P - Value	Coef	P - Value		
LogValue in 1929 - Low Range		-0.147	0.000				
LogValue in 1929 - High Range				-0.281	0.000		
Area Contains Brick Housing		0.052	0.022	0.061	0.006		
Area Contains Frame Housing		-0.095	0.000	-0.099	0.000		
Area Contains Masonry Housing		0.042	0.203	0.058	0.081		
Area Contains Stucco Housing		0.002	0.931	0.036	0.157		
Repair - Good		0.058	0.192	0.071	0.097		
Repair - Good to Fair		0.023	0.540	0.075	0.044		
Repair - Fair		0.065	0.079	0.081	0.025		
Repair - Fair to Poor		-0.002	0.956	0.087	0.013		
Security Grade - A		-0.117	0.119	0.173	0.027		
Security Grade - B		-0.052	0.267	-0.007	0.890		
Security Grade - C		-0.033	0.282	-0.040	0.186		
Professional & Executives		-0.013	0.682	-0.024	0.445		
White Collar & Clerks		-0.042	0.075	0.022	0.363		
Skilled Labor		-0.051	0.017	-0.025	0.238		
Unskilled Labor		-0.060	0.026	-0.050	0.058		
Percent Black in Neighborhood		-0.002	0.146	0.000	0.650		
Average Age of Dwellings		-0.003	0.003	0.001	0.594		
LogFamily Income - Low Range		0.014	0.539				
LogFamily Income - High Range				0.034	0.136		
Average Number of Rooms							
Constant		0.867	0.001	1.844	0.000		
Number of Observations		į	578	5	78		

2008

Check with and without ADs 0.1419 O.1419 O.1419

 $R^2$ 

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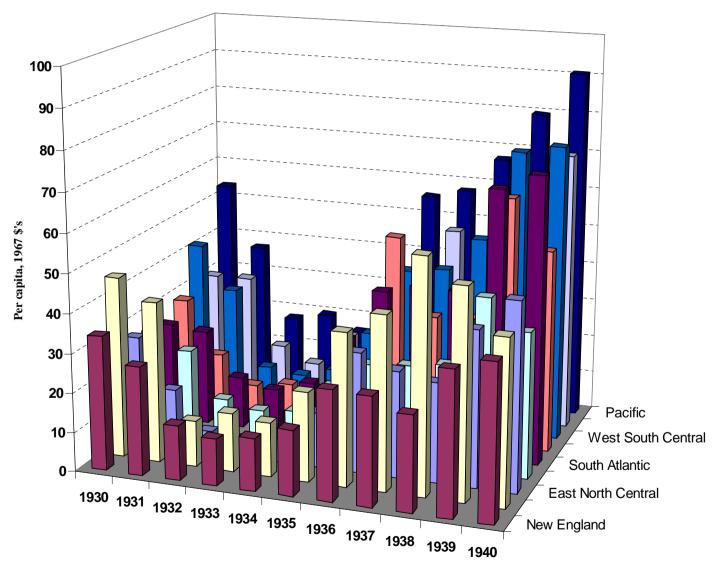
0.2612

NYC Neighborhood Results, Avg. Roor	Results, Avg. Rooms Log Change Between 1929 and 1935						
	Low F	Range	High	Range			
Three Boroughs: Bronx, Brooklyn, and Richmond	Coef	P - Value	Coef	P - Value			
LogValue in 1929 - Low Range	-0.078	0.013					
LogValue in 1929 - High Range			-0.383	0.000			
Area Contains Brick Housing	0.022	0.473	0.069	0.018			
Area Contains Frame Housing	0.024	0.426	-0.043	0.125			
Area Contains Masonry Housing	0.006	0.877	0.069	0.065			
Area Contains Stucco Housing	-0.014	0.620	0.012	0.662			
Repair - Good	0.121	0.035	0.132	0.012			
Repair - Good to Fair	0.025	0.611	0.129	0.005			
Repair - Fair	0.069	0.114	0.129	0.002			
Repair - Fair to Poor	0.006	0.894	0.117	0.003			
Security Grade - A	0.225	0.016	0.239	0.005			
Security Grade - B	-0.006	0.913	0.020	0.696			
Security Grade - C	-0.021	0.579	0.001	0.985			
Professional & Executives	0.016	0.645	0.035	0.302			
White Collar & Clerks	0.035	0.238	0.002	0.928			
Skilled Labor	0.017	0.494	-0.009	0.685			
Unskilled Labor	-0.027	0.380	-0.036	0.204			
Percent Black in Neighborhood	-0.005	0.000	-0.001	0.507			
Average Age of Dwellings	-0.002	0.096	-0.002	0.037			
Family Income - Low Range	-0.024	0.402					
Family Income - High Range			0.051	0.091			
Average Number of Rooms	-0.011	0.116	-0.017	0.011			
Constant	0.340	0.274	2.698	0.000			
Number of Observations	3	36	3	36			
$R^2$	_	035	0.3	953			
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FIGURE 4
Housing Construction by Geographic Region: 1930 to 1940

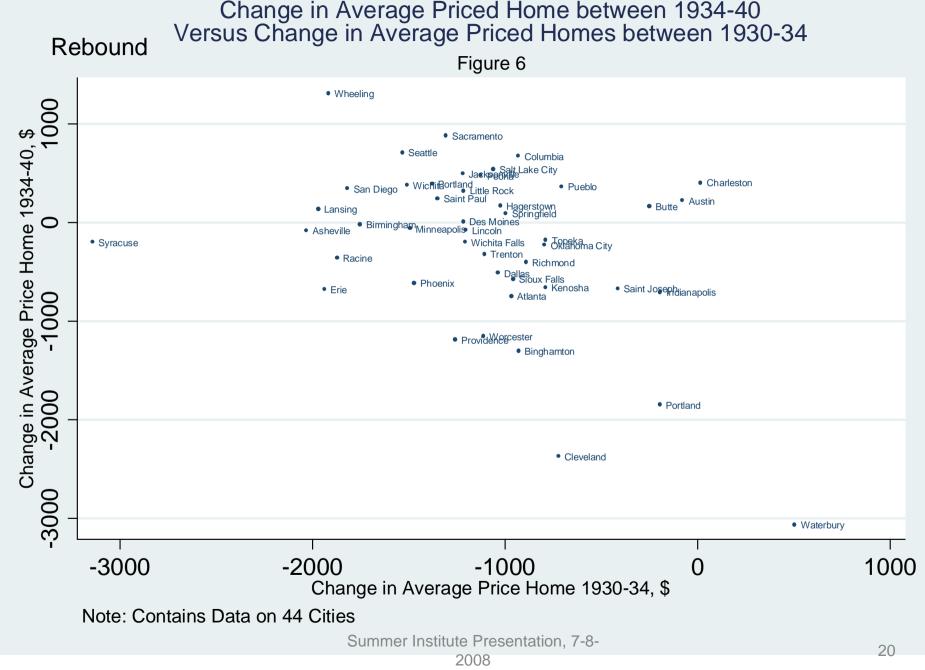


Summary Statistics for Table 9					
Kariagle in Residenta Rousinit Expandity Expenditures	Obs	Mean	SE	Min	Max
প্রেম্পুর্ব in Residential Housing Construction Expenditures	277	-12.00	12.09	-96.28	4.42
1934-40	277	17.12	14.41	-2.75	101.73
Percent Housing Stock Created Between 1920-29	277	25.09	12.82	1.33	74.31
Per Capita Stock of Housing	277	0.28	0.05	0.09	0.80
ଔ୶୕୴ୗଵ୍ୟଧ୍ୟାତ୍ରଣ-ସେମାପ୍ରରେ ହେମ୍ବାମ୍ବ୍ର ଅଧିନ୍ୟ ମଧ୍ୟ ବ୍ୟବ୍ୟ Employee,	277	1303.01	211.59	694.77	1841.09
চিপ্তিপাট়3Rate of Manufacturing Earnings Per Mfg Employee,	274	-0.39	0.10	-0.87	-0.15
1935-39	277	0.12	0.08	-0.14	0.38
Growth Rate of Average Number of Mfg Earners, 1929-33	274	-0.40	0.19	-1.09	0.23
Growth Rate of Average Number of Mfg Earners, 1935-39	277	0.05	0.14	-0.49	0.50
Per Capita Tax Returns, 1929	277	0.04	0.02	0.01	0.10
Change in Per Capita Tax Returns, 1933 - 1929	277	0.00	0.01	-0.04	0.01
Ferent Fore Barises Tax Briter Follo 35301939 Base Year =	277	0.03	0.01	0.01	0.07
Percent FDIC Banks Suspended from 1933-36, Base Year =	277	26.86	19.03	0.00	90.00
1929	277	0.93	3.56	0.00	35.48
Unemployment as Percent of Population, 1930	277	2.44	0.83	0.61	4.66
Layoffs as Percent of Population, 1930	277	0.79	0.52	0.06	3.44
Percent Unemployed, Partially Unemployed, and Emergency		2.12		4.00	40.00
Work, 1937	277	9.43	2.59	4.08	16.92
Percent Illiterate, 1930	277	3.25	2.27	0.31	16.97
Per Capita HOLC Loans, 1933-36	276	35.80	20.80	1.67	123.33
Per Capita FHA Insured Loans, 1934-39	277	27.29	21.52	2.66	176.70
Per Capita Public Works and Relief, 1933-39	277	122.35	44.69	39.80	325.65

#### Regression Results for Building Permits

Change in Building Expenditures per Capita, 1930-	Coof	D Value	020
34	Coer	P-Value	OSD
Percent Housing Stock Created Between 1920-29	-0.253	0.000	-0.275
Per Capita Stock of Housing	-39.633	0.002	-0.172
Manufacturing Earnings per Employee, 1929	-0.002	0.651	-0.040
Unemployment as Percent of Population, 1930	4.294	0.000	0.300
Favorities Banks Stusp Engelation 38392, Base Year	-0.905	0.516	-0.039
Growth Rate of Mfg Earnings Per Mfg Employee,	0.054	0.171	0.085
1929-33	3.698	0.630	0.032
Per Capita Tax Returns, 1929	-300.3	0.000	-0.381
Change in Per Capita Tax Returns, 1933 – 1929	-126.3	0.212	-0.087
Bercent Hiterate 1930e Number of Mfg Earners,	0.147	0.647	0.029
1929-33	8.208	0.044	0.130
Constant	13.225	0.073	





#### Summary Statistics for CWA City Samples, 1934-40

#### Table 3

Change in Average Value of Homes between 1934 - 40	Variable	Obs		Mean	SE	Min	Max
Average Value of Homes in 1930	Change in Average Value of Homes between						
Change in Average Value of Homes between 1930 - 34	1934 - 40		44	-235	826	-3062	1312
1930 - 34	Average Value of Homes in 1930		44	5349	1319	2535	9043
Manufacturing Earnings per Employee, 1929       44       1282       187       823       1690         Growth Rate of Manufacturing Earnings Per       43       0.11       0.09       -0.09       0.33         Mfg Employee, 1925-39       43       0.11       0.09       -0.09       0.33         Growth Rate of Average Number of Mfg       Earners, 1935-39       44       0.05       0.18       -0.48       0.34         Percent FDIC Banks Suspended from 1933-36, Base Year = 1929       44       0.34       1.59       0.00       8.70         Per Capita Tax Returns, 1929       44       0.04       0.01       0.01       0.07         Change in Tax Returns, 1935 - 1939       44       0.03       0.01       0.01       0.07         Percent Unemployed, Partially Unemployed, and Emergency Work, 1937       44       9.17       1.77       6.53       12.89	Change in Average Value of Homes between						
Growth Rate of Manufacturing Earnings Per Mfg Employee, 1925-39  Growth Rate of Average Number of Mfg Earners, 1935-39  Percent FDIC Banks Suspended from 1933- 36, Base Year = 1929  Per Capita Tax Returns, 1929  Change in Tax Returns, 1935 - 1939  Percent Unemployed, Partially Unemployed, and Emergency Work, 1937  43  0.11  0.09  -0.09  0.33  44  0.05  0.18  -0.48  0.34  1.59  0.00  8.70  44  0.04  0.01  0.01  0.07  0.07  0.07  0.07	1930 - 34		44	-1143	654	-3142	505
Mfg Employee, 1925-39       43       0.11       0.09       -0.09       0.33         Growth Rate of Average Number of Mfg       44       0.05       0.18       -0.48       0.34         Earners, 1935-39       44       0.05       0.18       -0.48       0.34         Percent FDIC Banks Suspended from 1933-36, Base Year = 1929       44       0.34       1.59       0.00       8.70         Per Capita Tax Returns, 1929       44       0.04       0.01       0.01       0.07         Change in Tax Returns, 1935 - 1939       44       0.03       0.01       0.01       0.07         Percent Unemployed, Partially Unemployed, and Emergency Work, 1937       44       9.17       1.77       6.53       12.89	Manufacturing Earnings per Employee, 1929		44	1282	187	823	1690
Growth Rate of Average Number of Mfg Earners, 1935-39	Growth Rate of Manufacturing Earnings Per						
Earners, 1935-39  Percent FDIC Banks Suspended from 1933-36, Base Year = 1929  Per Capita Tax Returns, 1929  Change in Tax Returns, 1935 - 1939  Percent Unemployed, Partially Unemployed, and Emergency Work, 1937  44 0.05  0.18 -0.48  0.34  1.59  0.00  8.70  44 0.04  0.01  0.01  0.07  44 0.03  0.01  0.07  6.53  12.89	Mfg Employee, 1925-39		43	0.11	0.09	-0.09	0.33
Percent FDIC Banks Suspended from 1933-36, Base Year = 1929 44 0.34 1.59 0.00 8.70 Per Capita Tax Returns, 1929 44 0.04 0.01 0.01 0.07 Change in Tax Returns, 1935 - 1939 44 0.03 0.01 0.01 0.07 Percent Unemployed, Partially Unemployed, and Emergency Work, 1937 44 9.17 1.77 6.53 12.89	Growth Rate of Average Number of Mfg						
36, Base Year = 192944 0.34 1.59 0.00 8.70Per Capita Tax Returns, 192944 0.04 0.01 0.01 0.07Change in Tax Returns, 1935 - 193944 0.03 0.01 0.01 0.07Percent Unemployed, Partially Unemployed, and Emergency Work, 193744 9.17 1.77 6.53 12.89	Earners, 1935-39		44	0.05	0.18	-0.48	0.34
Per Capita Tax Returns, 1929       44 0.04 0.01 0.01 0.07         Change in Tax Returns, 1935 - 1939       44 0.03 0.01 0.01 0.07         Percent Unemployed, Partially Unemployed, and Emergency Work, 1937       44 9.17 1.77 6.53 12.89	Percent FDIC Banks Suspended from 1933-						
Change in Tax Returns, 1935 - 1939 44 0.03 0.01 0.01 0.07  Percent Unemployed, Partially Unemployed, and Emergency Work, 1937 44 9.17 1.77 6.53 12.89	36, Base Year = 1929		44	0.34	1.59	0.00	8.70
Percent Unemployed, Partially Unemployed, and Emergency Work, 1937 44 9.17 1.77 6.53 12.89	Per Capita Tax Returns, 1929		44	0.04	0.01	0.01	0.07
and Emergency Work, 1937 44 9.17 1.77 6.53 12.89	Change in Tax Returns, 1935 - 1939		44	0.03	0.01	0.01	0.07
	Percent Unemployed, Partially Unemployed,						
Percent Illiterate 1020 44 2.15 2.09 0.21 16.07	and Emergency Work, 1937		44	9.17	1.77	6.53	12.89
7ercent initerate, 1930 44 3.13 3.00 0.31 10.97	Percent Illiterate, 1930		44	3.15	3.08	0.31	16.97
Per Capita Public Works and Relief, 1933-39 44 135.07 60.56 66.97 325.65	Per Capita Public Works and Relief, 1933-39		44	135.07	60.56	66.97	325.65
Per Capita HOLC Loans, 1933-36 44 39.12 24.89 6.13 123.33	Per Capita HOLC Loans, 1933-36		44	39.12	24.89	6.13	123.33
Per Capita FHA Insured Loans, 1934-39 44 31.36 19.66 4.18 92.72	Per Capita FHA Insured Loans, 1934-39		44	31.36	19.66	4.18	92.72

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	lue Regressions		_
Change in the Averag	e Values of <b>⊞øhle</b> s⁴between 1934 -		P-
40		OSD	Value
Average Value of Hor	nes in 1930	-0.815	0.000
Change in Average V	alue of Homes between 1930 - 34	-0.837	0.000
Manufacturing Earning	gs per Employee, 1929	-0.396	0.006
Growth Rate of Manua	facturing Earnings Per Mfg Employee	,	
1925-39		0.031	0.751
Percetht Rateors Anresa	gesplender of Mfg9334367,5B4965489	-0.203	0.021
= 1929		0.054	0.531
Per Capita Tax Return	ns, 1929	0.116	0.307
Change in Tax Return	ns, 1935 - 1939	0.271	0.057
Percent Unemployed,	Partially Unemployed, and		
Emergency Work, 193	37	-0.261	0.011
Percent Illiterate, 1930	0	0.225	0.082
Per Capita Public Wo	rks and Relief, 1933-39	0.163	0.149
Per Capita HOLC Loa	ıns, 1933-36	-0.110	0.255
Per Capita FHA Insur	ed Loans, 1934-39	-0.087	0.416
Constant	Summer Institute Presentation, 7-8-2008		0.000

## Change in Share of Homes Valued \$0-4999 between 1934-40 Versus Change in Share of Homes Valued \$0-4999 in 1930-34



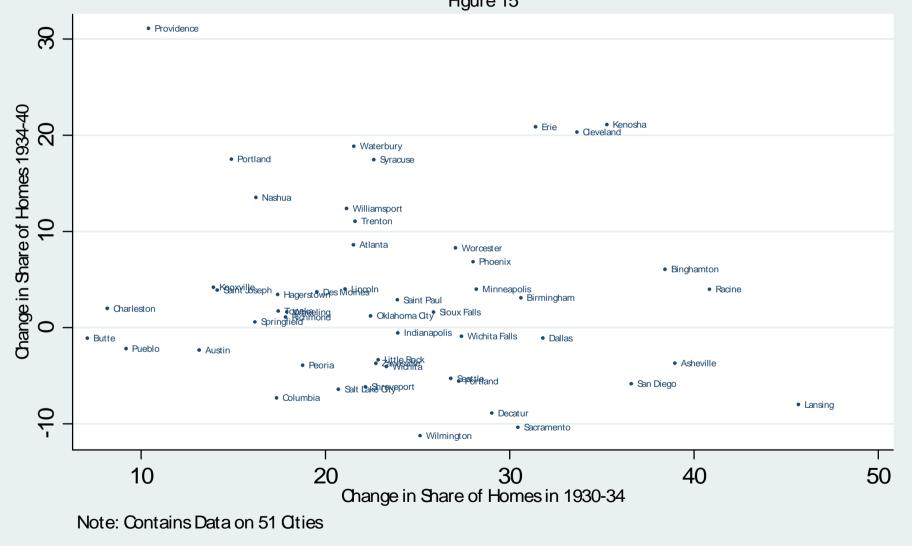








Table 8 - Regression Results - Change in Share of Housing between 1934 - 40 \$0 - \$4999 \$10000 - Up Coef Value OSD Coef Value OSD Share of Homes Valued \$90\$49994991930 -0.601 0.211 -1.093 -0.141 0.796 -0.114 0.012 0.892 0.028 \$1930 \$hare of Homes Valued \$7500-\$9999 in 0.012 0.993 0.006 0.059 0.834 0.095 \$1930 Share of Homes Valued \$10000-Up in 1930 -0.722 0.000 -1.863 Change in Share of Homes Valued \$0-\$4999 between 1930 and 1934 -0.812 0.124 -0.749 Change in Share of Homes Valued \$5000-\$7499 between 1930 and 1934 -0.333 0.584 -0.228 -0.035 0.746 -0.073 Change in Share of Homes Valued \$7500-\$9999 between 1930 and 1934 0.065 0.962 0.021 0.181 0.517 0.179 Change in Share of Homes Valued \$10000-Up between 1930 and 1934 -0.849 0.000 -1.341

Table 8 - Regression Results - Change in Share of Housing between 1934 - 40							
Rest of Regression	\$0 - \$4999				310000 - Up		
		P-			P-		
	Coef	Value	OSD	Coef	Value	OSD	
Manufacturing Earnings per							
Employee, 1929	0.020	0.015	0.396	-0.005	0.044	-0.277	
Percent Unemployed, Partially							
Unemployed, and Emergency							
Work, 1937	1.592	0.006	0.330	-0.437	0.007	-0.273	
Percent FDIC Banks Suspended							
toowing Rate of the Year of the sturing 29	0.073	0.773	0.029	0.070	0.331	0.083	
Earnings Per Mfg Employee, 1925-							
39	-3.657	0.756	-0.035	-0.673	0.840	-0.019	
Chabgeina Tax Retums, 1929 -	-76.626	0.456	-0.101	24.552	0.398	0.098	
1939	-190.449	0.146	-0.256	31.804	0.385	0.129	
Percent Illiterate, 1930	-0.337	0.511	-0.110	0.287	0.054	0.282	
Growth Rate of Average Number of							
Mfg Earners, 1935-39	7.519	0.198	0.137	-1.383	0.399	-0.076	
Per Capita Public Works and Relief,							
1933-39	-0.019	0.293	-0.123	0.006	0.221	0.122	
Per Capita HOA Onsome Logas, 36	0.059	0.299	0.152	-0.010	0.533	-0.077	
1934-39 Summer	InsQuQ21ese	n <b>Q</b> at <b>76,1</b> -	8-0.043	-0.023	0.247	-0.142	
$R^2$	2008	0.746			0.819	20	

### Building Permit Expenditures Regressions, 1934-1940

Table 11

Change in Per Cap Building Expenditures, 1934-1940		P-Value	OSD
Percent Housing Stock Created Between 1920-29	0.306	0.000	0.272
Per Capita Stock of Housing	32.914	0.021	0.120
Manufacthringe Earnings Ipou Femployers 1929 g Work,	-0.006	0.245	-0.094
PerFDIC Banks Suspended from 1933-36, Base Year	-0.898	0.010	-0.162
Growth Rate of Mfg Earnings Per Mfg Employee, 1935-	-0.210	0.307	-0.052
39	-6.823	0.526	-0.038
Per Capita Tax Returns, 1929	-174.321	0.008	-0.183
Change in Per Capita Tax Returns, 1935 - 1939	297.125	0.005	0.257
Bercent Hiterate 1930e Number of Mfg Earners, 1935-	0.950	0.016	0.149
39	-4.266	0.413	-0.043
Per Capita HOLC Loans, 1933-36	-0.087	0.051	-0.125
Per Capita FHA Insured Loans, 1934-39	0.149	0.004	0.223
Per Capita Public Works and Relief, 1933-39	0.075	0.000	0.234
Constant	2.387	0.762	