The Economic Outlook for Washtenaw County, 2022–2024



Washtenaw Economic Club
2022 Event Series
March 24, 2022
Jacob Burton
Gabriel Ehrlich
Donald Grimes
Michael McWilliams

Research Seminar in Quantitative Economics





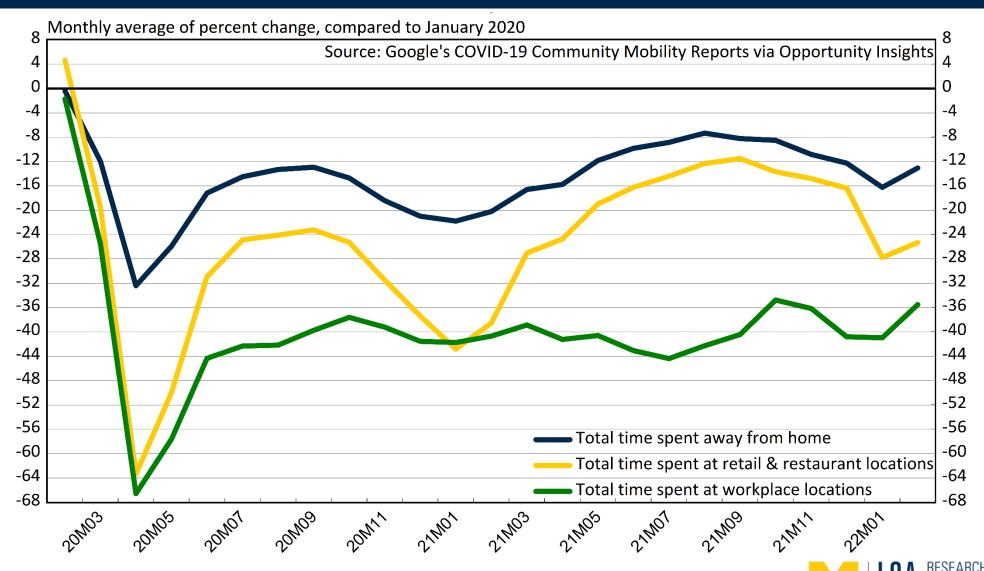






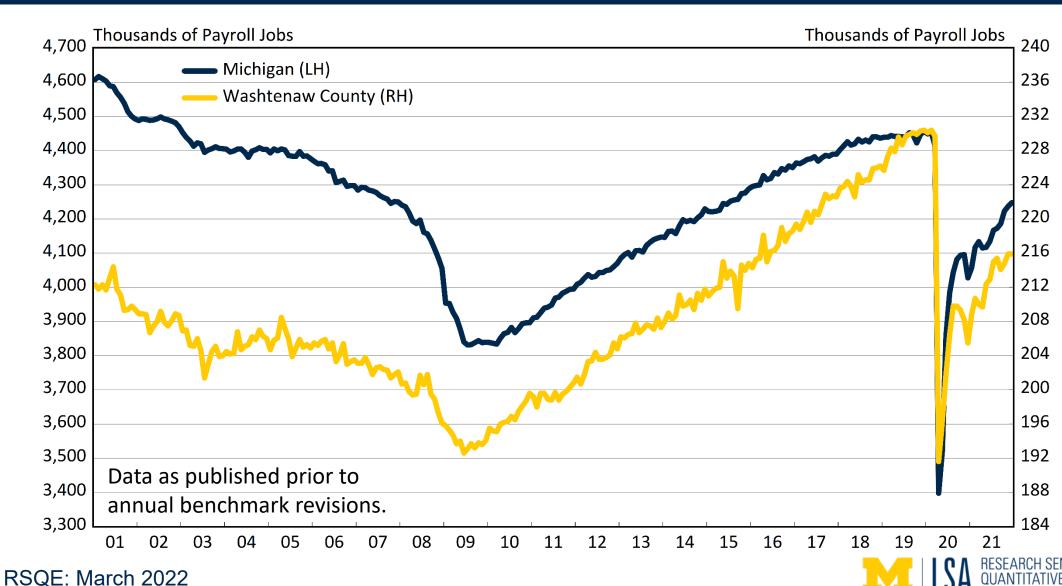
Current State of Washtenaw's Economy

Time Use Patterns in Washtenaw County

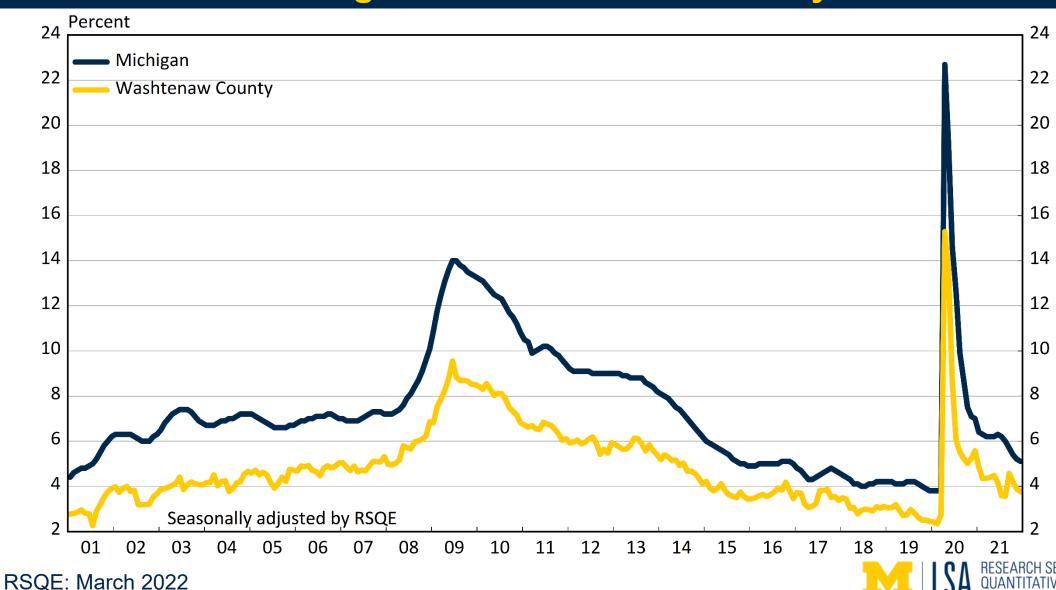




Monthly Payroll Employment, Michigan and Washtenaw County



Monthly Unemployment Rate, Michigan and Washtenaw County



U.S. Economic Outlook

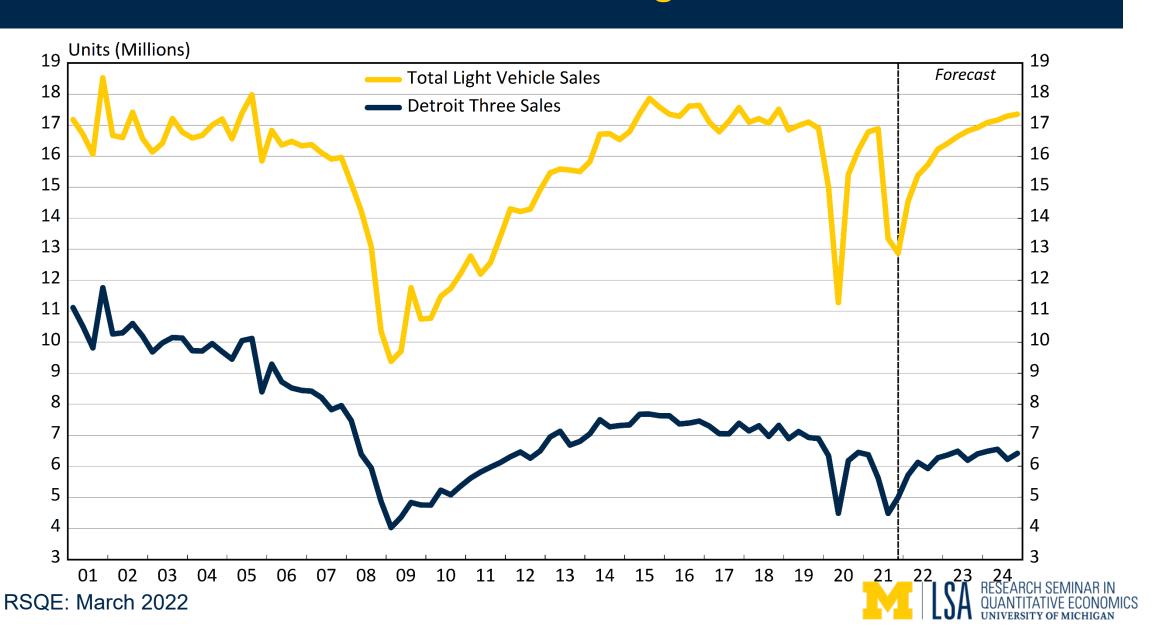
Real U.S. Gross Domestic Product



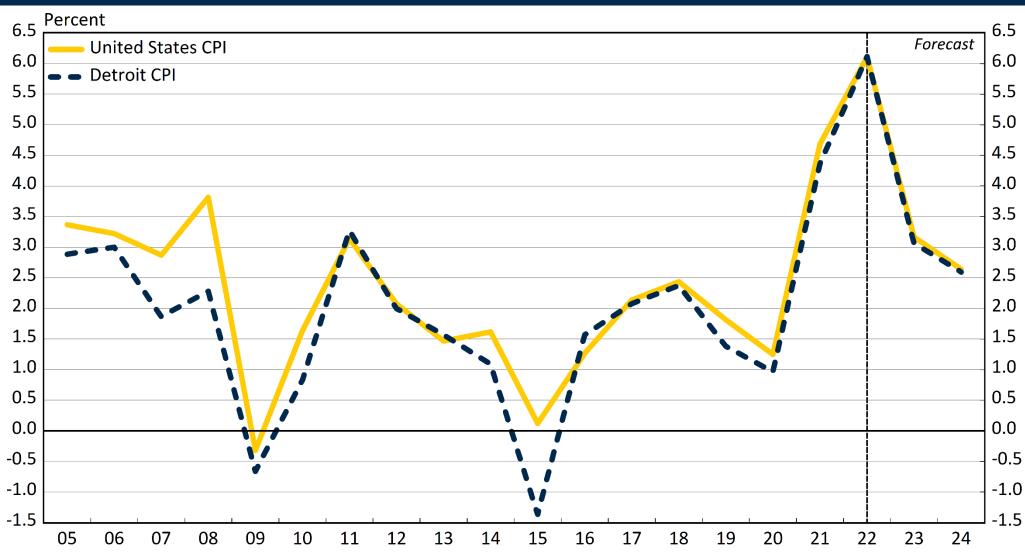




Total U.S. vs. Detroit Three Light Vehicle Sales



Annual Inflation Rate, National and Detroit CPI





Forecast Review

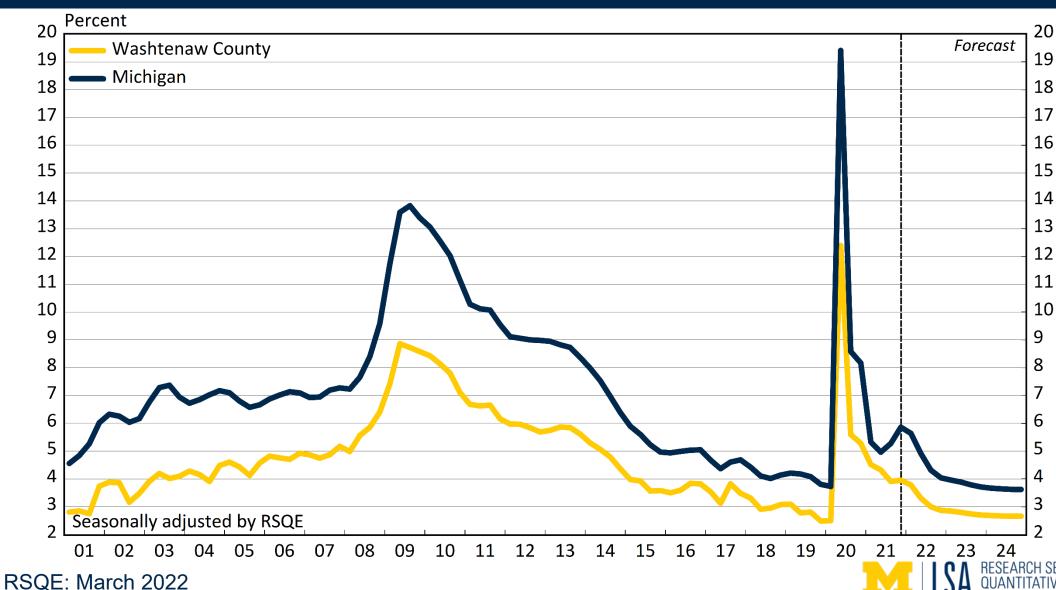
Review of Last Year's Forecast

	Forecast 2021	Actual 2021
Payroll employment growth	2.1%	2.2%
Unemployment rate	4.3%	4.2%
Consumer inflation rate	2.3%	4.4%

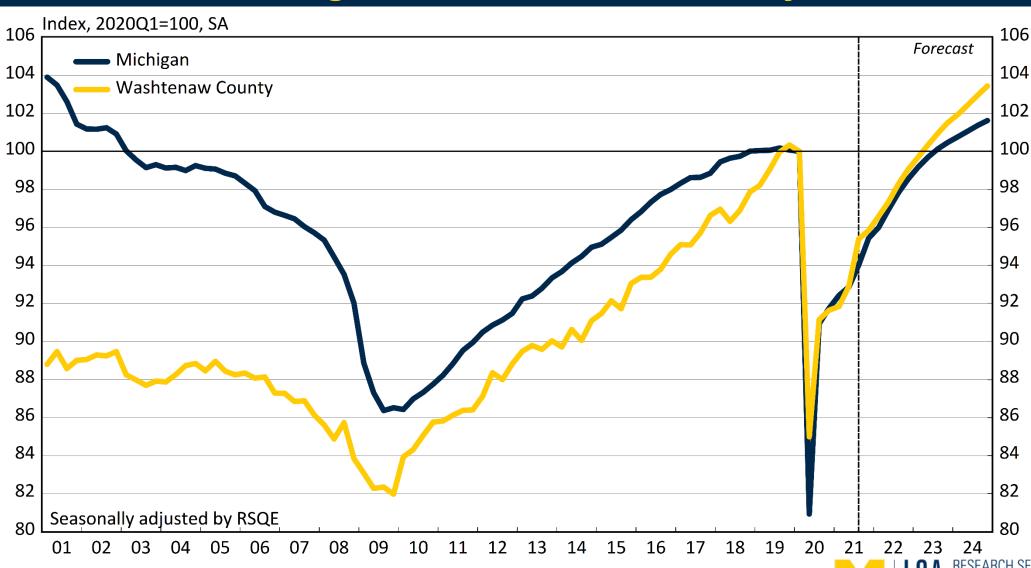


Washtenaw County Economic Outlook

Quarterly Unemployment Rate, Michigan and Washtenaw County



Quarterly Payroll Employment Indices, Michigan and Washtenaw County



Job Indices in Washtenaw County by Selected Industries



Industry Detail

The Recovery of Payroll Jobs in Washtenaw County

		Forecast Employment				Average Annual Wage
	2020	2021	2022	2023	2024	2020 \$
Total Jobs (Number of jobs) (Annual percentage change)	202,114 (-7.5)	206,631 (2.2)	215,018 (4.1)	221,207 (2.9)	225,736 (2.0)	66,385
Total Government	78,745	78,595	81,262	83,311	85,133	68,952
Total Private	123,369	128,035	133,756	137,896	140,603	64,746



Full-Recovery Industries

		Forecast Employment				Average Annual Wage
	2020	2021	2022	2023	2024	2020 \$
Management of companies and enterprises	1,429	1,487	1,559	1,641	1,682	179,845
Information	5,042	4,655	4,666	4,730	4,794	114,843
Professional, scientific, and technical services	17,544	18,241	18,895	19,378	19,766	103,055
Finance and insurance	3,712	3,973	4,016	4,083	4,131	101,621
Wholesale trade	5,684	5,967	6,262	6,460	6,618	83,362
Transportation and warehousing	3,679	3,879	4,244	4,436	4,495	75,858
Construction	4,316	4,862	5,073	5,358	5,481	68,274
Private health and social services	23,804	24,411	24,962	25,690	26,289	58,815
Administrative support and waste management	8,272	8,003	8,520	9,012	9,341	41,575
Private education	2,735	2,833	2,979	3,245	3,401	41,133

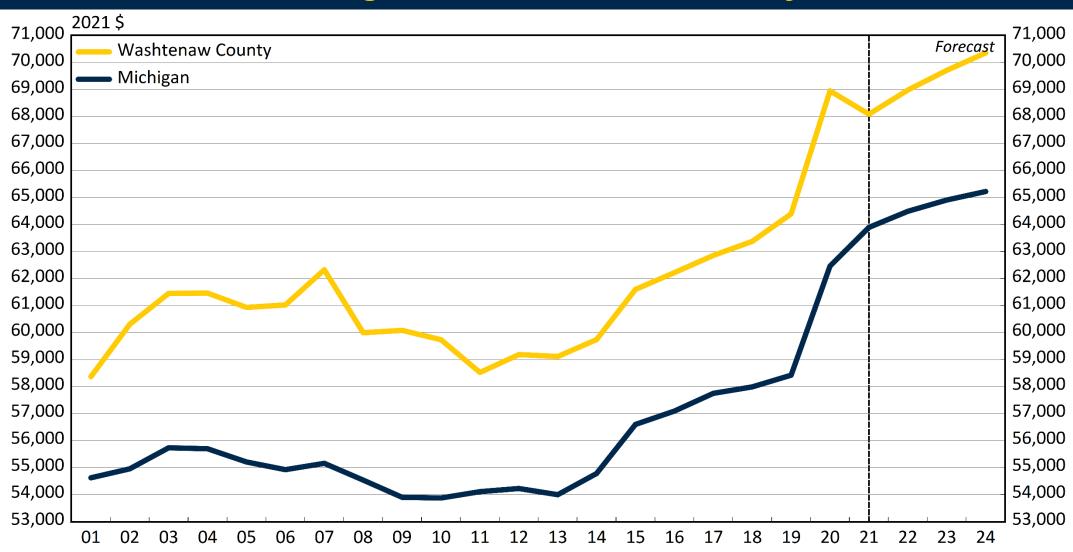


Incomplete-Recovery Industries

			Forecast I	Employment		Average Annual Wage
	2020	2021	2022	2023	2024	2020 \$
Accommodation and food services	11,342	12,078	13,479	14,254	14,815	21,255
Arts, entertainment and recreation	1,597	1,781	2,075	2,205	2,299	27,449
Retail trade	14,303	15,133	15,442	15,358	15,243	35,831
Natural resources and mining	268	282	283	279	277	38,084
Other services	4,259	4,479	4,671	4,794	4,893	38,198
Real estate and rental and leasing	2,291	2,219	2,226	2,255	2,276	55,251
Transportation equipment (Motor Vehicles & Parts) manufacturing	3,867	3,826	4,006	4,081	4,073	70,918
Other manufacturing	12,320	12,962	13,593	13,906	13,983	71,605
Utilities	425	422	425	421	419	154,679



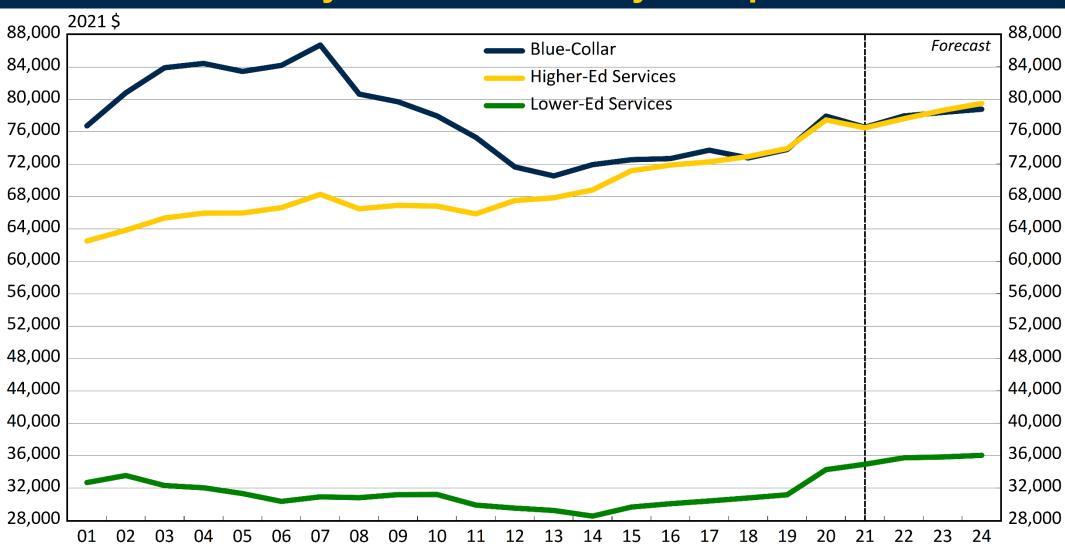
Average Real Wage, Michigan and Washtenaw County







Average Real Wage in Washtenaw County by Selected Industry Group

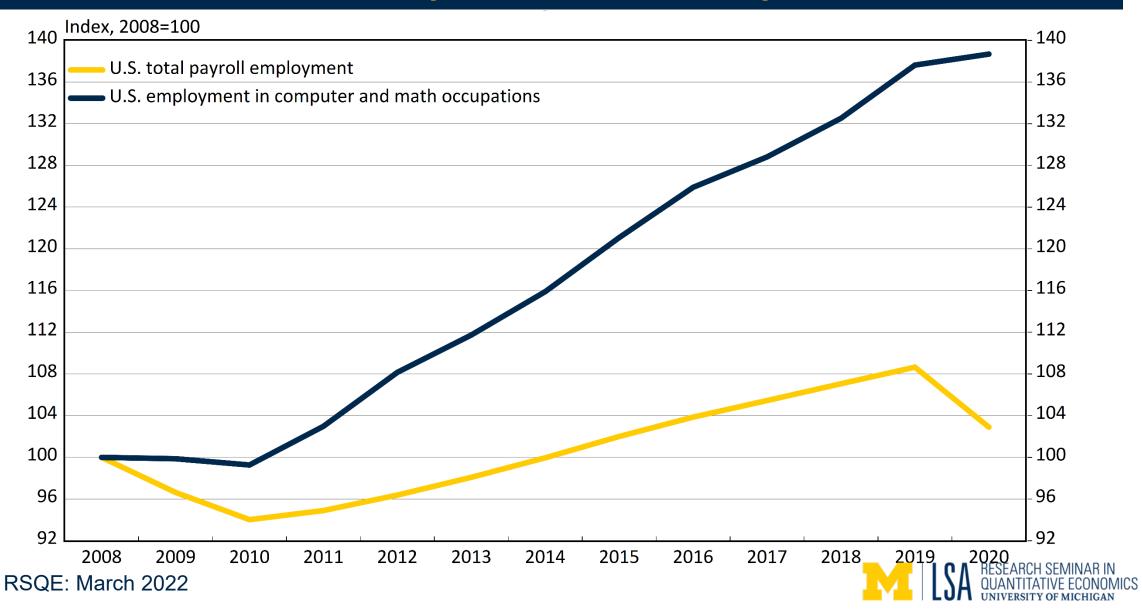






Ann Arbor's Performance in Computer and Math Occupations

U.S. Employment Total vs. Computer and Math Occupations



Ann Arbor vs. Its Peers Computer and Math Occupations

			Share of	Computer &	
		Occupational	Employment in	Math 2020	
		Employment in	Computer &	Median	2020 Median
Metropolitan Area	Total Employment	Computer & Math	Math	Wage (\$)	Wage (\$)
Ann Arbor, MI	208,320	9,090	4.4%	75,919	47,695
Austin, TX	1,054,230	71,170	6.8%	86,898	43,242
Bloomington, IN	68,060	2,360	3.5%	71,376	41,657
Boulder, CO	181,420	15,400	8.5%	96,979	53,393
Greenville, SC	390,860	8,530	2.2%	77,541	40,286
Madison, WI	382,410	25,530	6.7%	87,619	48,654
Minneapolis, MN	1,848,960	85,650	4.6%	90,901	48,164
Pittsburgh, PA	1,068,070	36,070	3.4%	83,054	45,148
Portland, OR	1,142,100	45,040	3.9%	88,359	45,471
Raleigh, NC	621,270	37,150	6.0%	98,219	45,472
San Francisco, CA	2,330,800	158,730	6.8%	107,243	52,646
Addenda:					
United States	139,099,570	4,587,700	3.3%	91,350	41,950

Wages are adjusted for local cost of living differences using BEA price parity index and are based on full-time equivalent without bonus or overtime pay.

Q&A Session

Melissa Sheldon

Ann Arbor SPARK
Director of Research







Isa.umich.edu/econ/rsqe





