

A blurred background image showing a financial candlestick chart with yellow and blue bars and a white dashed trend line.

>Welcome to the
2021 Virtual Economic Forum



The Post-Covid Economy

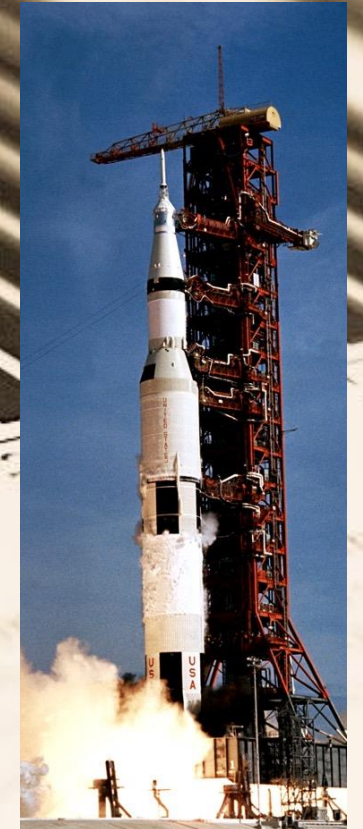
Prepare for acceleration...

March 2021

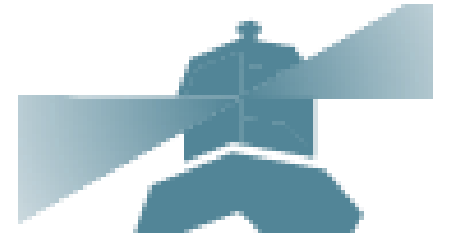
Christopher Thornberg, PhD

Founding Partner, Beacon Economics

Director, UCR SoBA Center for Economic Forecasting and Development



4 Big Themes



1. The Covid pandemic was a tragic natural disaster, but the pandemic - led recession was not as severe as the Great Recession, nor will it have any of the long-run consequences
2. Fiscal and monetary policy reactions to the downturn have been excessive and regressive. This will ensure a very rapid recovery, but will also introduce dangerous instabilities into the next expansion
3. The pandemic will not change the economy, but it will accelerate trends that were already in place before it happened
4. Politics in the nation continues to be driven by extreme narratives on both sides of the aisle, and as such we will see little of the long run reforms the nation desperately needs

1. Miserabilism and the Pander

- Covid-19: A global natural disaster
 - Approaching 120 million cases and 2.5 million deaths, ~20% here in the US
 - Vaccine roll outs in progress
- The Economic Debate
 - The macro debate, “U”, “V”, or whatever... most called “U”—slow recovery
 - Our outlook “V”—This is not the great recession situation
- The Pandemic Business Cycle
 - The recession ended in April
 - 70% recovery in economic activity since trough even with last surge
 - Plenty of dry powder for post-Covid economic surge even without stimulus plans 2 & 3

Coronavirus to cause worst economic downturn since Great Depression, IMF forecasts

30-40 Million People in America Could Be Evicted from Their Homes by the End of 2020

Aug 07, 2020

JPMorgan now sees economy contracting by 40% in second quarter, and unemployment reaching 20%

Economy

CBO: Coronavirus pandemic will scar U.S. labor market for the next decade

The agency is predicting that the unemployment rate in the fourth quarter of 2030 will be 4.4 percent, compared with 3.5 percent in February of this year.

Home prices rose in June, but they'll likely fall in 2021: CoreLogic

As many as 30% of Americans with home loans — about **15 million** households — could stop paying if the U.S. economy remains closed through the summer or beyond, according to an estimate by

Mark **Zandi**, chief economist. **‘Make no mistake...the pandemic morphed into a Depression-like crisis,’ says UCLA economist, who predicts U.S. economy won’t recover from coronavirus until 2023**

Published: June 26, 2020 at 7:55 a.m. ET

1. Miserabilism and the Pander

Coronavirus to cause worst economic downturn since Great Depression, IMF forecasts
30-40 Million People in America

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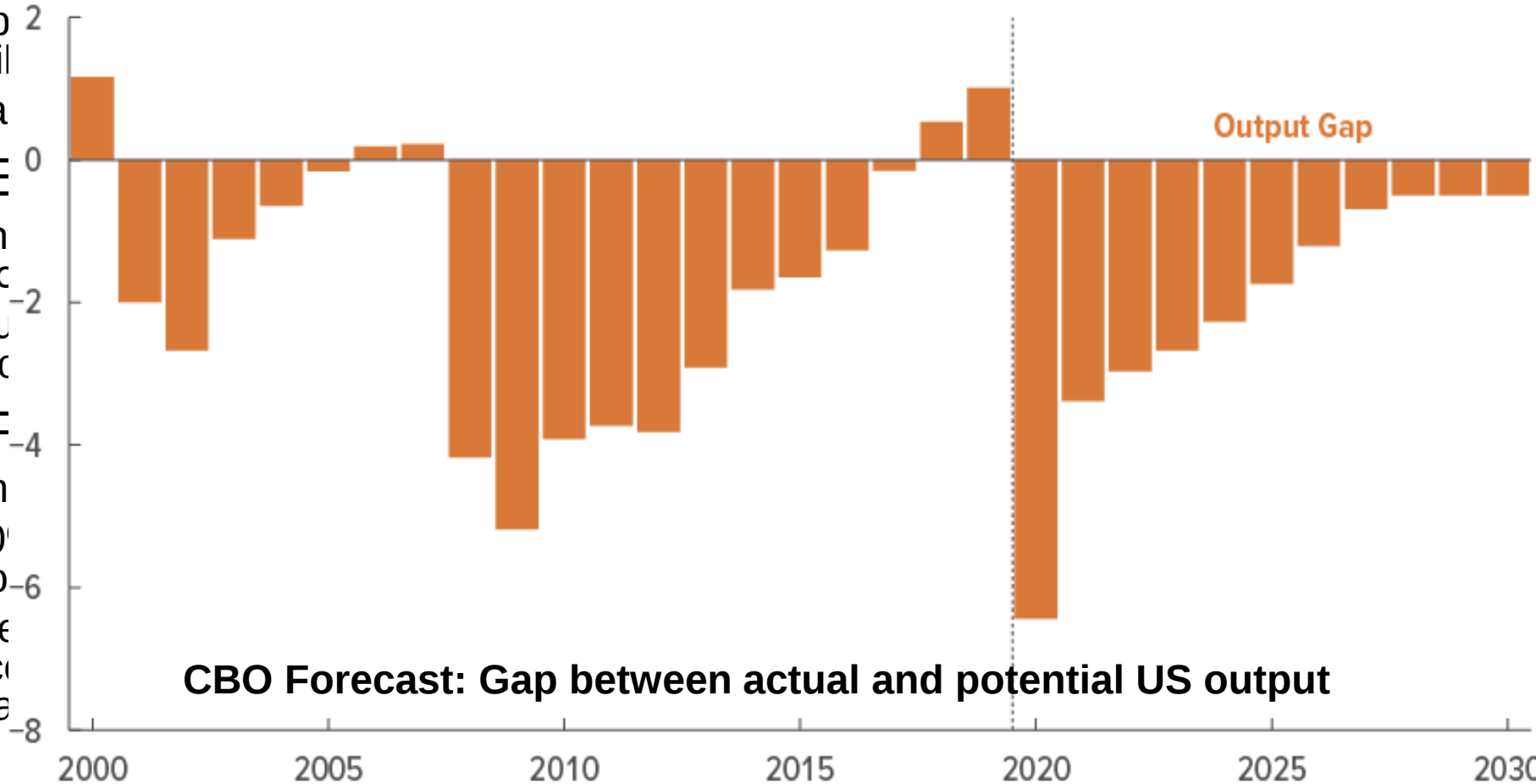
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Percentage of Potential GDP



CBO Forecast: Gap between actual and potential US output

coronavirus until 2023

Published: June 26, 2020 at 7:55 a.m. ET

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it reaching 20%

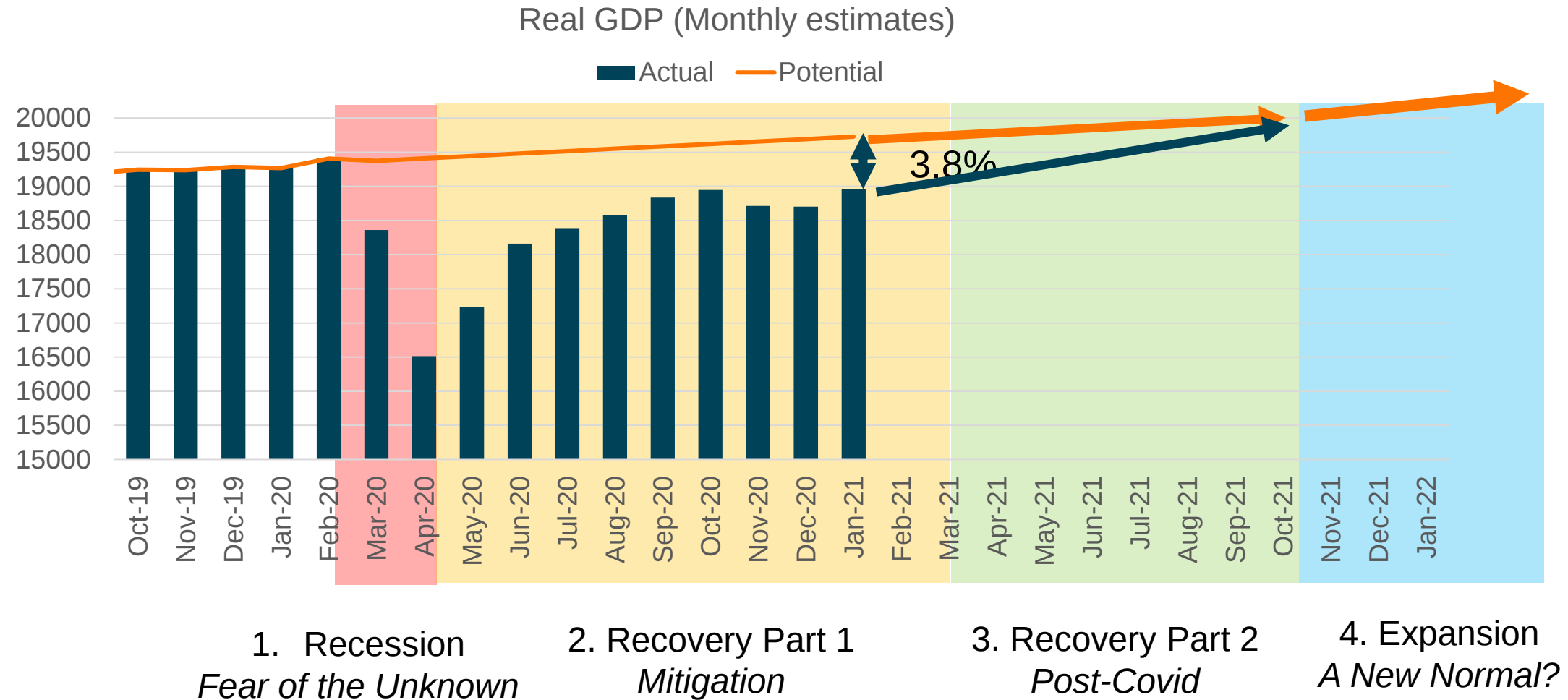
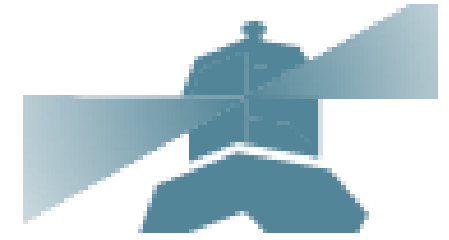
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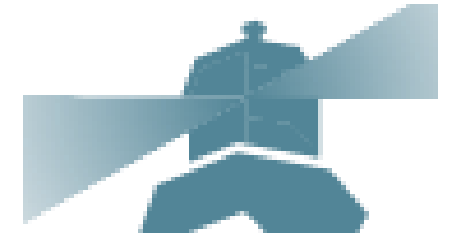
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sion-like crisis,
who predicts
over from

Stages of the Pandemic Business Cycle



The Great Recession vs Today



Then

Now

The Pre-Recession Economy

Over-heated by sub-prime lending bubble

Slow steady growth due to labor shortages / trade disruptions

Consumer Finances

Record high debt / income, record low savings

Record low FOR, 30 year high in savings rates

Housing

Record high share housing for sale / rent, massive HPI growth

Record low share housing for sale / rent, slowing HPI growth

Recession Driver

Demand shock caused by collapse in wealth, flow-stock issues

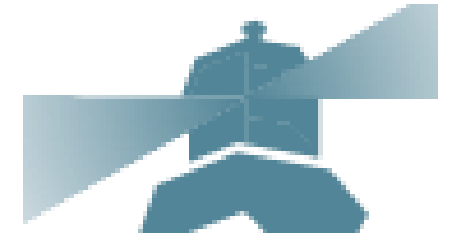
Supply shock driven by fear and health mandates

Government Stimulus

Too little, too late

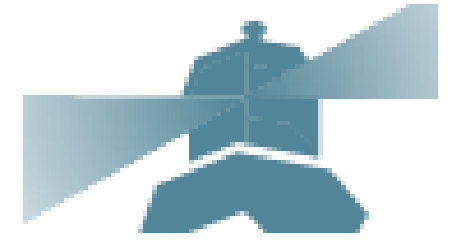
Too much, too soon

What happened in 2020?

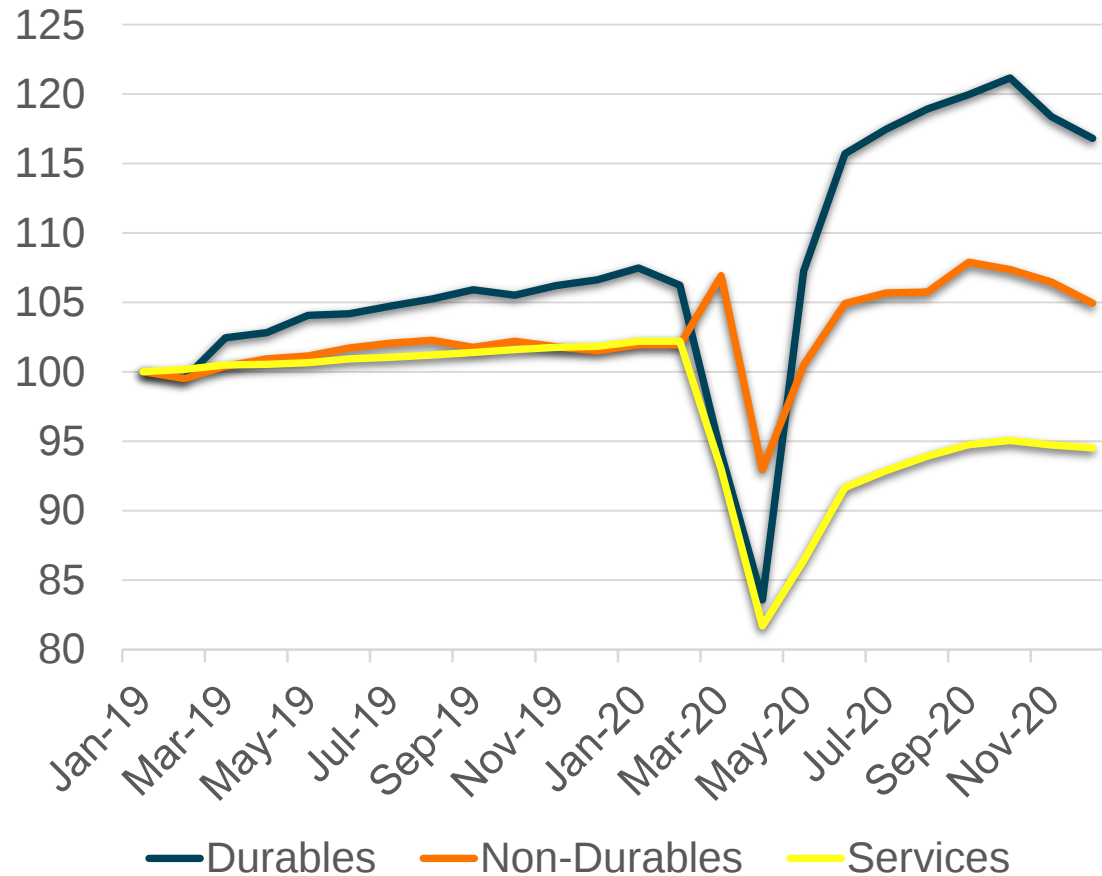


	Contributions to Growth			Growth
	2018	2019	2020	Q4 to Q4
GDP	3.00	2.20	-3.50	-2.5%
Consumption	1.85	1.64	-2.63	-2.6%
Durable goods	0.48	0.34	0.45	11.9%
Nondurable goods	0.38	0.44	0.36	4.4%
Services	0.98	0.86	-3.44	-6.8%
Investment	1.08	0.30	-0.94	3.2%
Structures	0.11	-0.02	-0.32	-14.1%
Equipment	0.45	0.12	-0.29	3.4%
IPP	0.34	0.29	0.07	1.4%
Residential	-0.02	-0.07	0.23	13.7%
Inventories	0.20	-0.02	-0.63	
Net exports	-0.25	-0.18	-0.13	
Exports	0.36	-0.01	-1.47	-11.0%
Imports	-0.62	-0.16	1.33	-0.6%
Government	0.32	0.40	0.19	-0.6%
Federal	0.18	0.26	0.29	2.5%
State and local	0.13	0.14	-0.09	-2.5%

A Winner / Loser Recovery



Real Consumer Spending (Indexed)



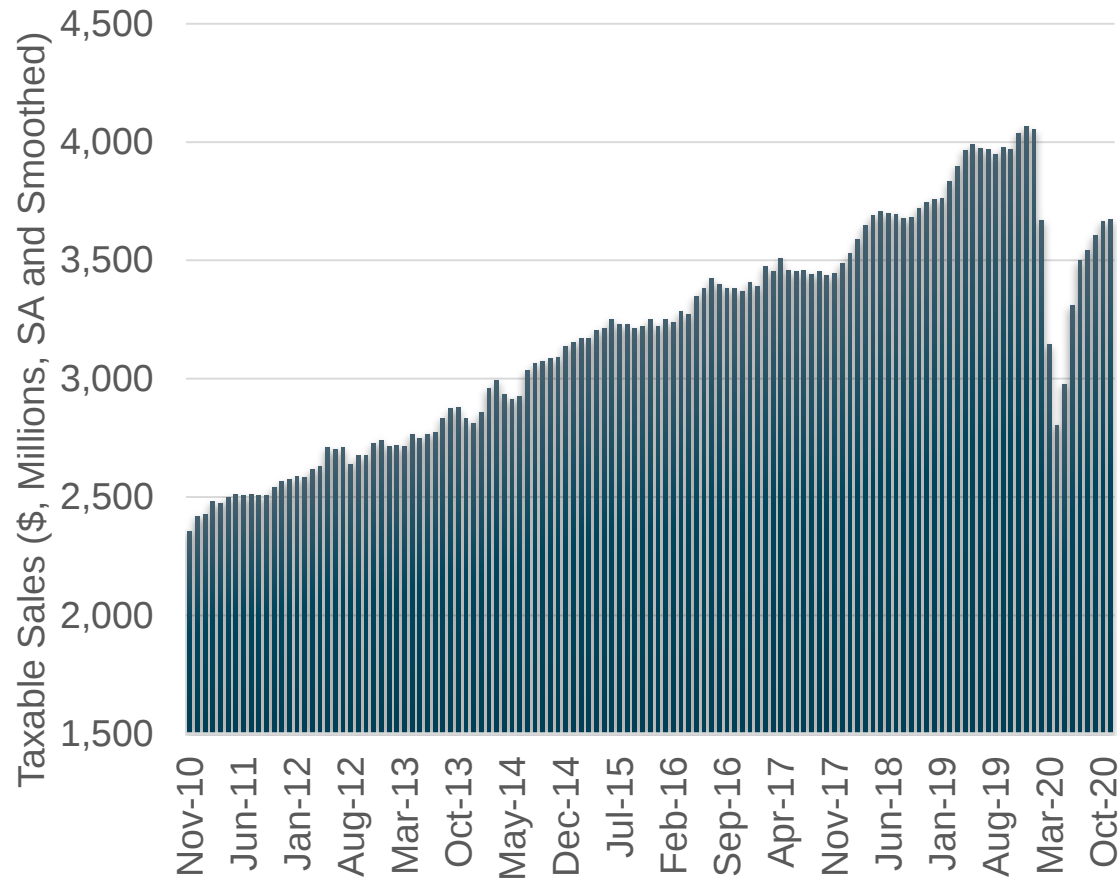
Retail Sales Numbers

	Jan-21	YoY
Nonstore retailers	87897	28.7%
Sporting / Hobby	8165	22.5%
Hardware	40055	19.0%
Motor vehicle & parts dealers	118836	13.0%
Food & beverage stores	72020	11.8%
Furniture & home furn. stores	11348	11.7%
Miscellaneous store retailers	12809	7.3%
Health & personal care stores	31886	6.2%
General merchandise stores	63518	5.9%
Electronics & appliance stores	7801	-3.5%
Gasoline stations	39232	-7.8%
Clothing Stores	20014	-11.1%
Food services & drinking places	54634	-16.6%

Taxable Sales and Gaming Revenue



Taxable Sales



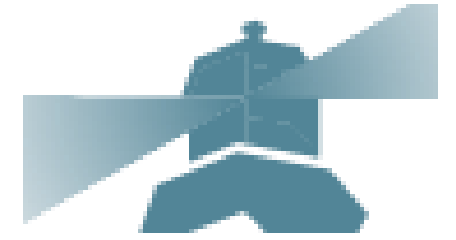
Taxable Sales by Select Categories (\$, Mil.)

Category	2019	2020	1-Yr % Chg
Total	42,745.7	37,242.5	-12.9
Motor Vehicles	4,650.2	4,412.7	-5.1
Gasoline Sales	782.2	663.0	-15.2

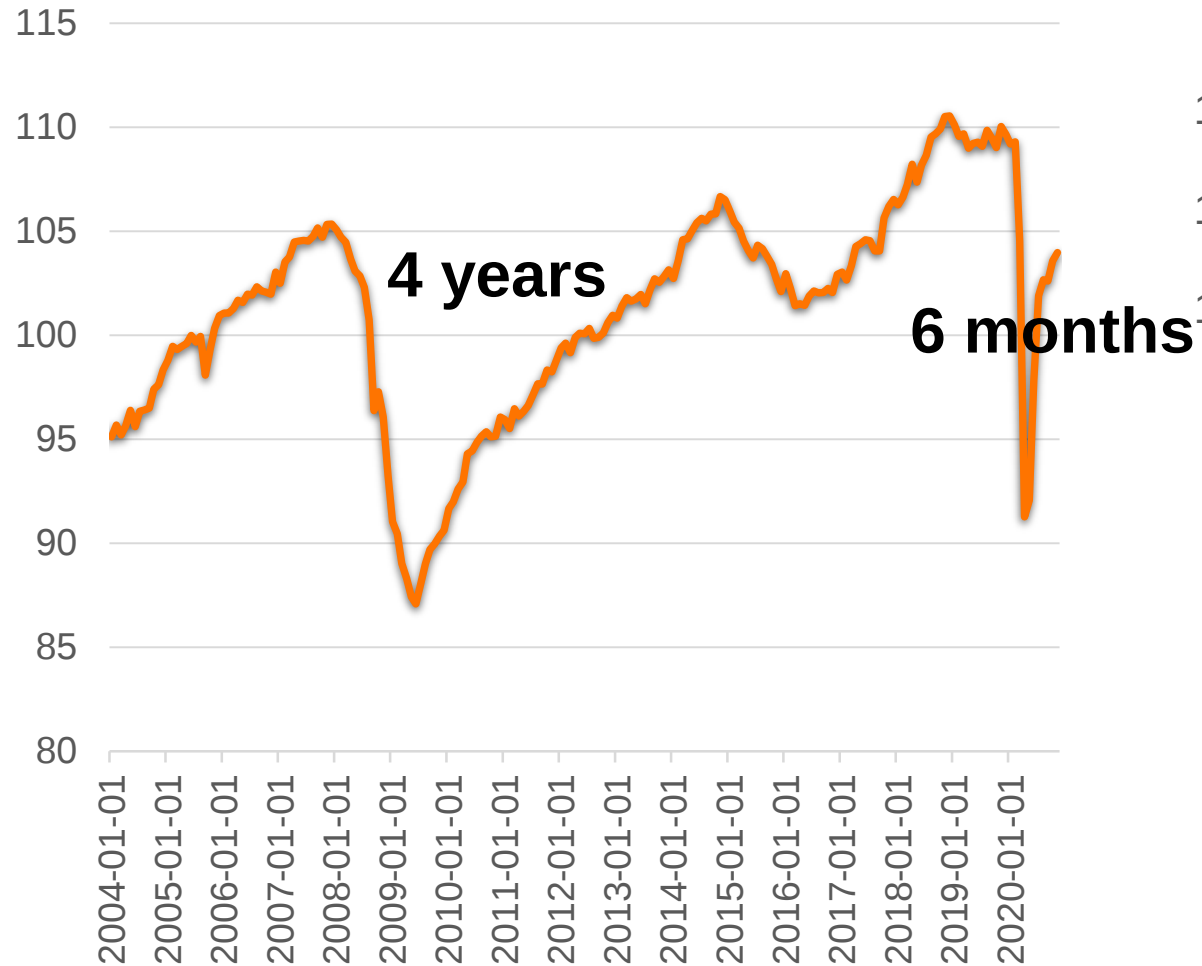
Gaming Revenue (\$, Mil.)

Category	2019	2020	1-Yr % Chg
Clark County Revenue	10,355.7	6,540.9	-36.8
Las Vegas Revenue	6,587.5	3,733.4	-43.3

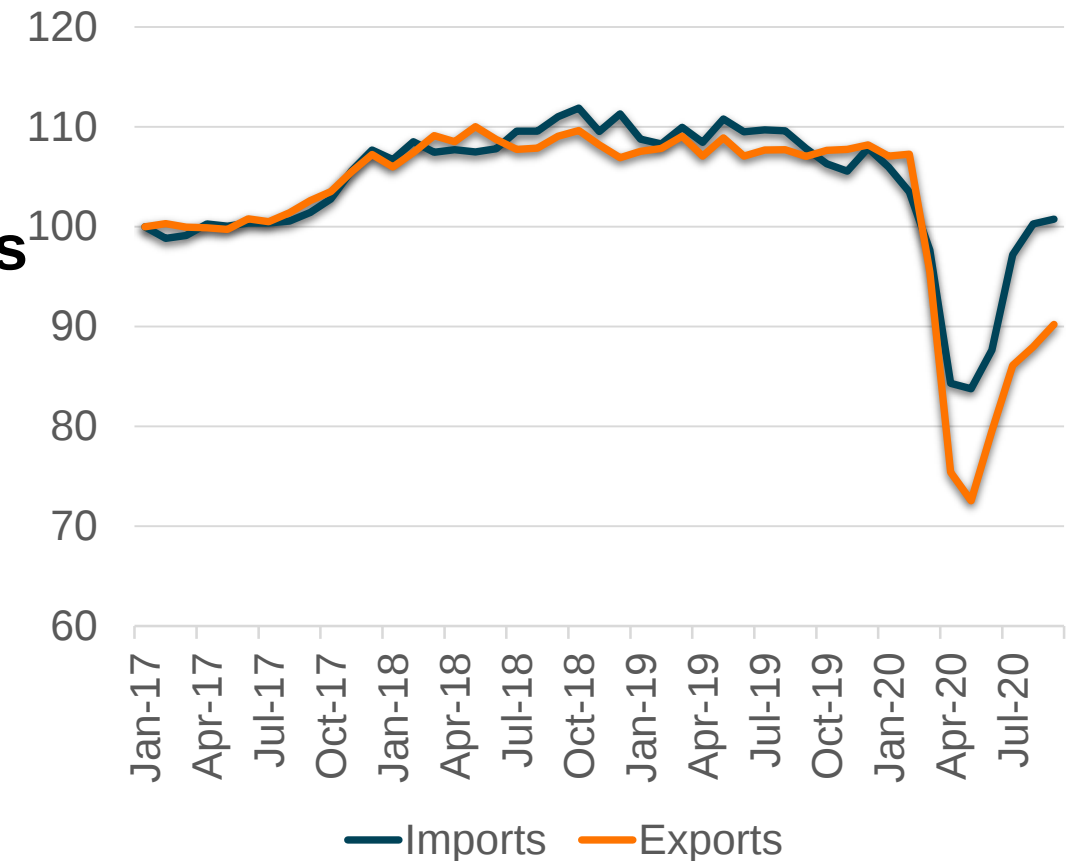
Production Trends



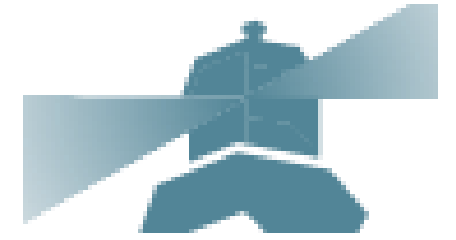
Industrial Production Indexes



Nominal Imports and Exports (Indexed)

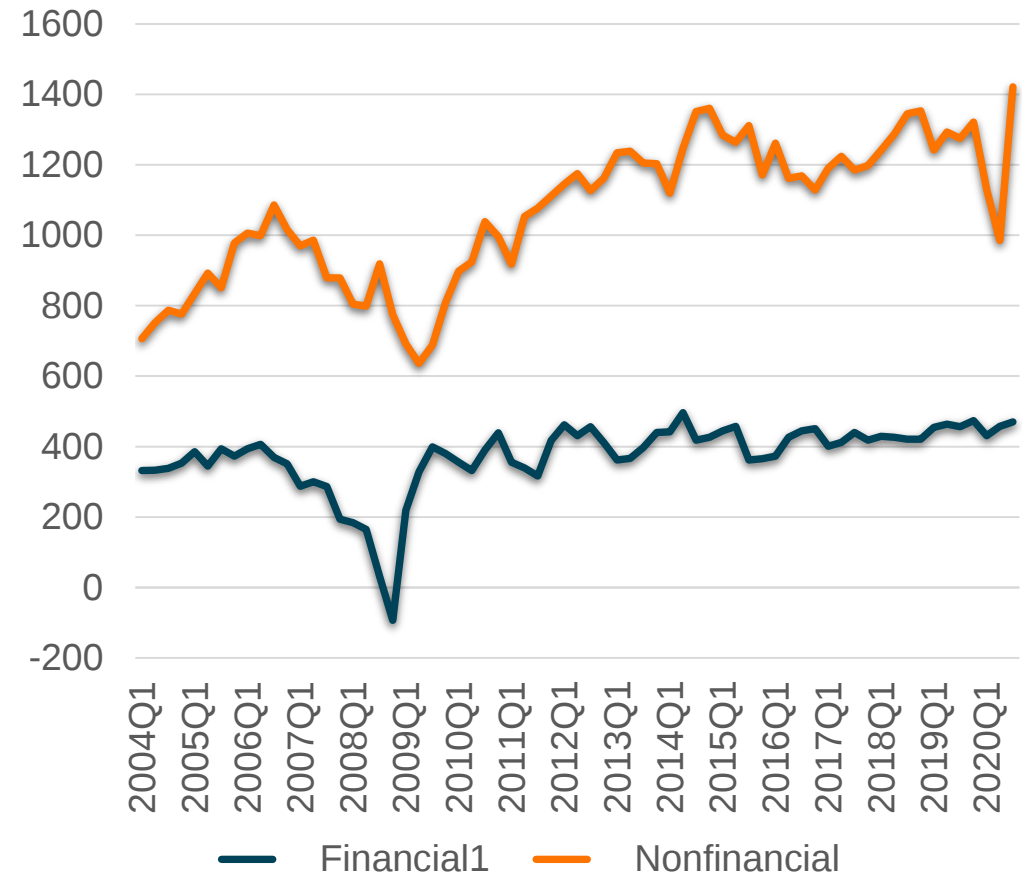


Investment Trends

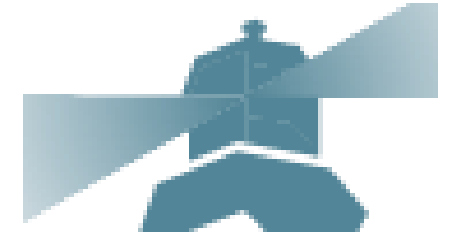


	Q4	Q4 to Q4 Gr
Private fixed investment	3457.8	2.1%
Information equipment	581.9	18.1%
Residential	693.9	13.7%
Software	485.9	5.2%
Industrial equipment	249.5	1.7%
Other equipment	252.2	1.5%
Research and development	448.2	0.7%
Commercial health structures	156.1	-4.5%
Power communication structures	108.8	-9.4%
Entertainment, literary, artistic	74.4	-11.7%
Transportation equipment	249.2	-11.9%
Manufacturing structures	51.6	-15.8%
Other structures	78.1	-19.0%
Mining exploration, shafts, wells	74	-31.4%

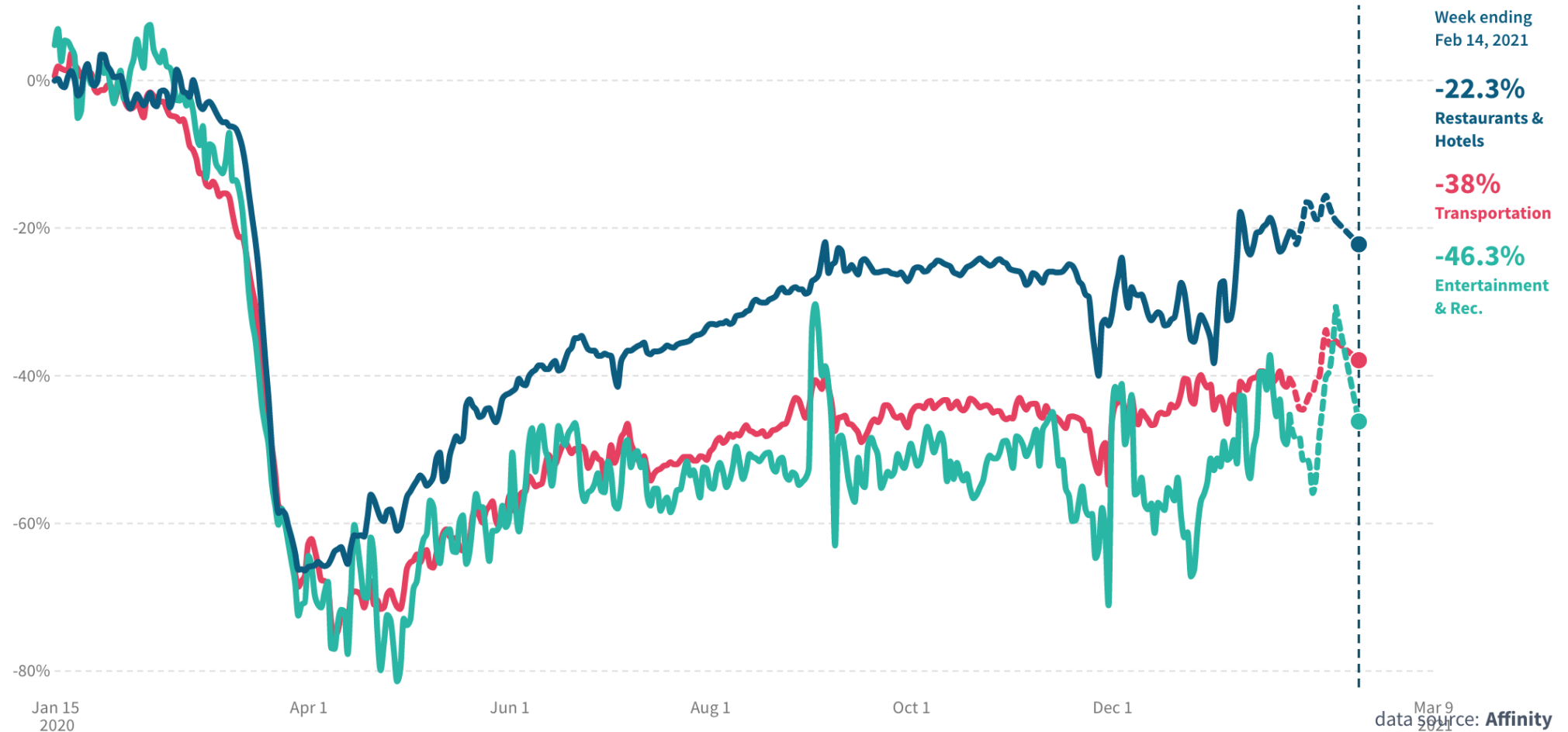
Corporate Profits to Q3 20



Lagging Sectors



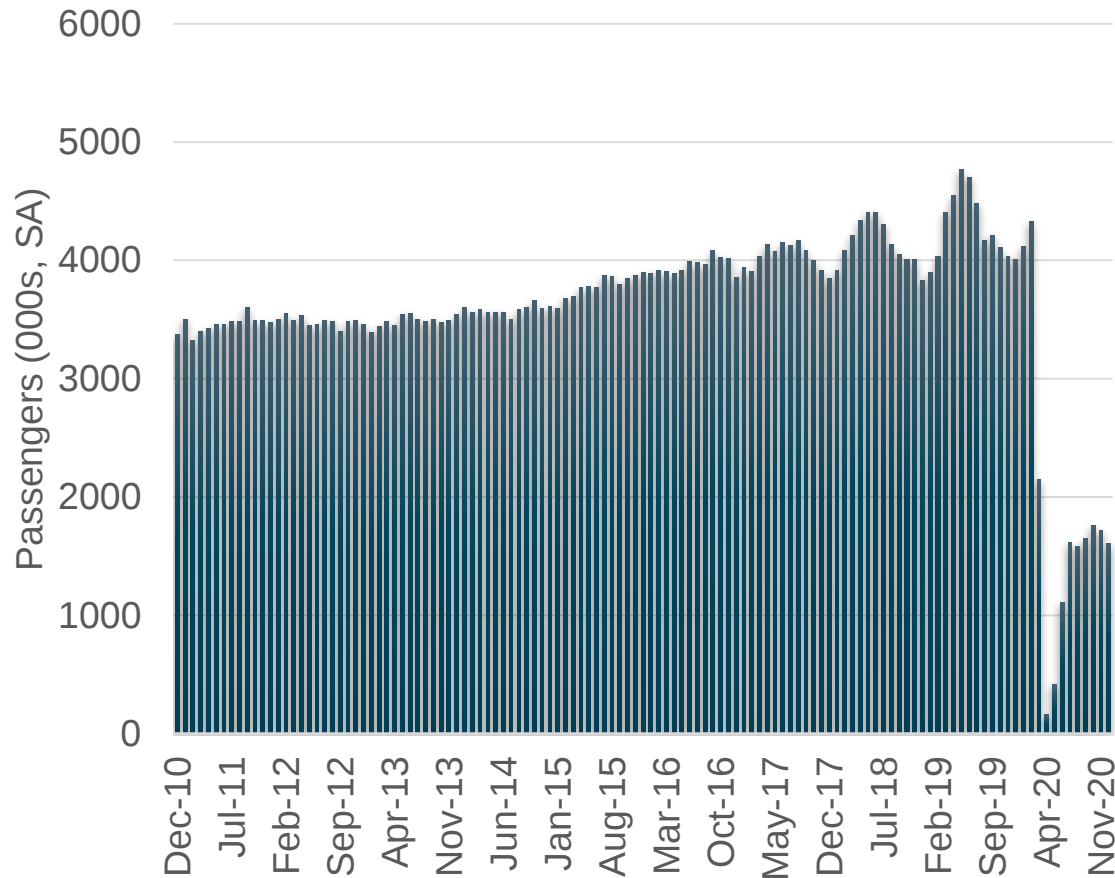
Opportunity Insights Data



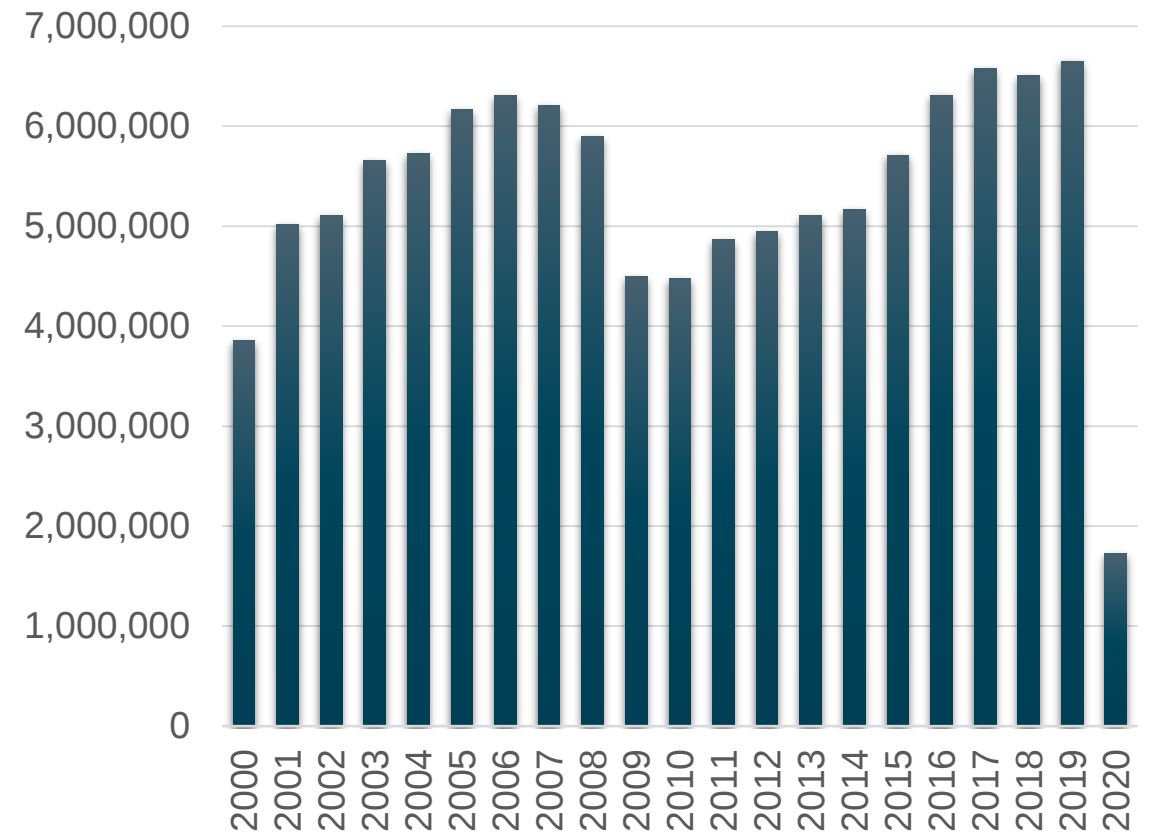
Las Vegas Travel Stats



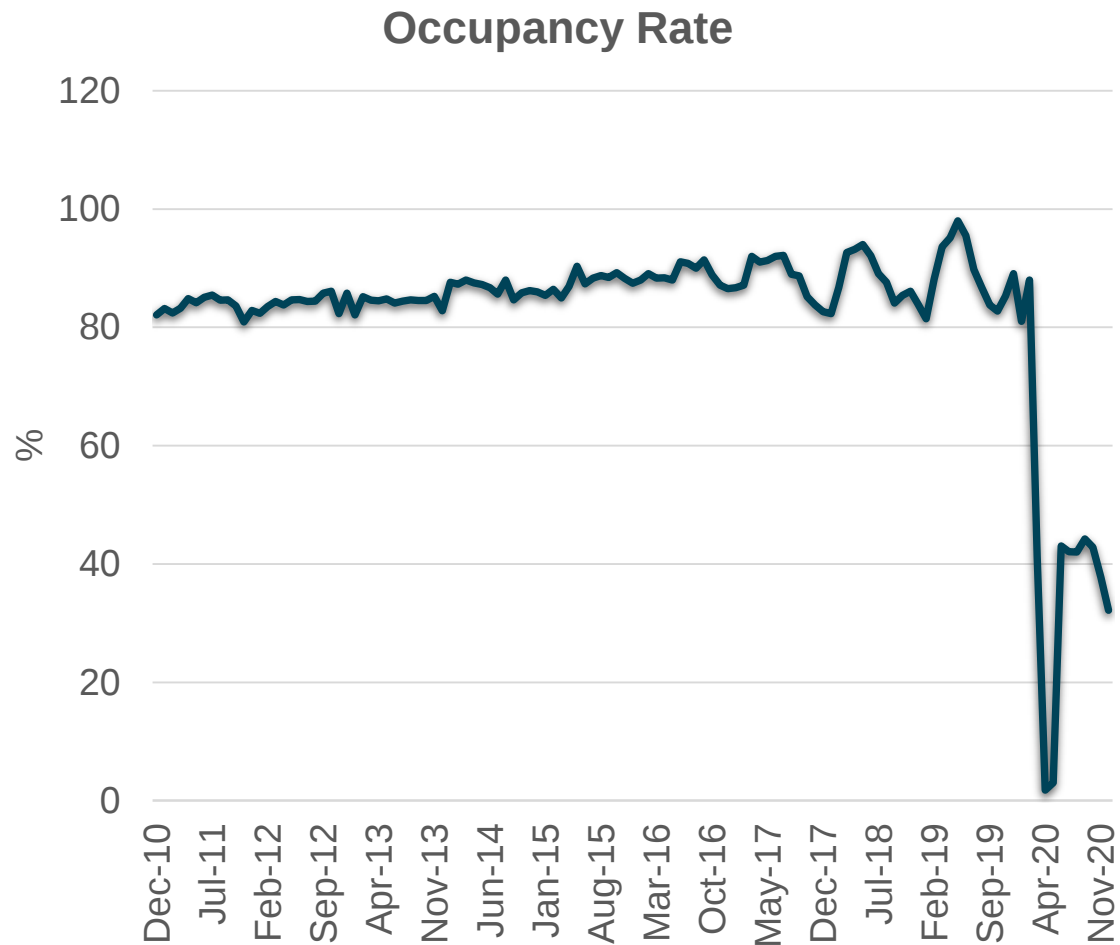
McCarran Total Passengers



Annual Convention Attendance Las Vegas Metro

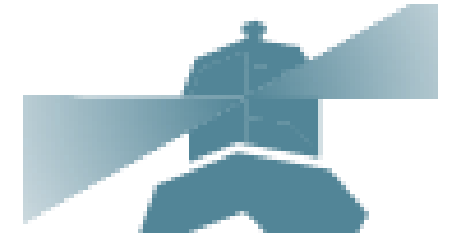


Las Vegas Hotel Stats

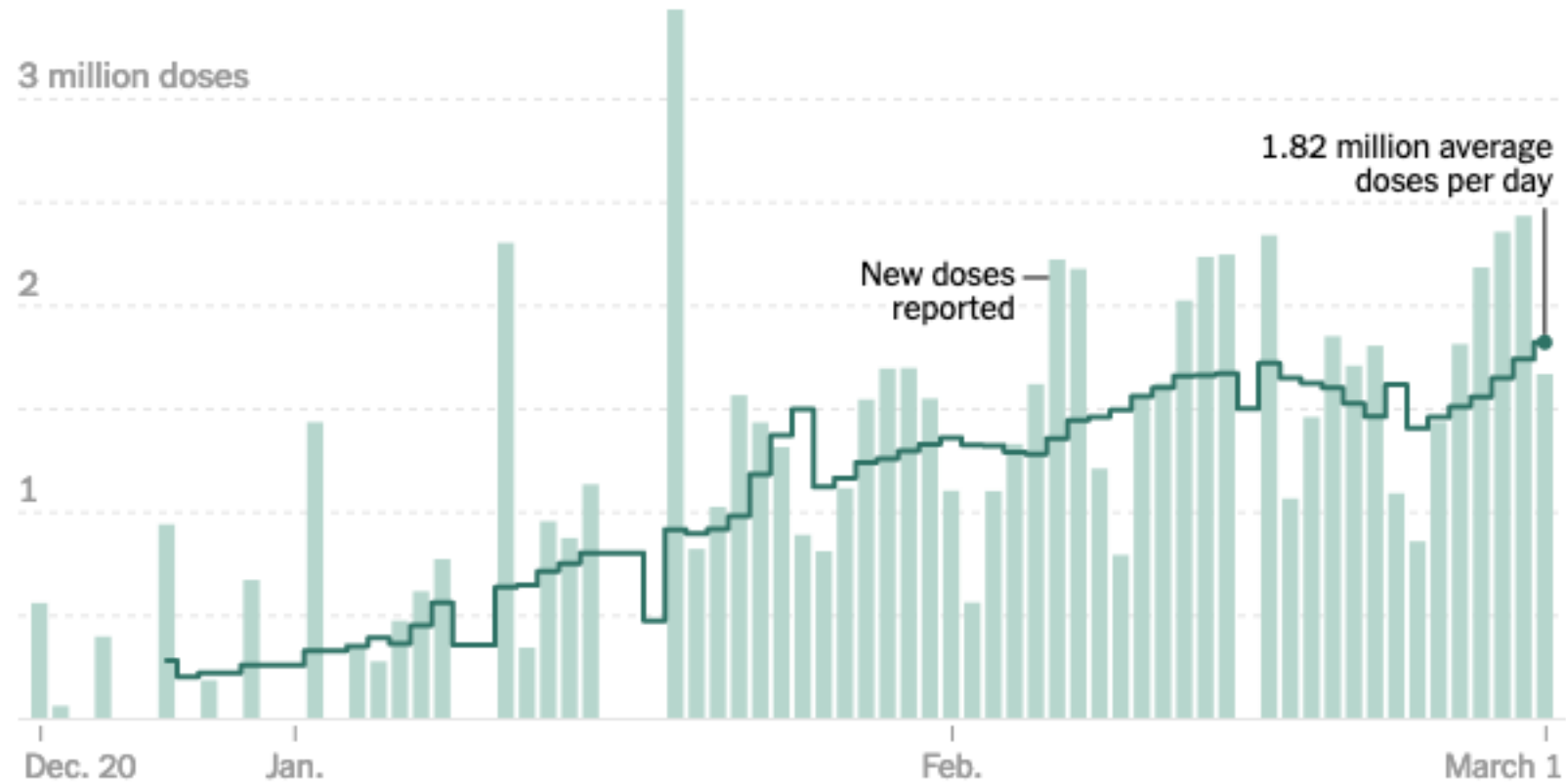


Variable	2020	2019	1-Yr Change
Occupancy	42.1%	88.9%	46.8
Average Daily Rate	\$120.3	\$132.6	-9.3%
RevPAR	\$50.7	\$117.9	-57.0%

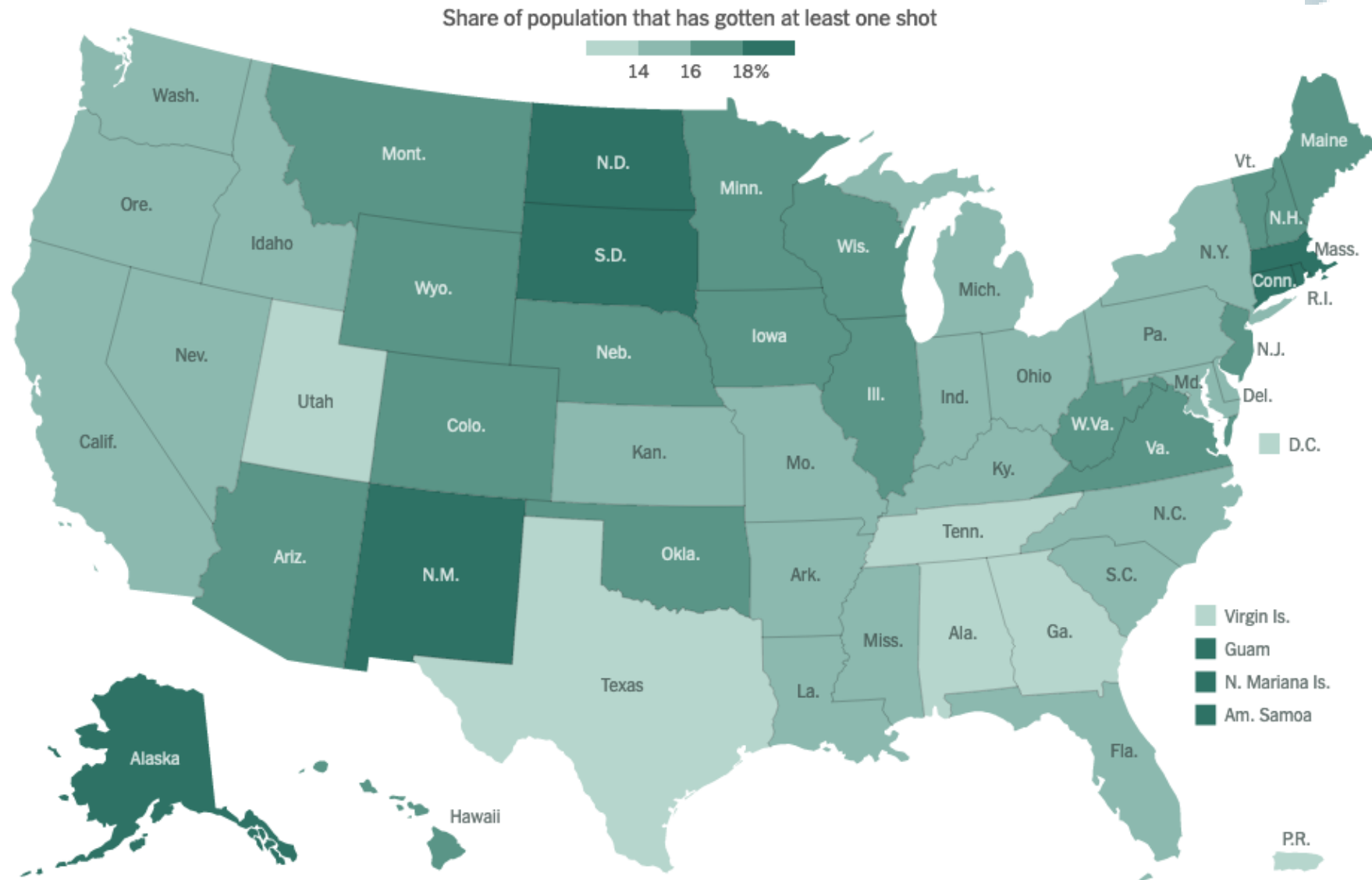
Moving towards control



New reported doses administered by day

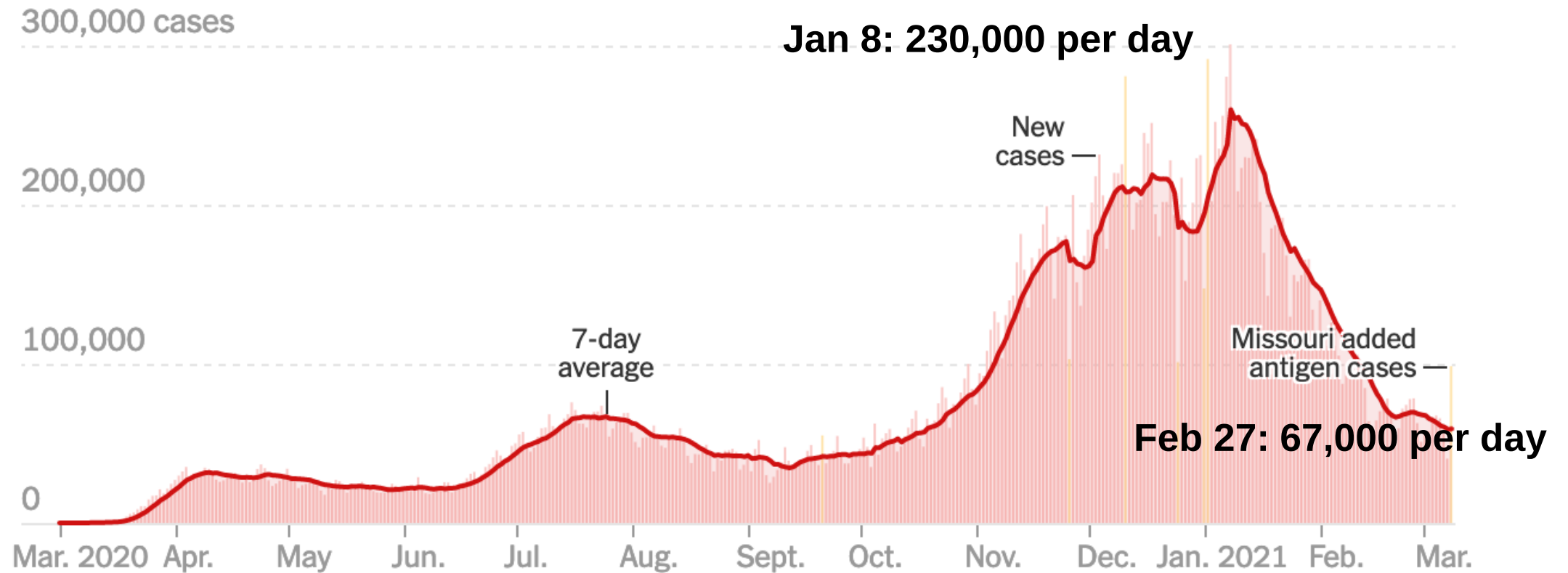
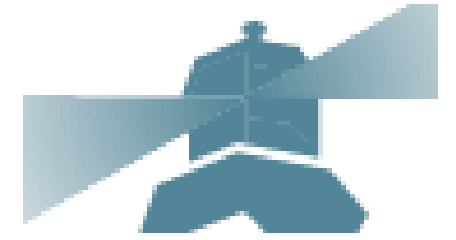


Moving towards control



Source: Centers for Disease Control and Prevention

New Cases Dropping Rapidly



State-level Metrics

Total

Per 1M people

Last 90 days

Historical

----- Dashed line represents National 7-day average

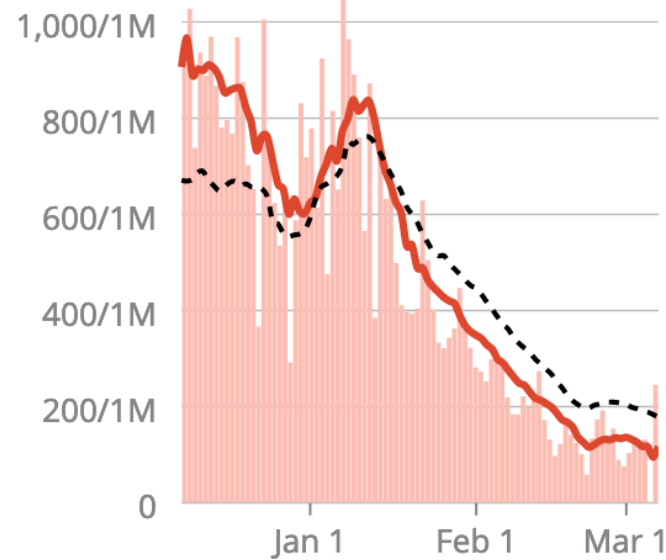
—— Solid line represents Nevada 7-day average

New tests (Notes)

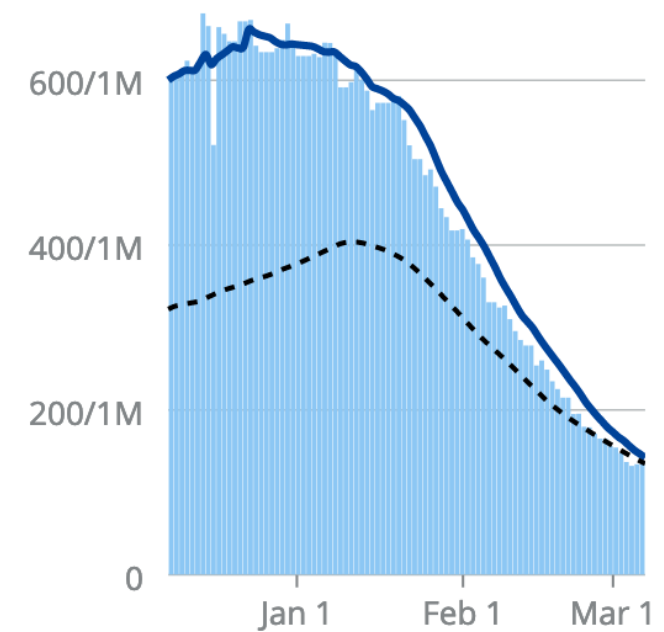
Total PCR tests (test encounters)



New cases

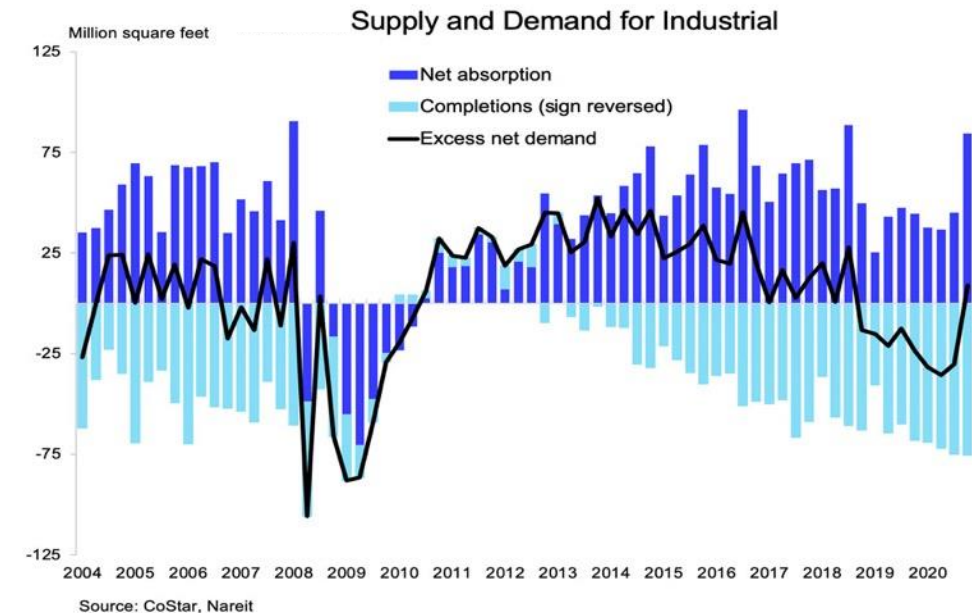
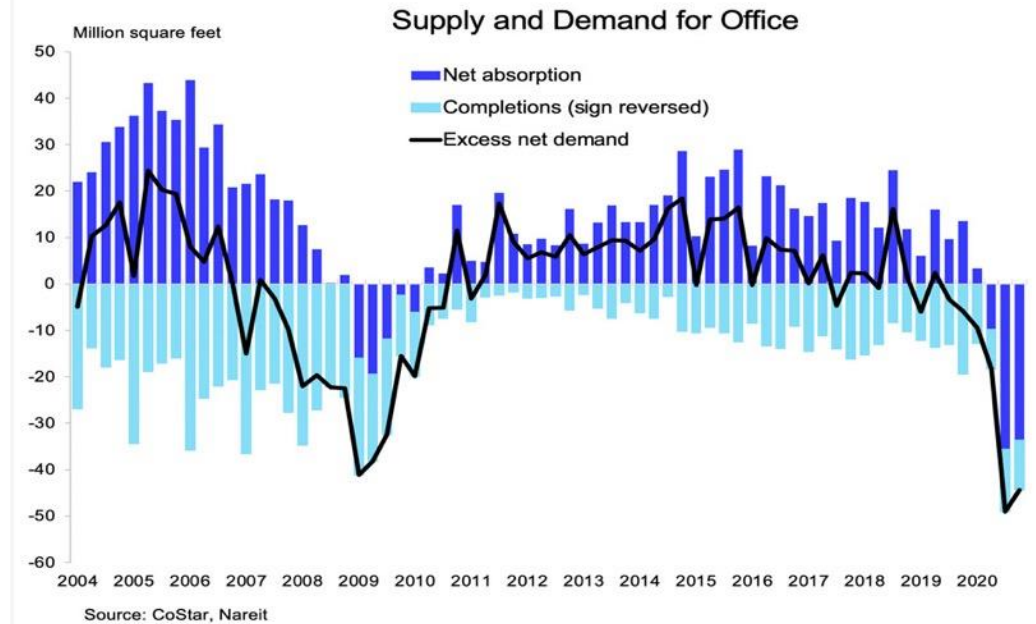
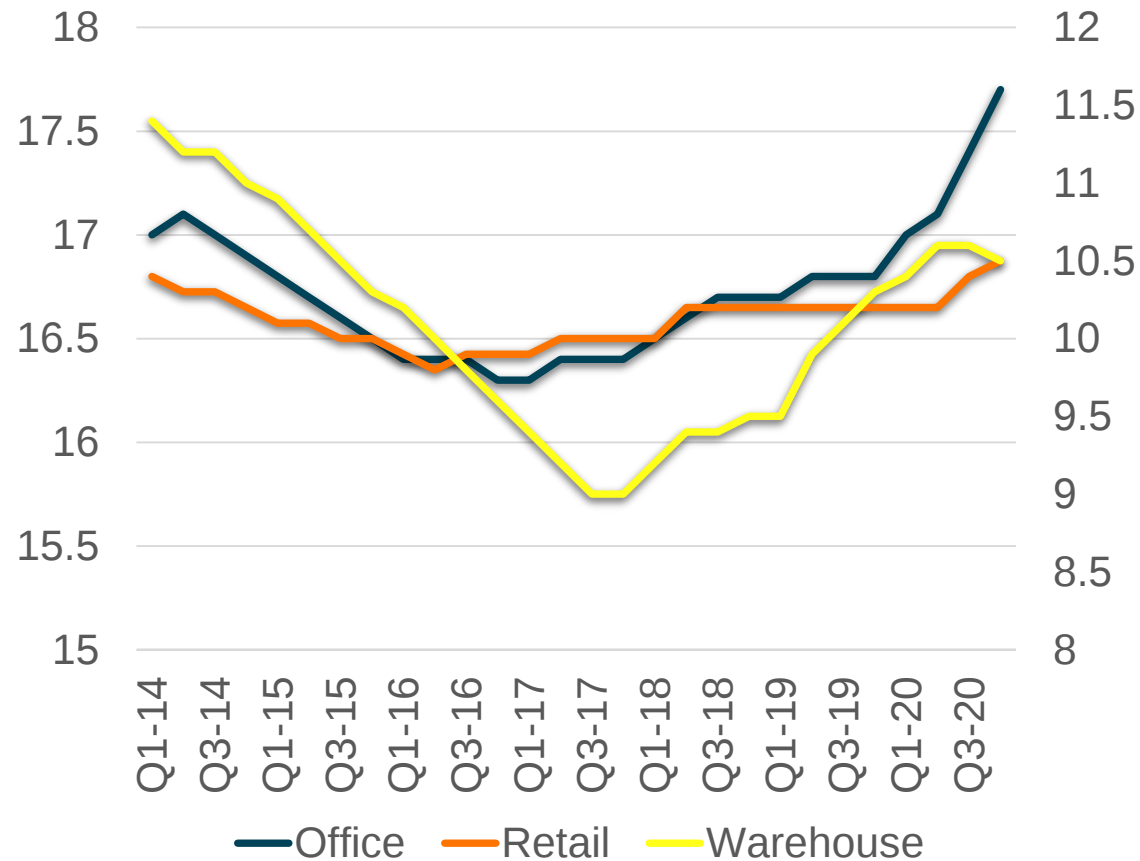


Current hospitalizations

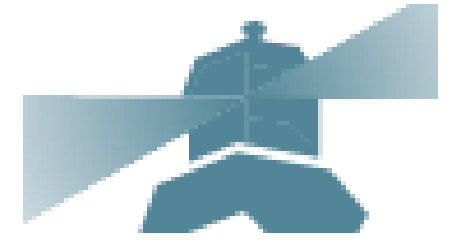


Commercial Real Estate

Vacancy Rates (REIS)

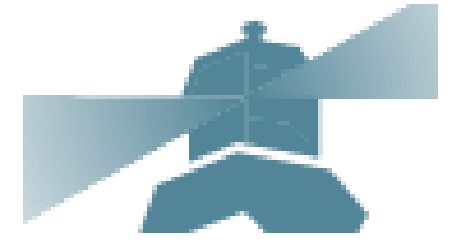


Local Shifts

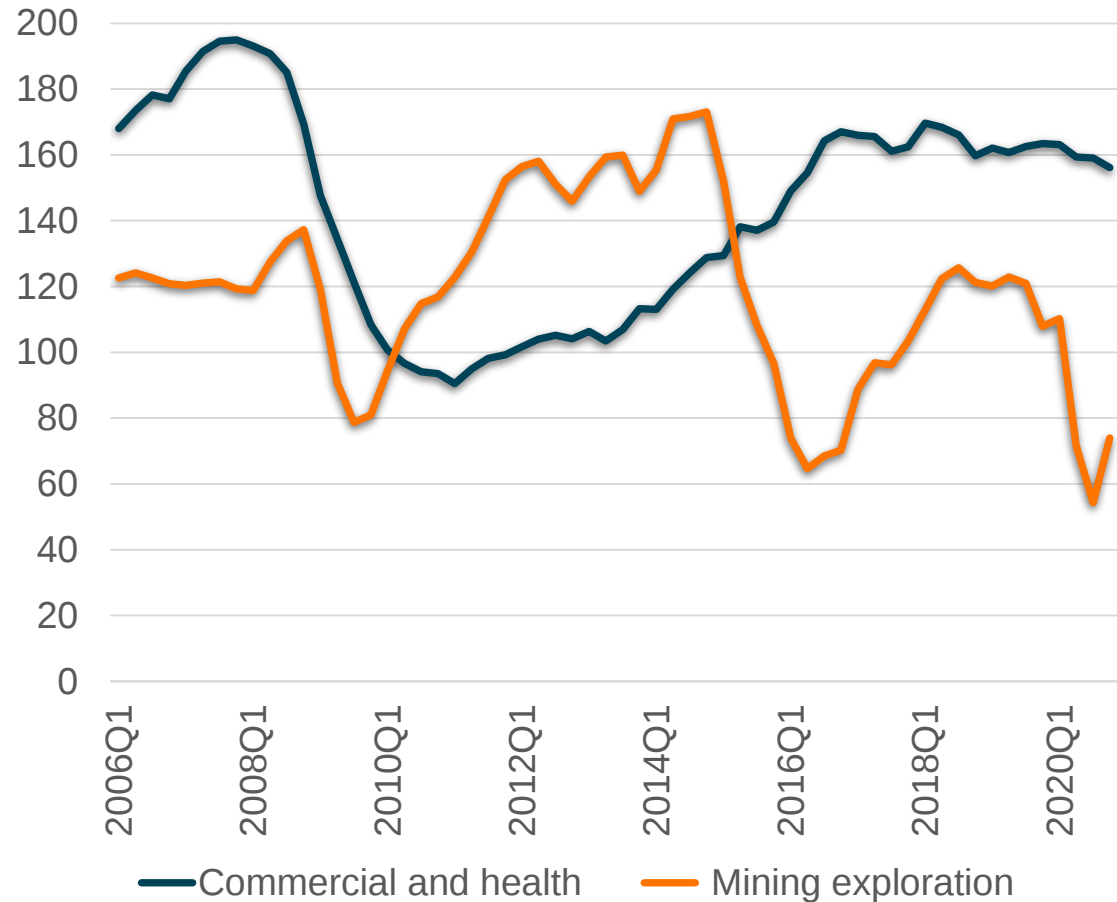


	Office				Warehouse			
	Vacancy		Rent		Vacancy		Rent	
	Q4-20	YoY	Q4-20	YoY	Q4-20	YoY	Q4-20	YoY
United States	17.7	0.9	34.5	0.6%	10.5	0.2	5.7	0.0%
Inland Empire	17.1	0.6	23.3	0.4%	9.9	0.1	5.8	0.0%
Las Vegas	23.9	0.8	25.4	-0.4%	7.6	0.8	7.0	1.4%
Los Angeles (MD)	15.3	1.1	40.6	0.2%	6.1	0.6	8.0	1.3%
Phoenix	21.5	-0.6	27.1	0.7%	13.4	-0.2	6.3	1.6%
Reno	23.0	1.4	20.8	-1.4%	10.5	-0.4	4.6	0.0%
Sacramento	19.0	0.5	27.1	0.7%	9.7	-0.1	5.1	0.0%
Salt Lake City	17.4	0.7	20.8	0.5%	5.5	-1.5	6.2	5.1%
San Jose	19.3	1.1	47.5	1.3%	9.1	0.8	8.5	1.2%
Tucson	25.0	3.5	22.1	-0.9%	15.7	0.0	5.6	0.0%

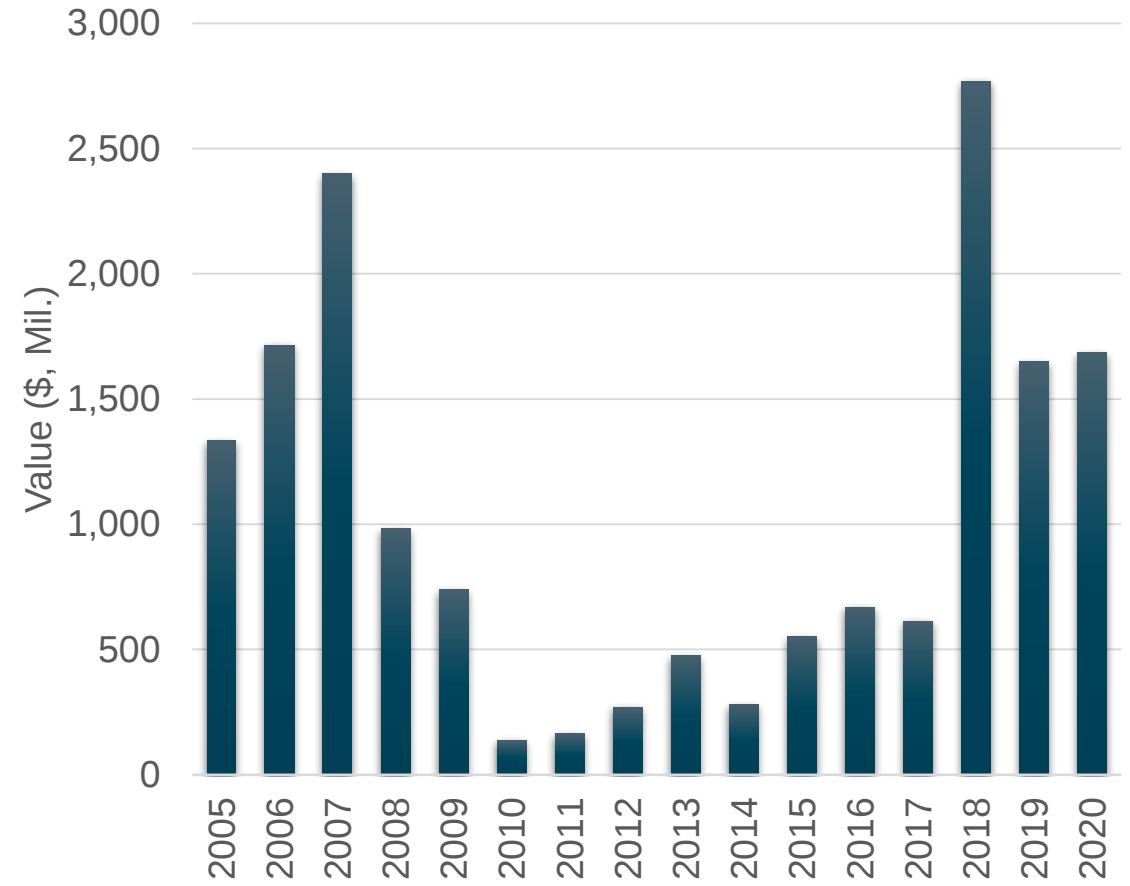
Commercial Construction Trends



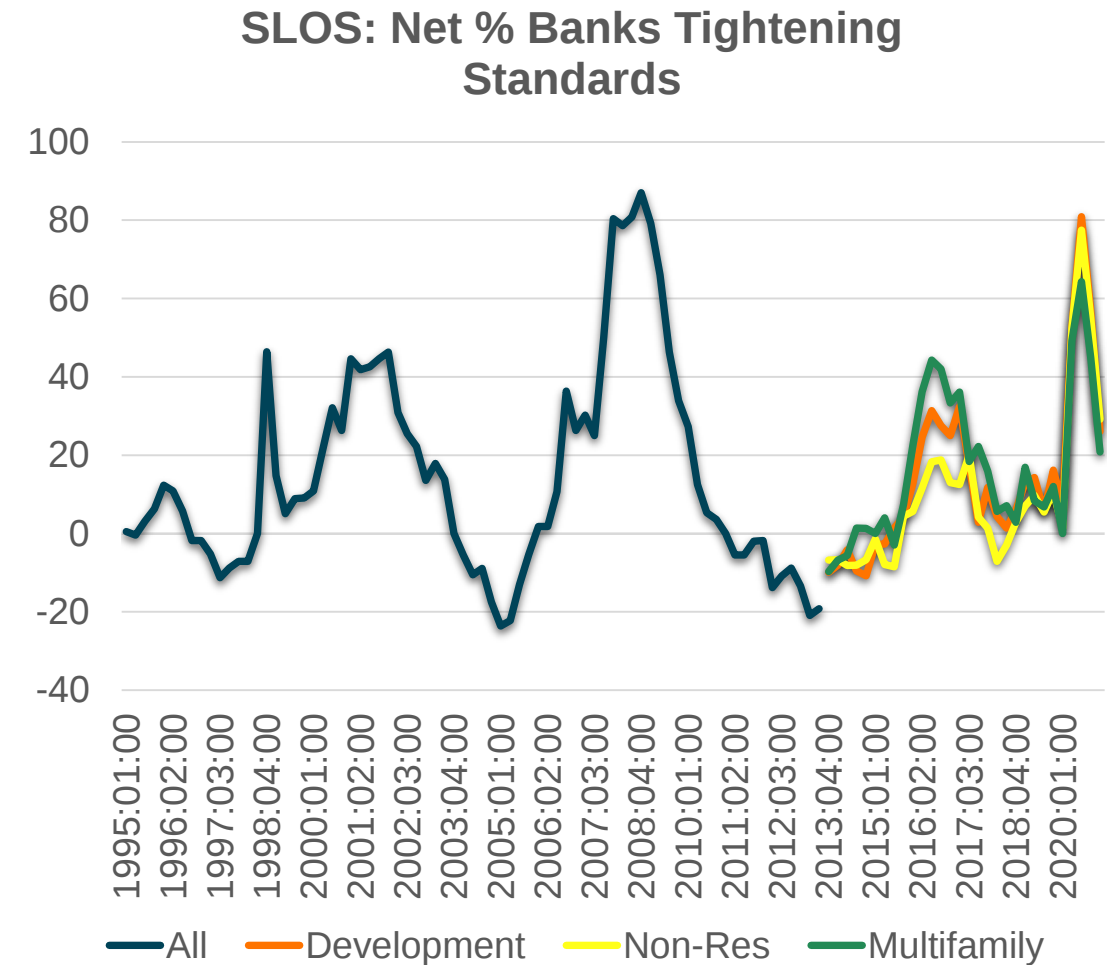
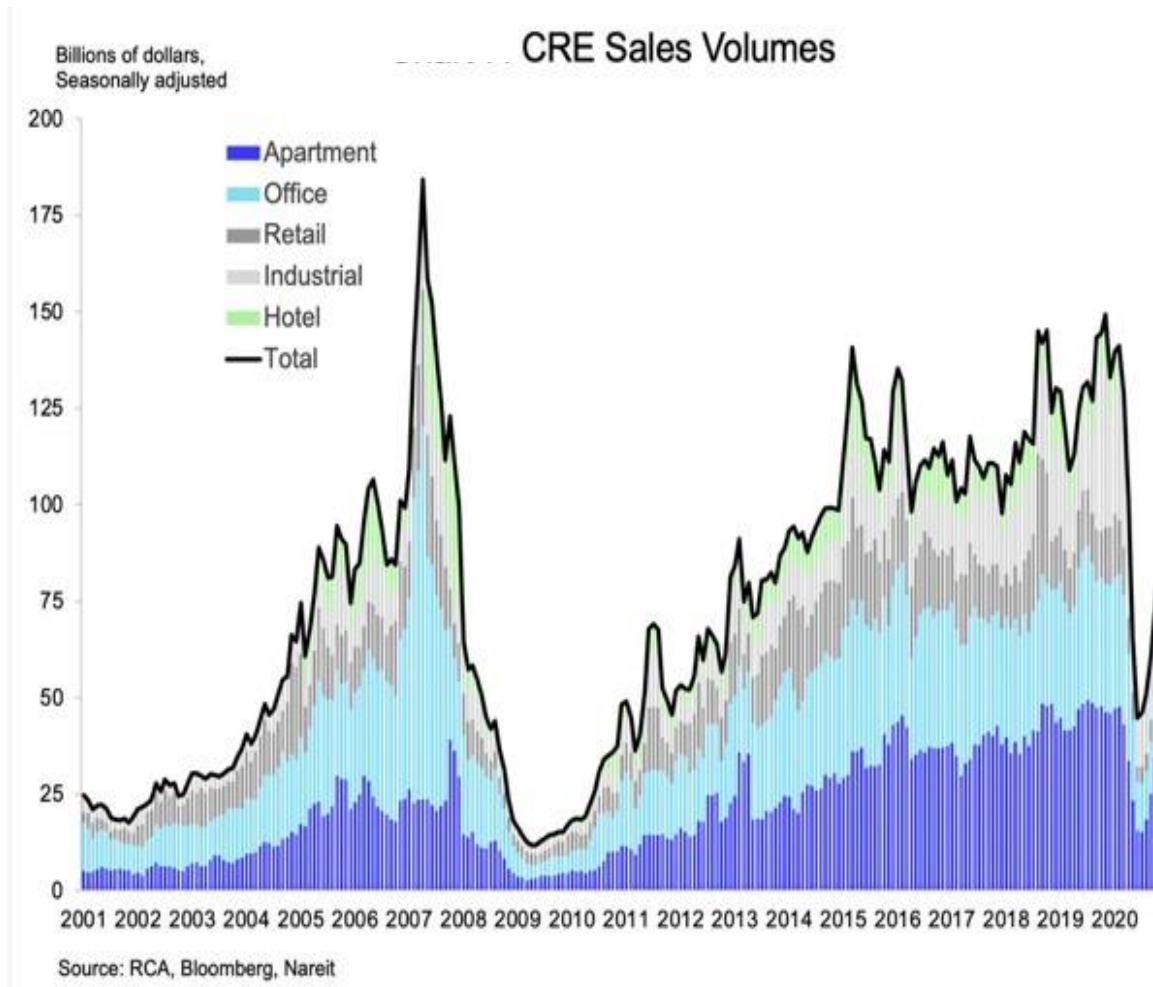
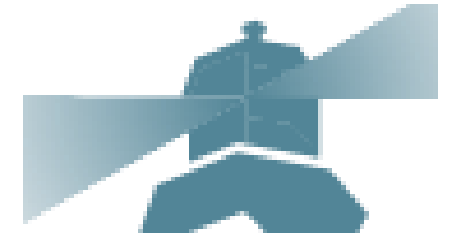
National Real Investment \$Bil



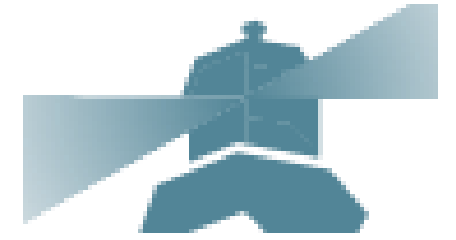
Commercial Permit Values



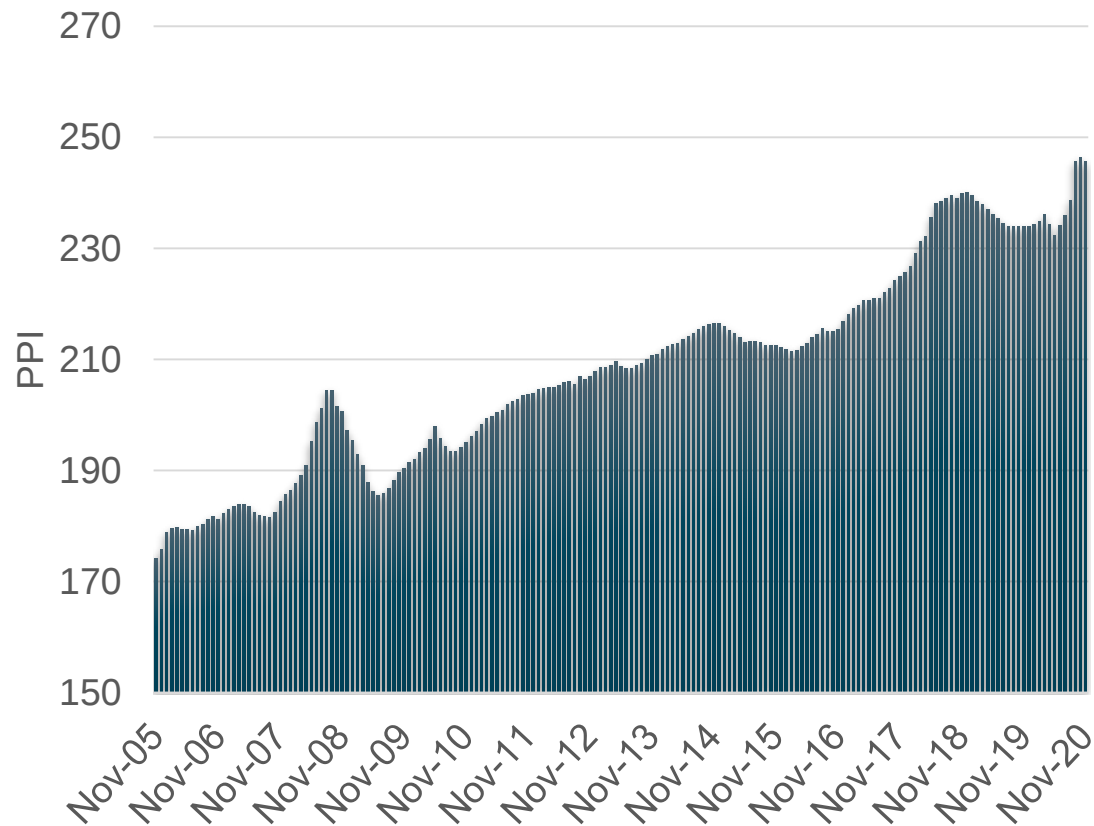
Commercial Sales: Picking Up



Construction Costs – National

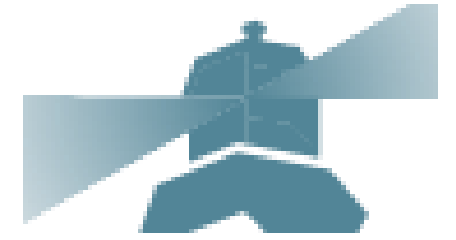


**PPI Construction Materials
Total US**

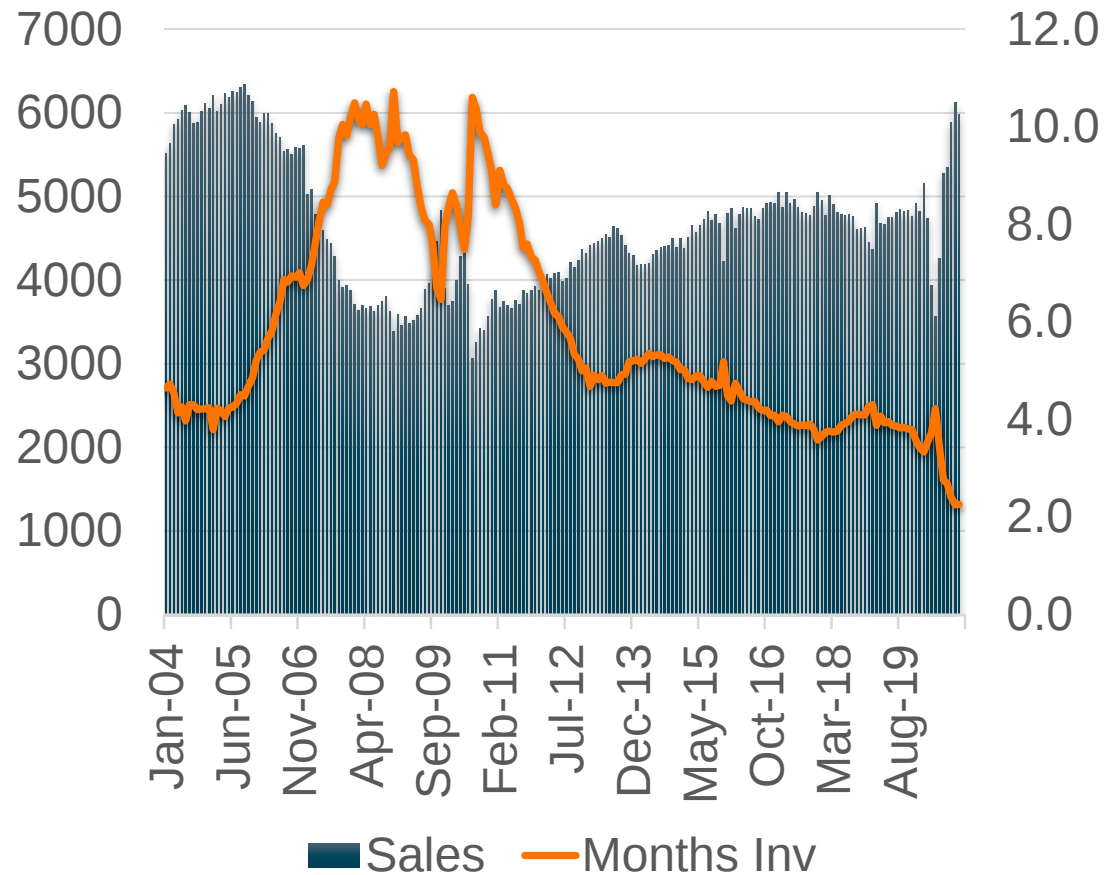


Commodity	PPI Nov-20	% Growth		
		Apr-Nov	1-Yr	5-Yr
Lumber	264.2	29.2	26.8	35.2
Natural gas	129.7	110.9	19.9	21.0
Iron & steel	210.4	2.8	2.6	20.1
Construction machinery	236.7	0.0	1.2	8.9
Coal	192.7	1.0	-1.3	1.0
Petroleum	147.6	63.5	-23.2	-5.5
Asphalt	148.7	0.5	-25.7	-6.8

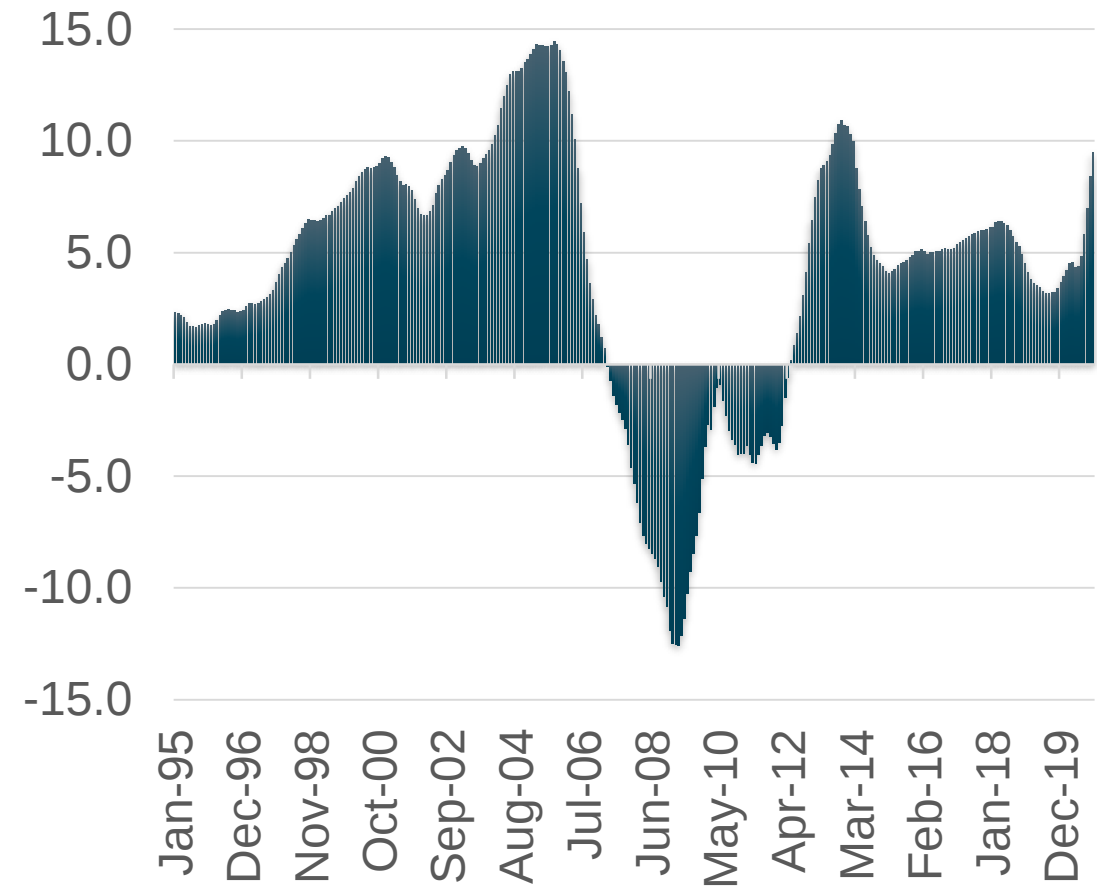
Housing – U.S.



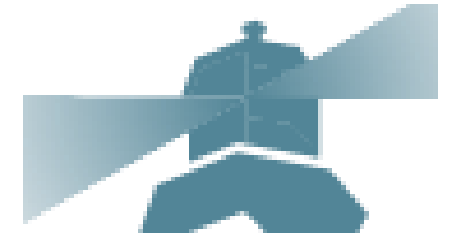
Existing Home Market



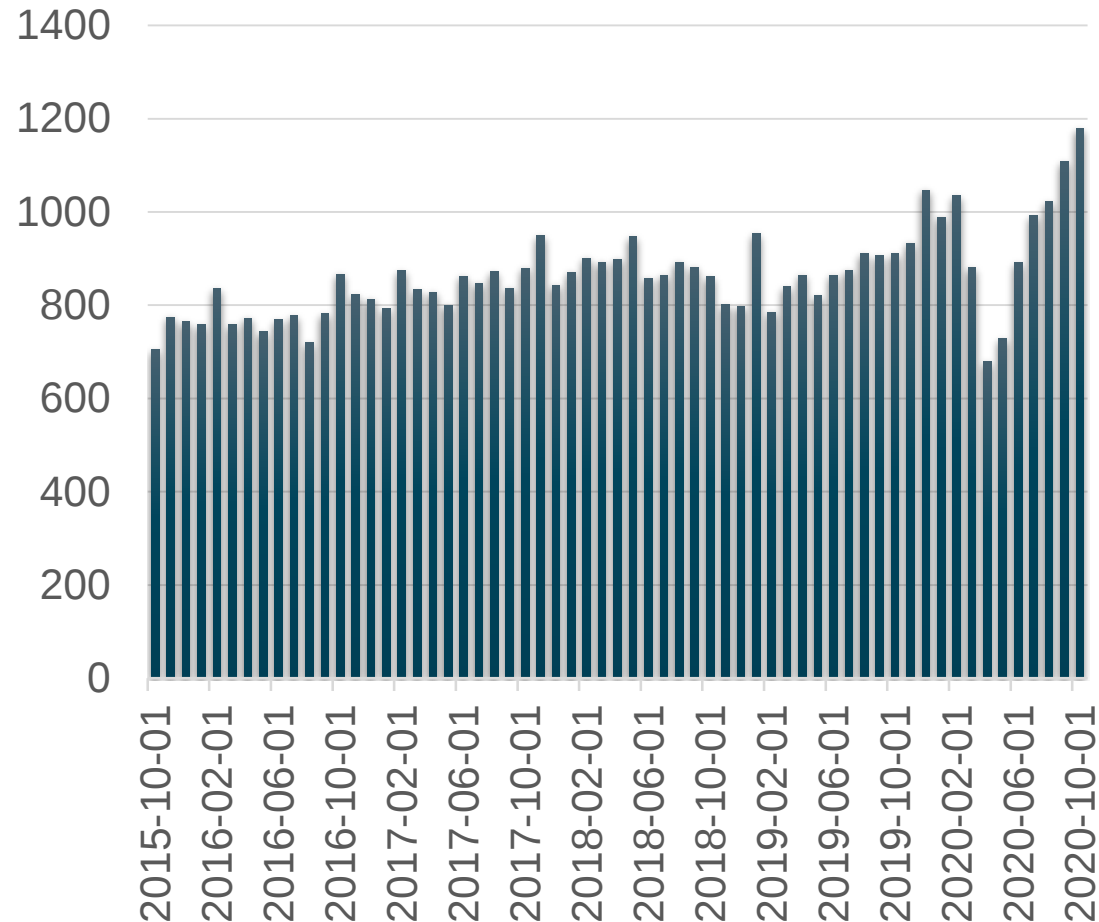
HPI Y-o-Y Change Case Shiller



Housing Starts / Sales



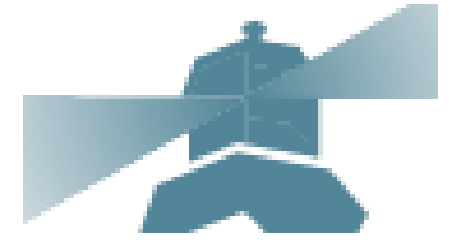
SF Housing Starts



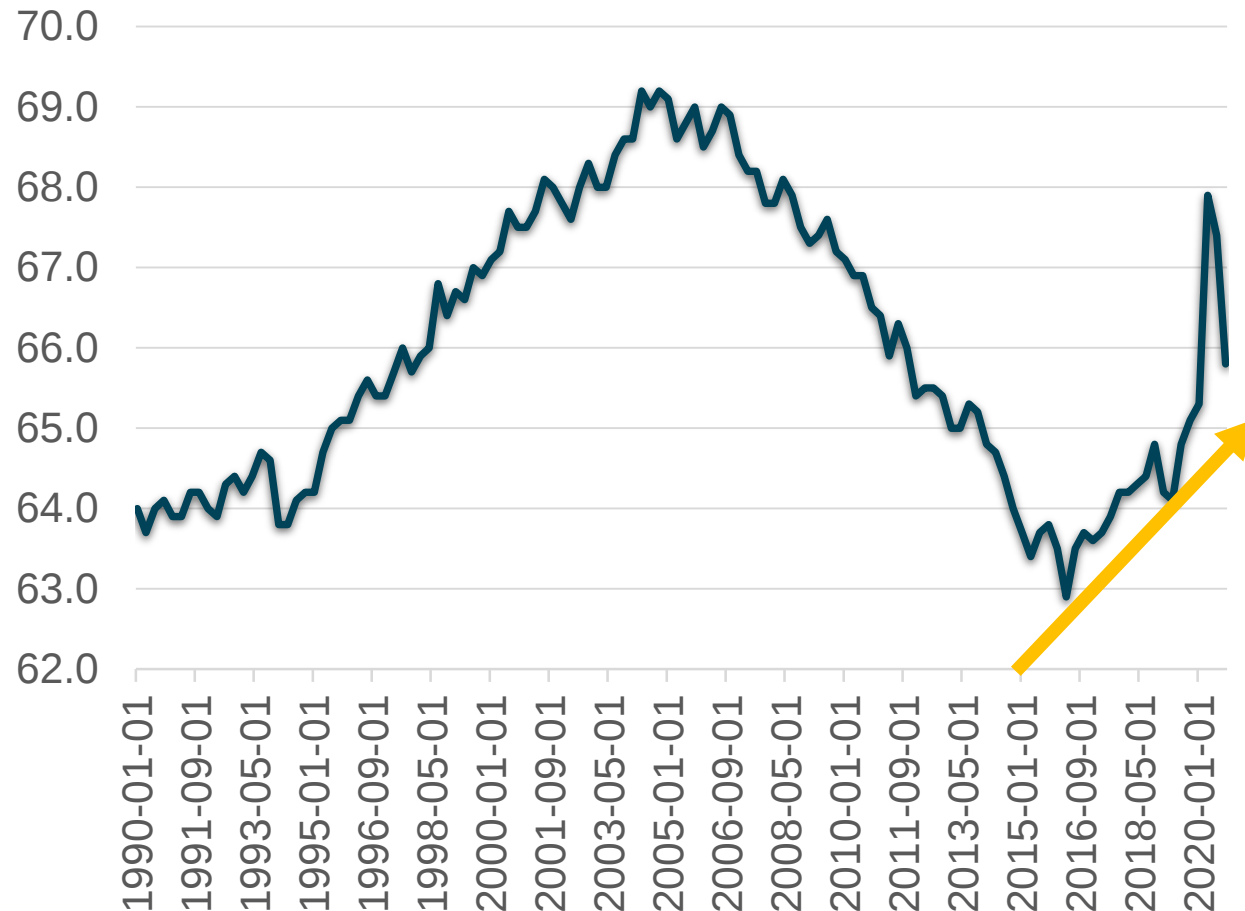
New Home Sales



The Big Shift

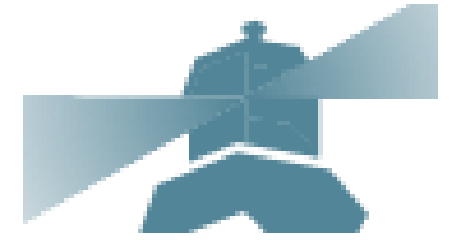


US Home-Ownership Rate



- Drivers of Housing Surge
 - Desire for more space
 - Movement to suburbs
 - Rebound from 2019 lull
 - Low interest rates
 - Cash pumped in system by stimulus
- Fundamentals
 - Tight inventories from slow construction
 - Lots of equity to leverage
 - Low HH debt to income

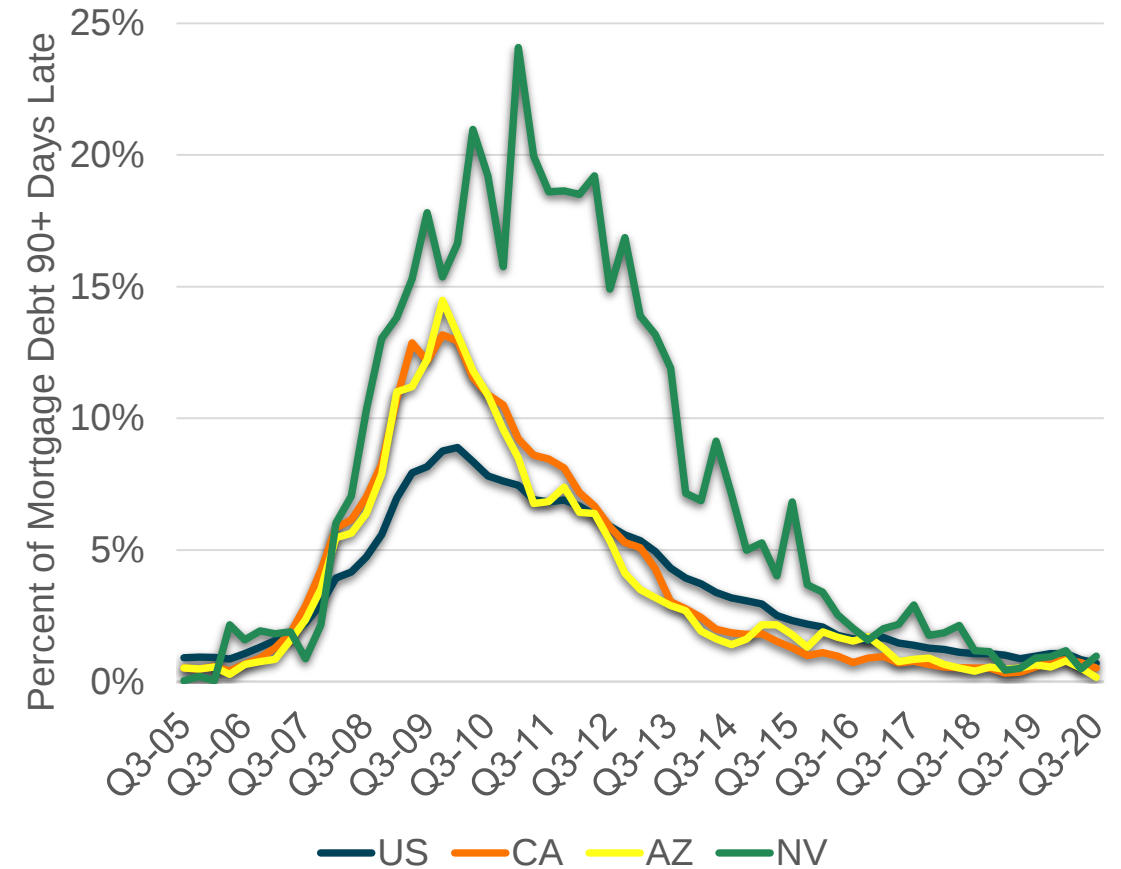
Bubble Alert? Not yet...



Mortgage Payments as % DPI



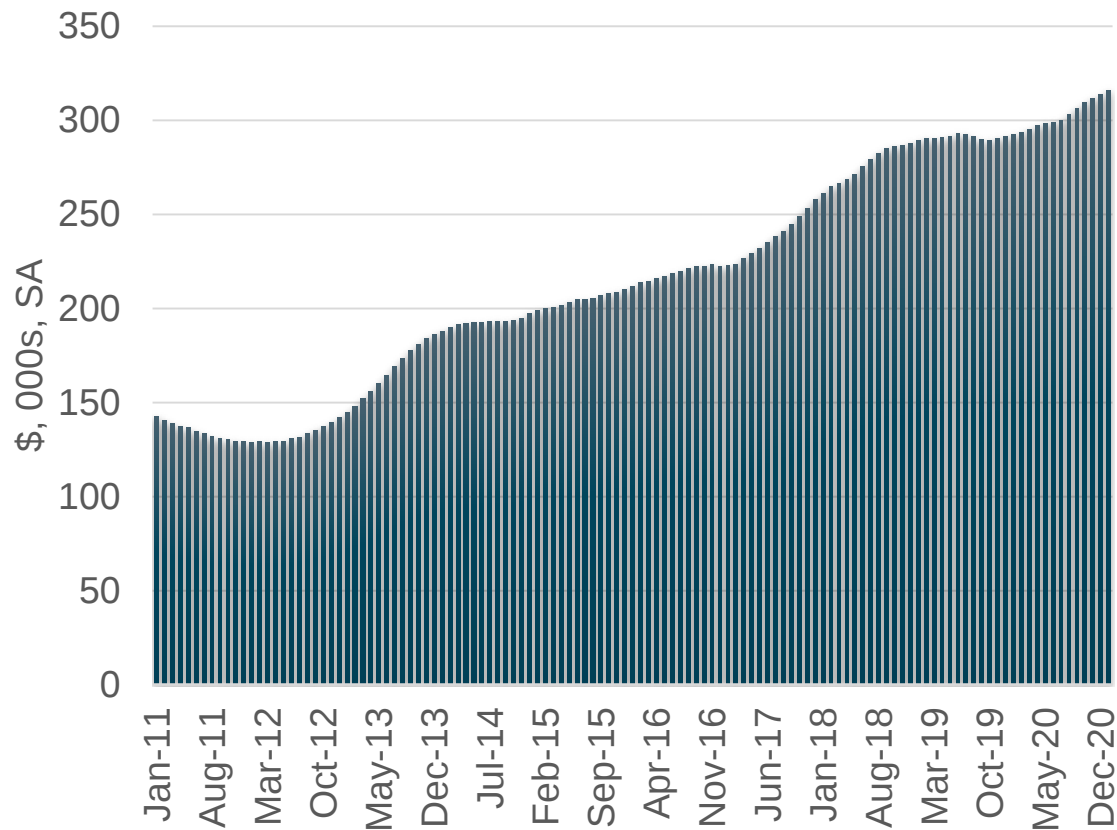
Percent of Mortgage Debt 90+ Days Late



Residential Market Clark County



Home Price
Clark County

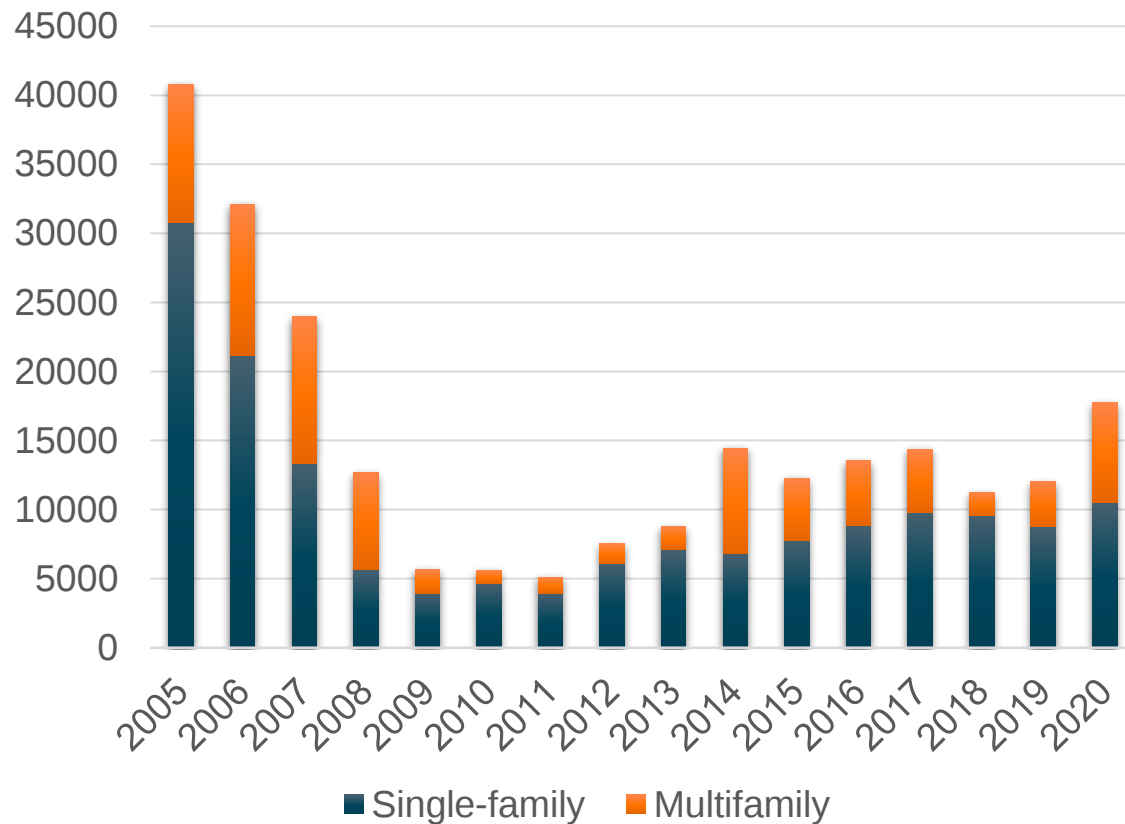


Clark County	Jan. 2020	Jan. 2021	1-Year % Chg
Home Price (000s)	275.0	315.0	14.5%
Sales	3268	3677	12.5%

Residential Permits

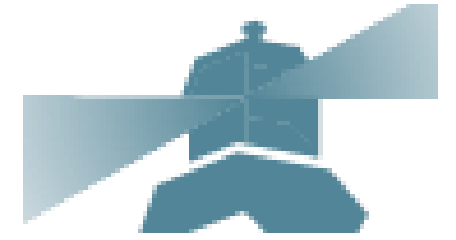


**Residential Permits
Las Vegas MSA**

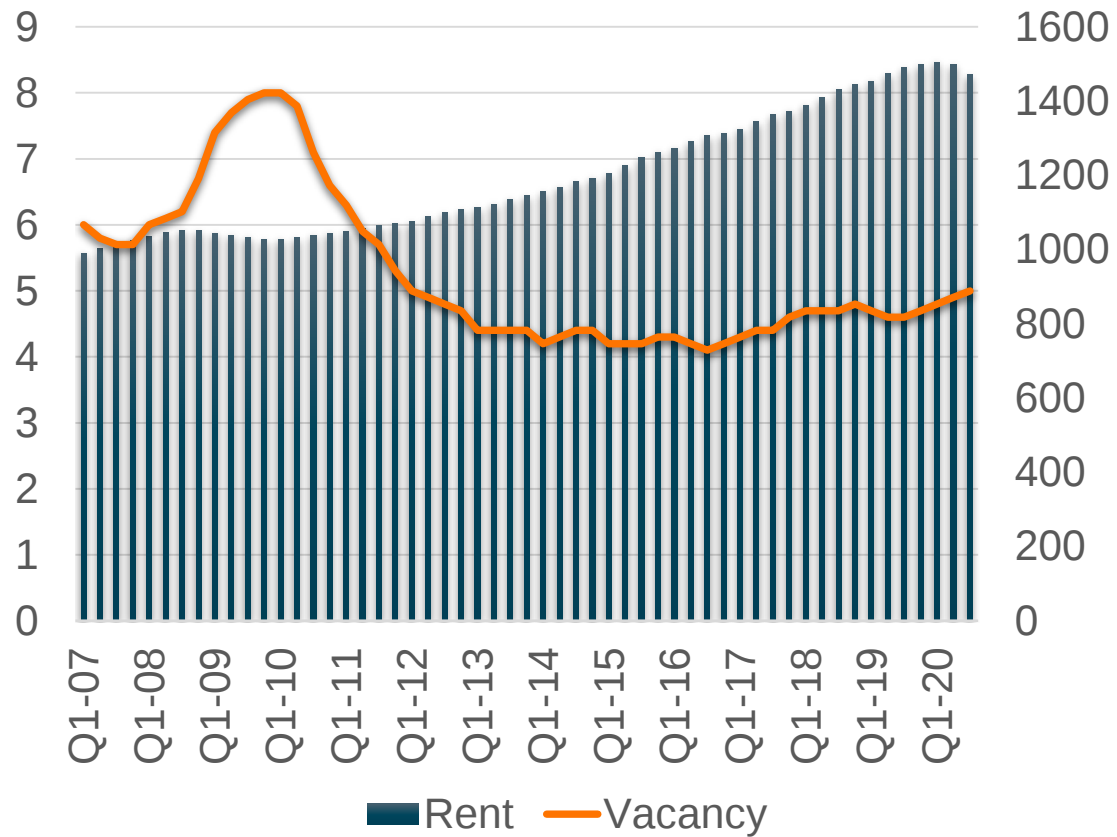


MSA	Single-family		Multifamily	
	2020	1-Yr Chg	2020	1-Yr Chg
Vegas	10,492	1,720	7,222	3,980
Reno	2,625	547	2,169	-919

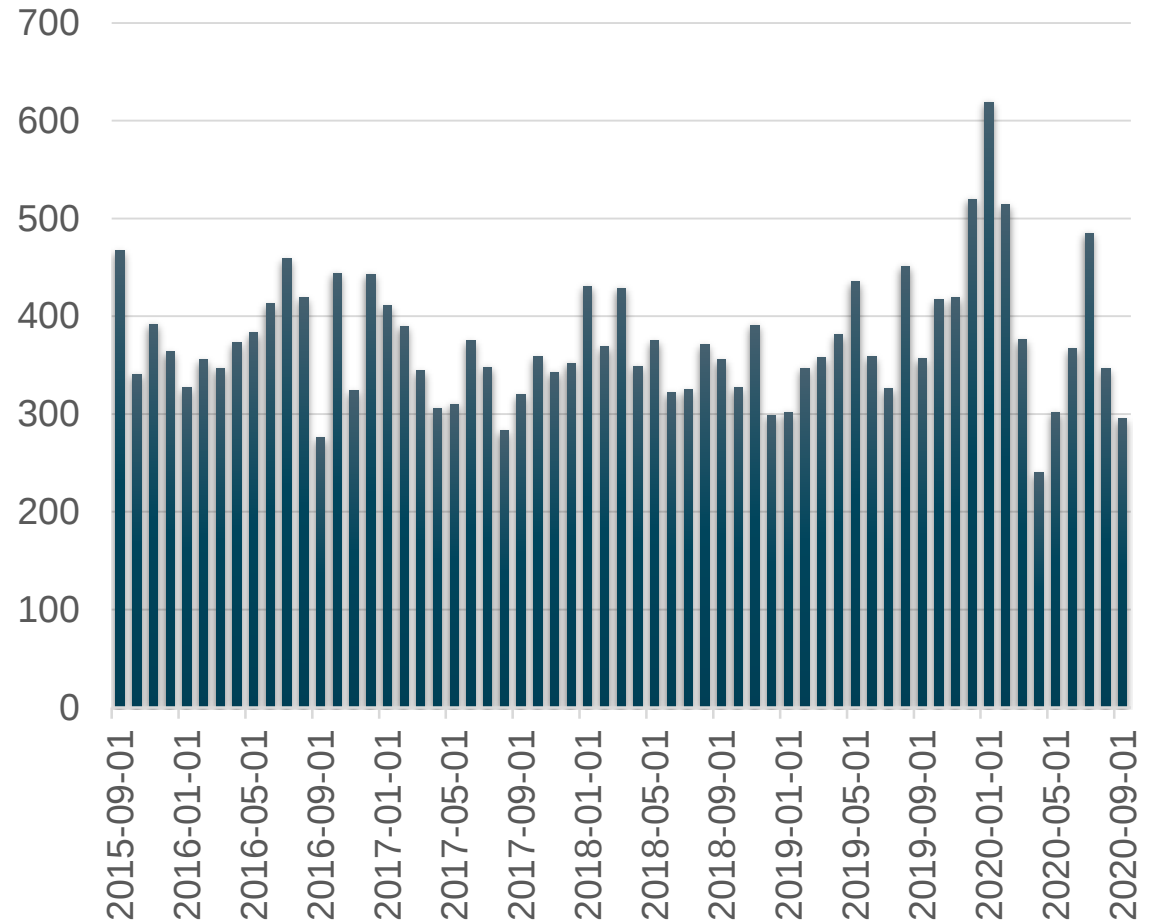
Apartments?



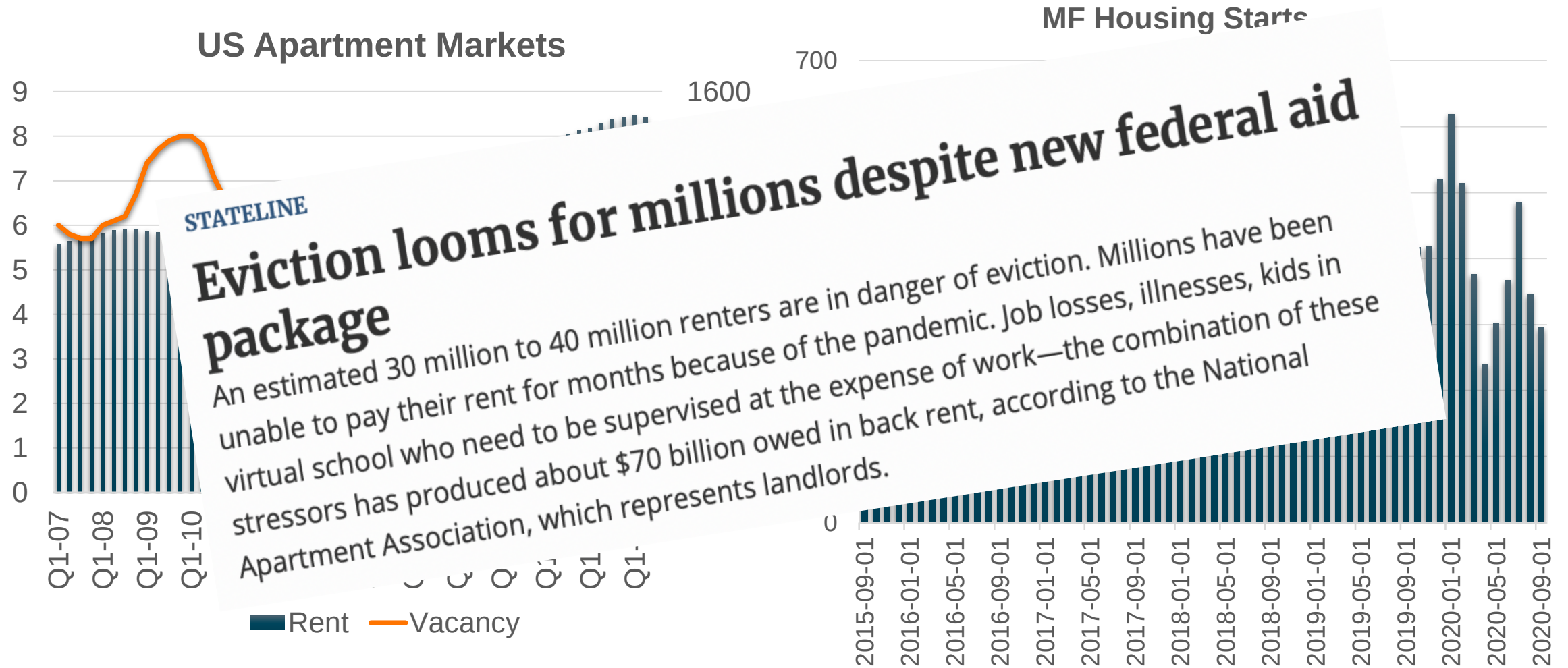
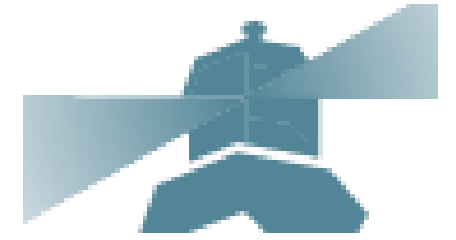
US Apartment Markets



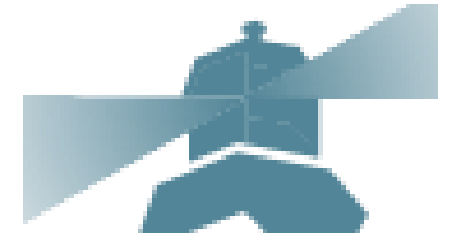
MF Housing Starts



Apartments?

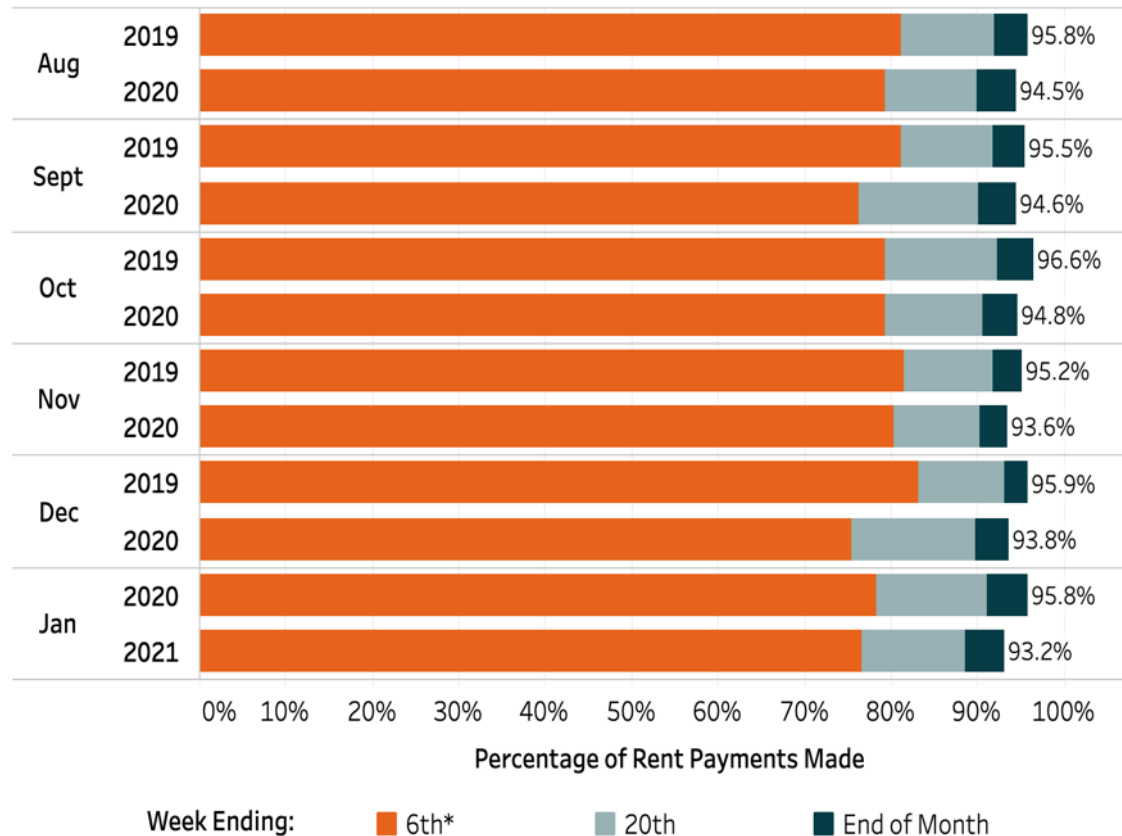


Apartment Market

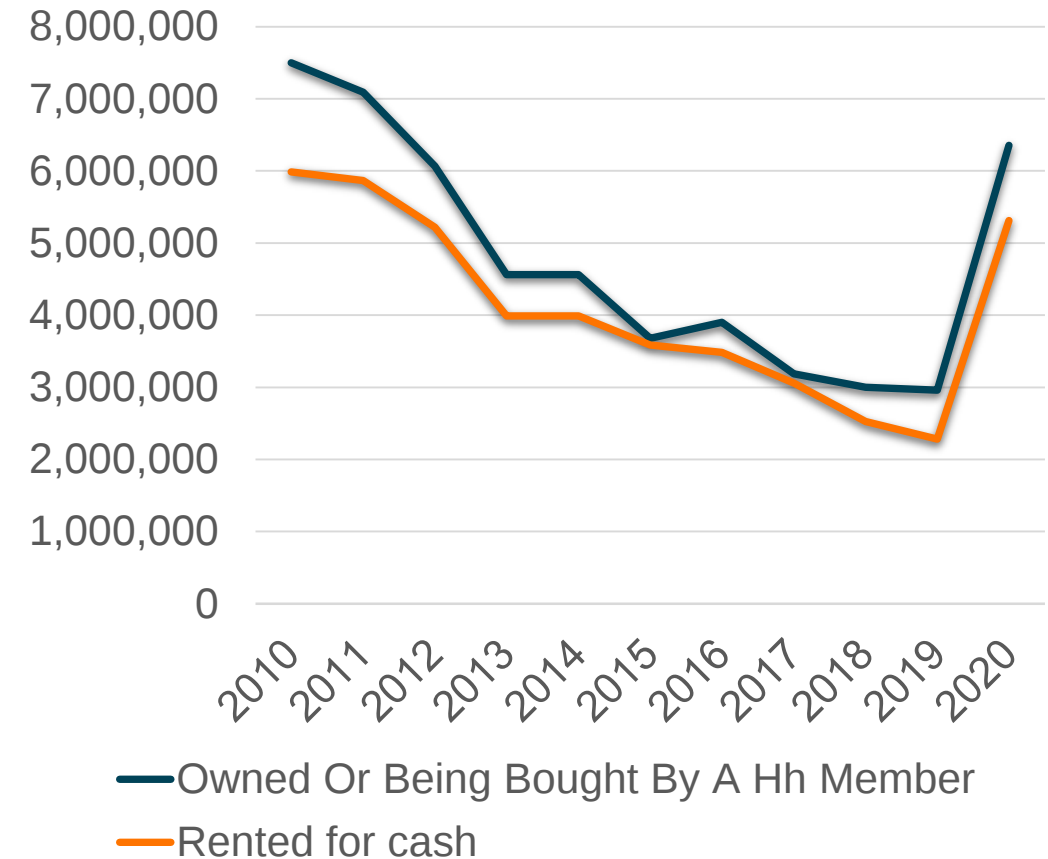


Rent Payment Tracker: Full Month Results

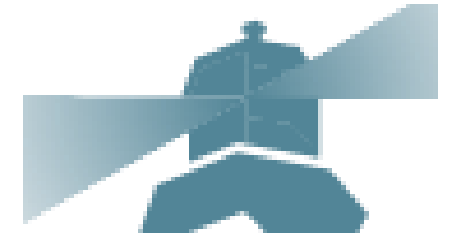
**Data collected from between 11.1 - 11.6 million apartment units each month



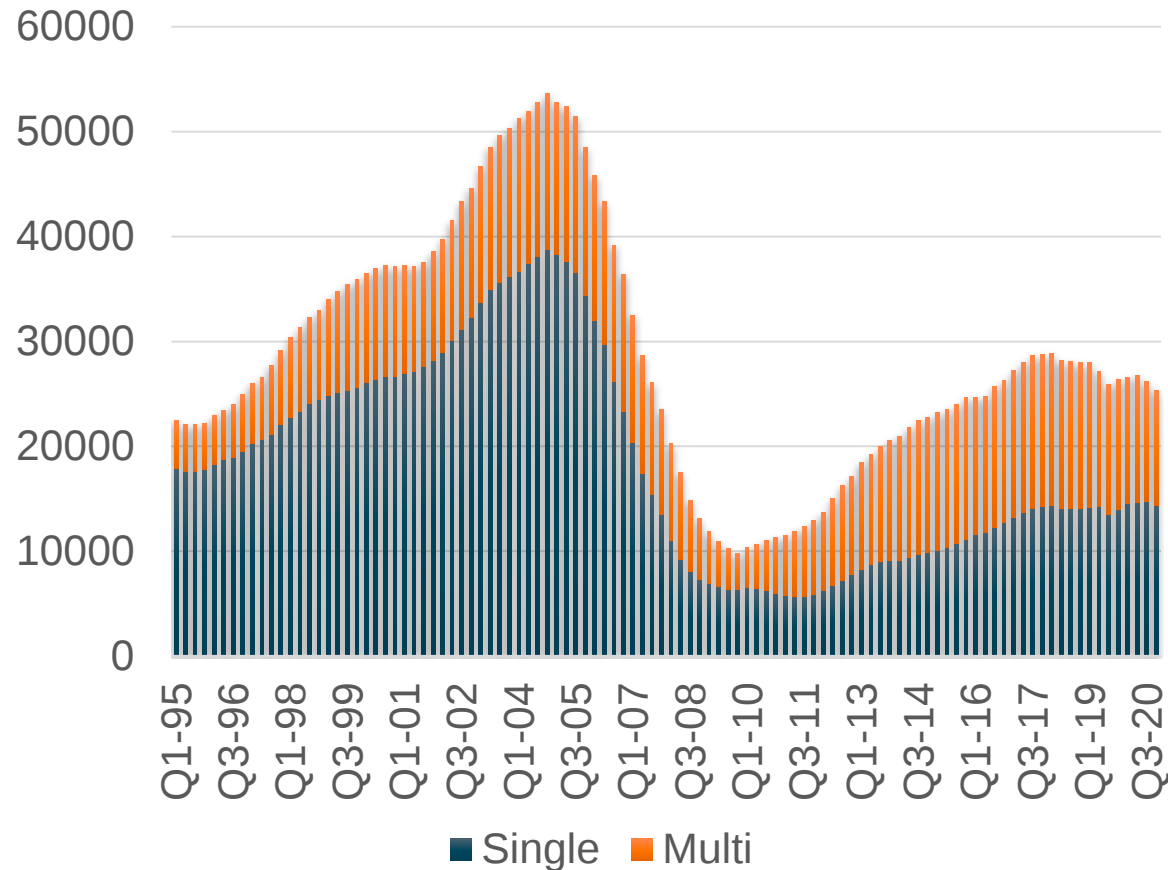
Unemployment by Tenure



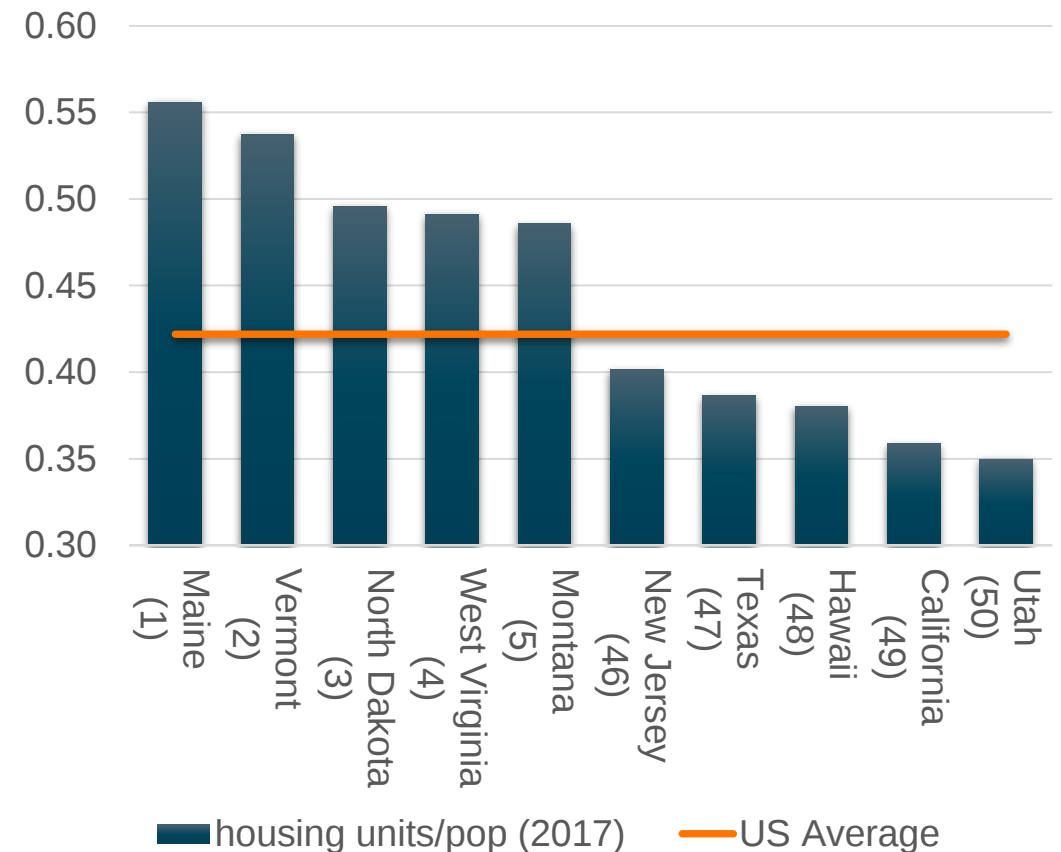
Whither the Housing Crisis?



CA Building Permits



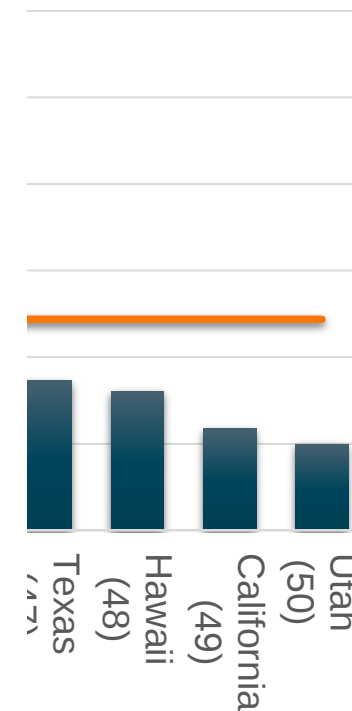
Housing Units per Capita (2017) - Top 5 and Bottom 5 States



State Migration Patterns, from Most Inbound to Most Outbound, 2020



2017) - Top 5
es)



—US Average

- Top 10 States for **Inbound** Migration
- Top 10 States for **Outbound** Migration

Source: United Van Lines, 2020 *National Movers Study*.

Population

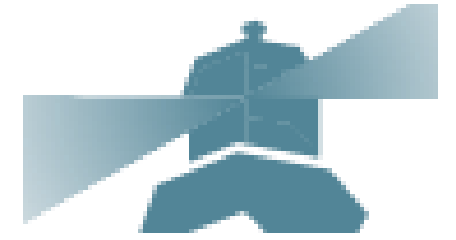


City	2020 Pop. (000s)	1-Year % Change
Mesquite	25.6	5.9
Henderson	330.4	2.7
North Las Vegas	264.8	2.4
Las Vegas	670.7	1.3
Boulder City	16.5	0.7

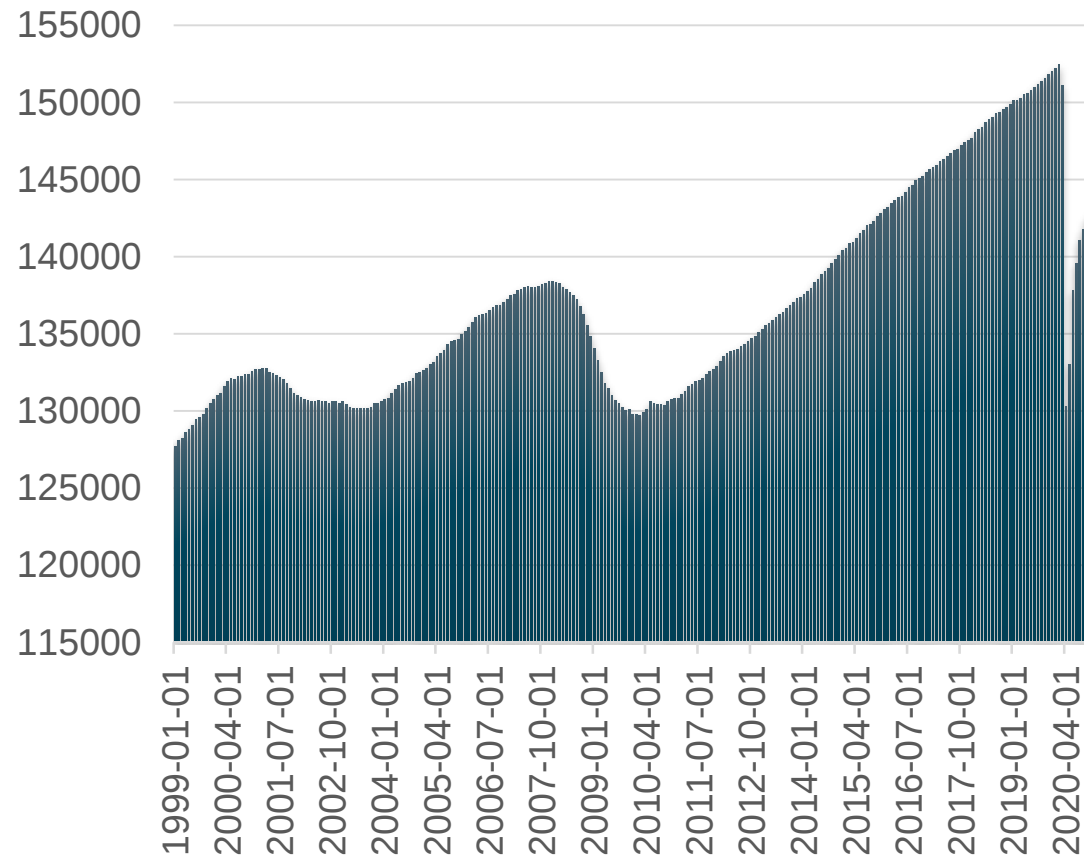
Apartments

	Vacancy		Rents	
	Q4-20	Y-o-y	Q4-20	Y-o-y
United States	5.2	0.5	\$ 1,453	-3.0%
Fresno	2.2	0	\$ 1,016	2.0%
Inland Empire	3.7	0.4	\$ 1,467	2.5%
Las Vegas	4.3	0	\$ 1,181	2.6%
Phoenix	5.1	0.5	\$ 1,155	1.8%
Reno	4.5	-0.2	\$ 1,442	1.6%
Sacramento	3.2	0.3	\$ 1,392	2.2%
Tucson	3.7	-0.4	\$ 841	0.4%

The biggest lagging indicator

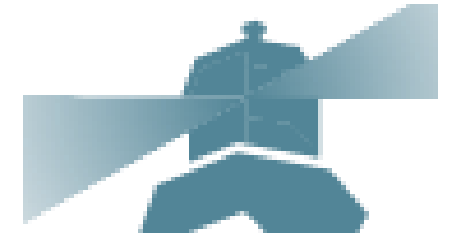


US Non-farm Employment

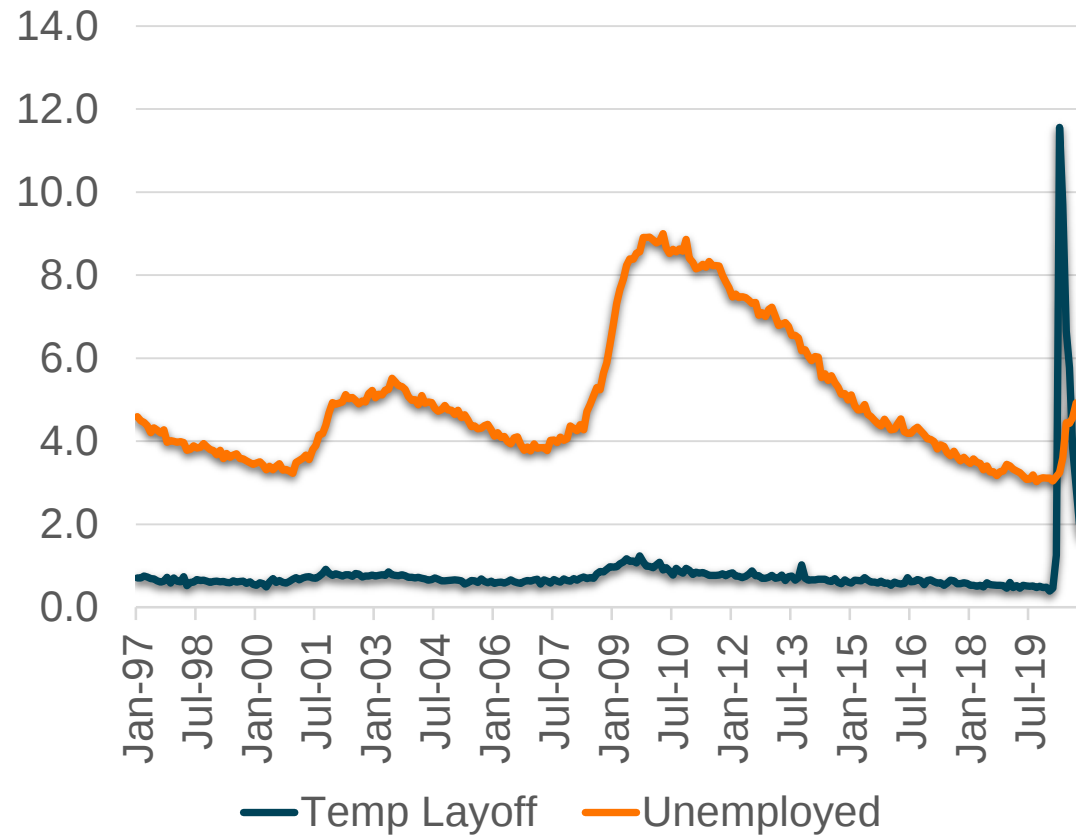


	YoY	YoY
	Ch	Gr
Total nonfarm	-9152	-6.0%
Leisure hospitality	-3738	-22.7%
Government	-1261	-5.5%
Professional business	-800	-3.7%
Health care	-737	-3.6%
Manufacturing	-545	-4.2%
Other services	-434	-7.4%
Retail trade	-429	-2.7%
Educational services	-426	-10.9%
Information	-255	-8.8%
Wholesale trade	-248	-4.2%
Construction	-125	-1.7%
Financial activities	-61	-0.7%
Transportation	1	0.0%

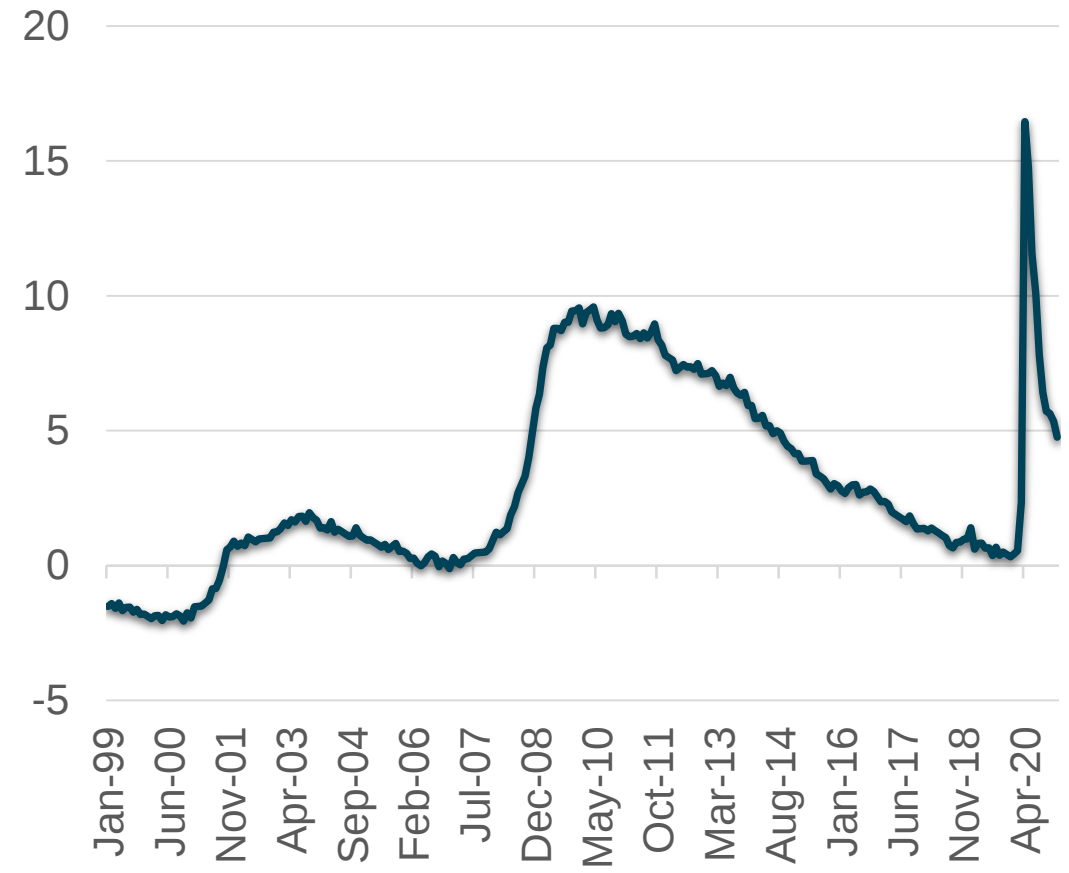
Misreading Unemployment



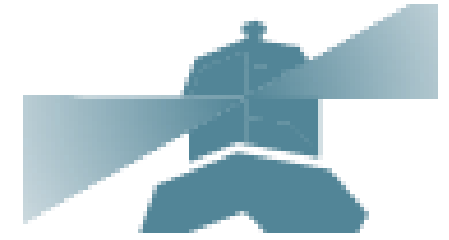
Unemployment Rate by Reason



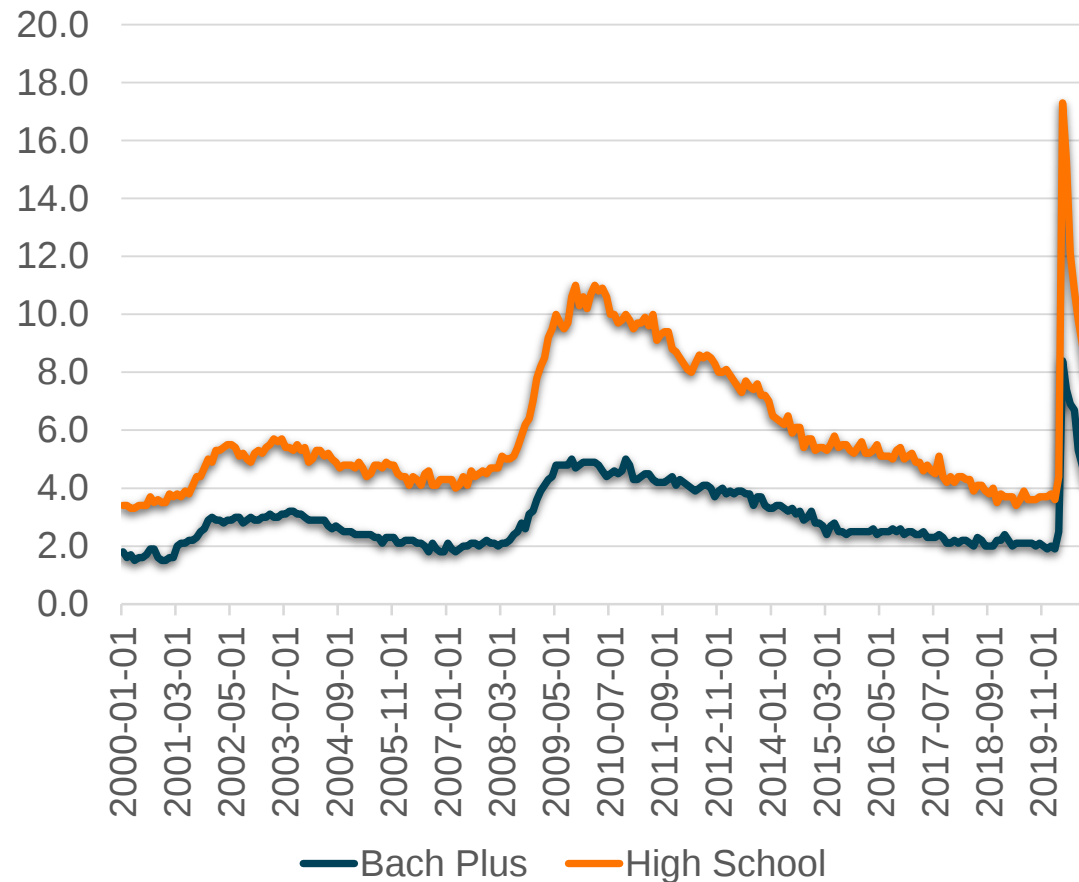
Cyclical Excess U-6 (%LF)



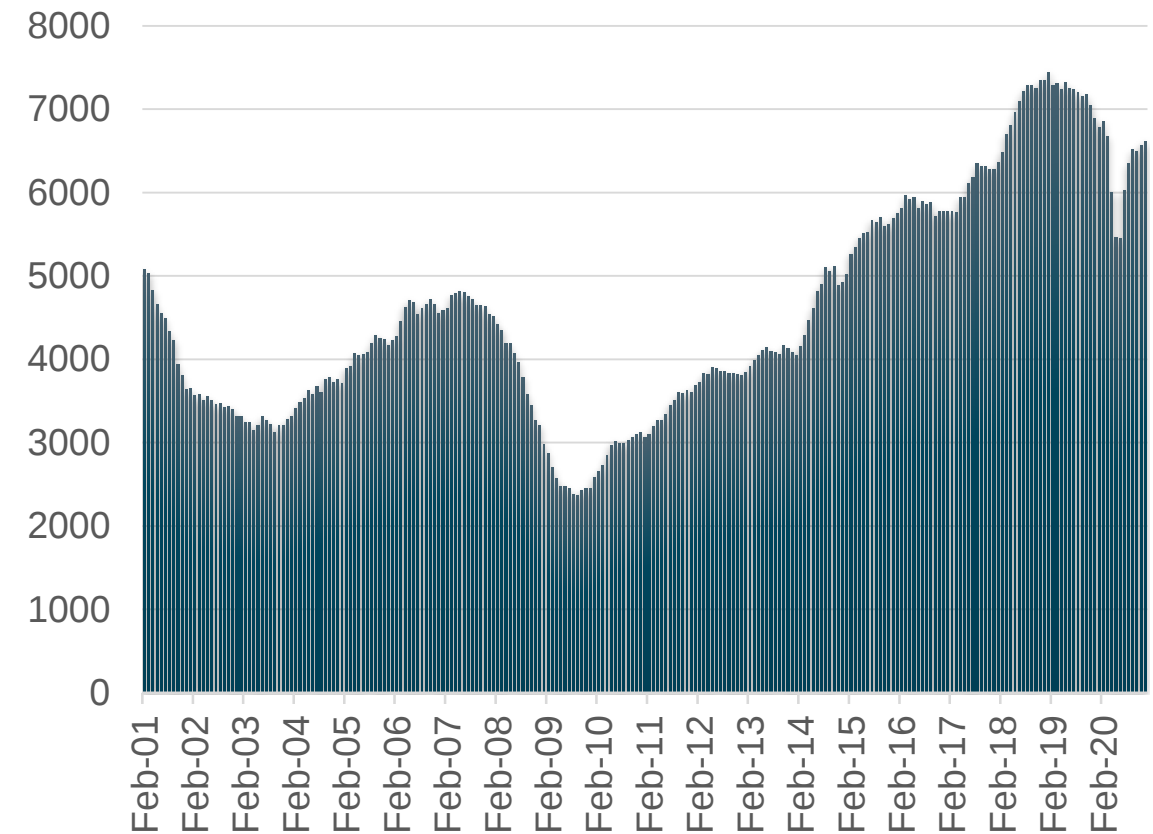
Glass half full or empty?



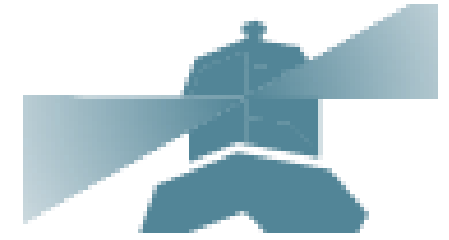
Unemployment by Education



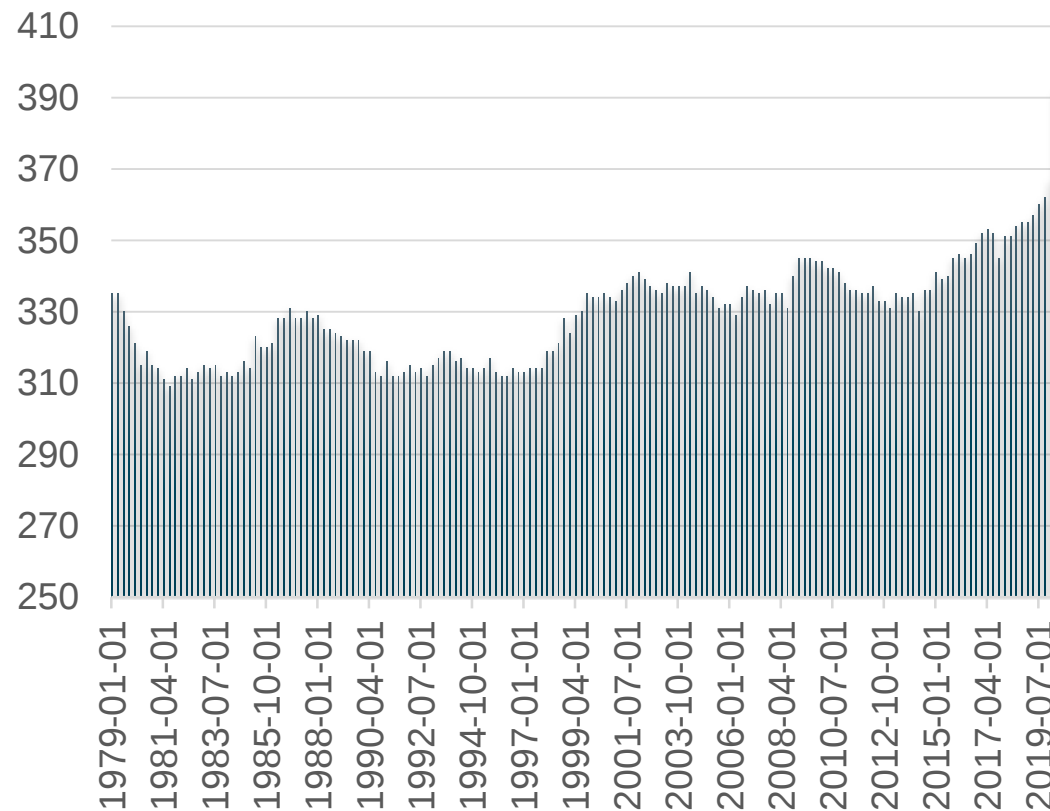
US Job Openings



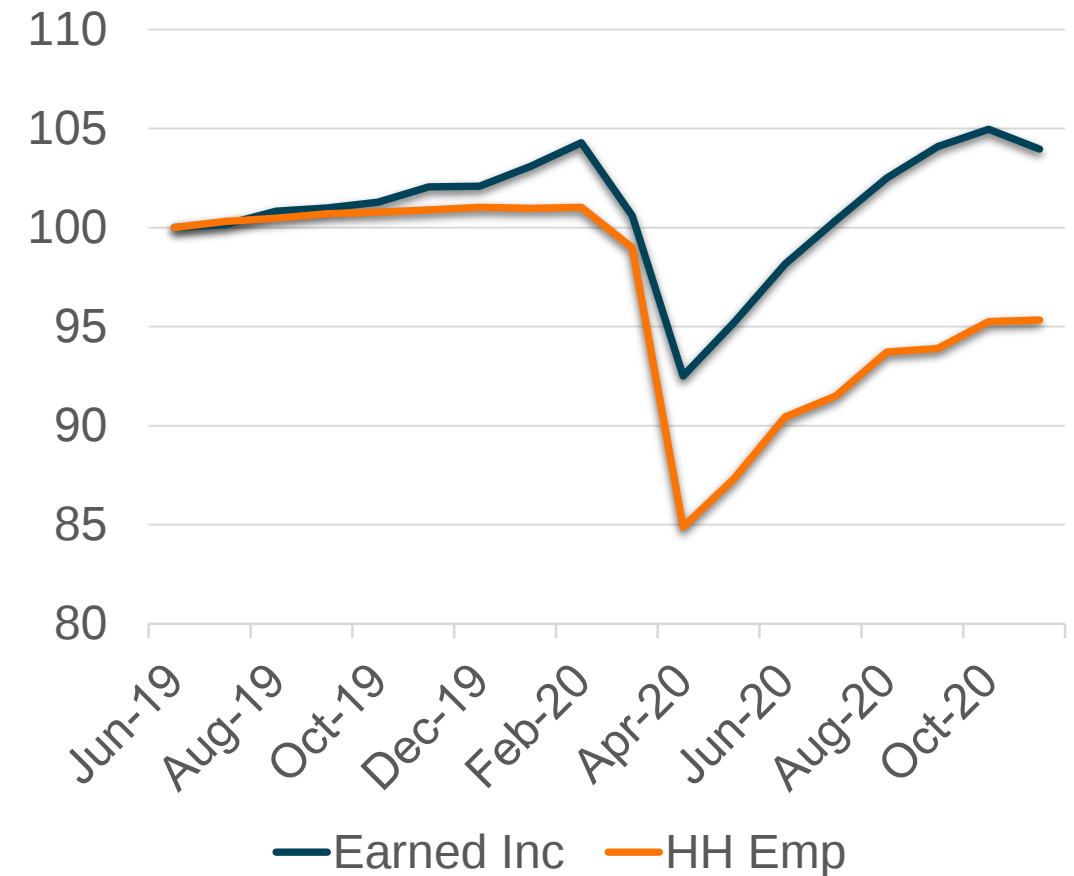
Winner / Loser: Earnings



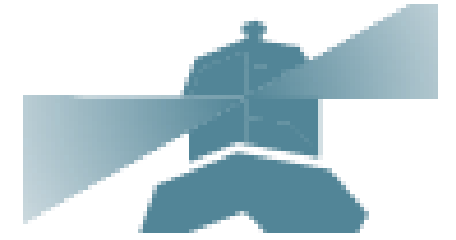
Employed full time: Median usual weekly real earnings:



Indexes of Earnings and Jobs



Metro Employment Across the U.S.

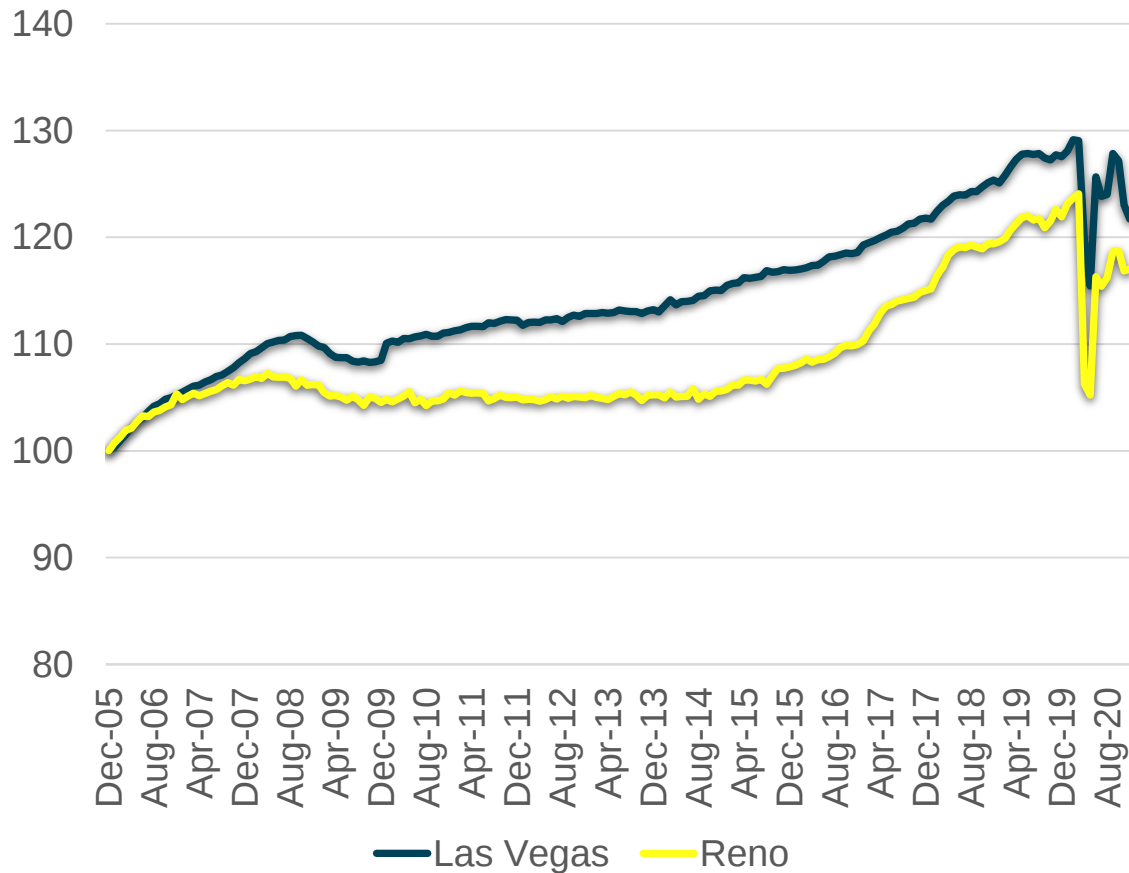


Industry	Phoenix		Los Angeles		Las Vegas		Orange County		San Diego	
	Dec-20	1-Yr % Chg	Dec-20	1-Yr % Chg	Dec-20	1-Yr % Chg	Dec-20	1-Yr % Chg	Dec-20	1-Yr % Chg
Total Nonfarm	2150.6	-2.9	4184.2	-9.7	927.8	-10.1	1536.8	-8.7	1408.9	-7.5
Logistics	426.5	2.0	826.4	-4.2	180.3	-1.3	246.1	-5.7	212.1	-5.6
Wholesale Trade	87.0	0.5	212.9	-3.2	22.3	-10.0	72.7	-7.2	38.9	-10.8
Financial Activities	204.8	0.0	224.8	-0.7	55.9	4.1	114.5	-5.6	74.7	-3.8
Retail Trade	236.4	0.0	399.4	-5.0	105.7	-1.6	141.6	-7.0	138.1	-5.5
Manufacturing	131.4	-1.8	313.0	-7.2	25.2	-3.1	144.8	-8.8	108.9	-6.9
Education/Health	343.3	-1.8	817.2	-4.8	103.0	-2.5	222.9	-4.9	208.2	-6.0
Construction	135.2	-2.2	148.5	-4.1	68.2	-7.7	108.2	0.4	87.9	3.7
Professional/Business	357.5	-3.6	607.5	-7.0	131.2	-12.7	316.4	-3.7	270.8	2.2
Information	37.2	-7.9	186.8	-18.0	9.4	-17.8	22.0	-14.8	20.0	-14.3
Leisure and Hospitality	199.2	-16.2	367.5	-33.0	225.0	-22.7	167.4	-27.1	147.6	-27.0

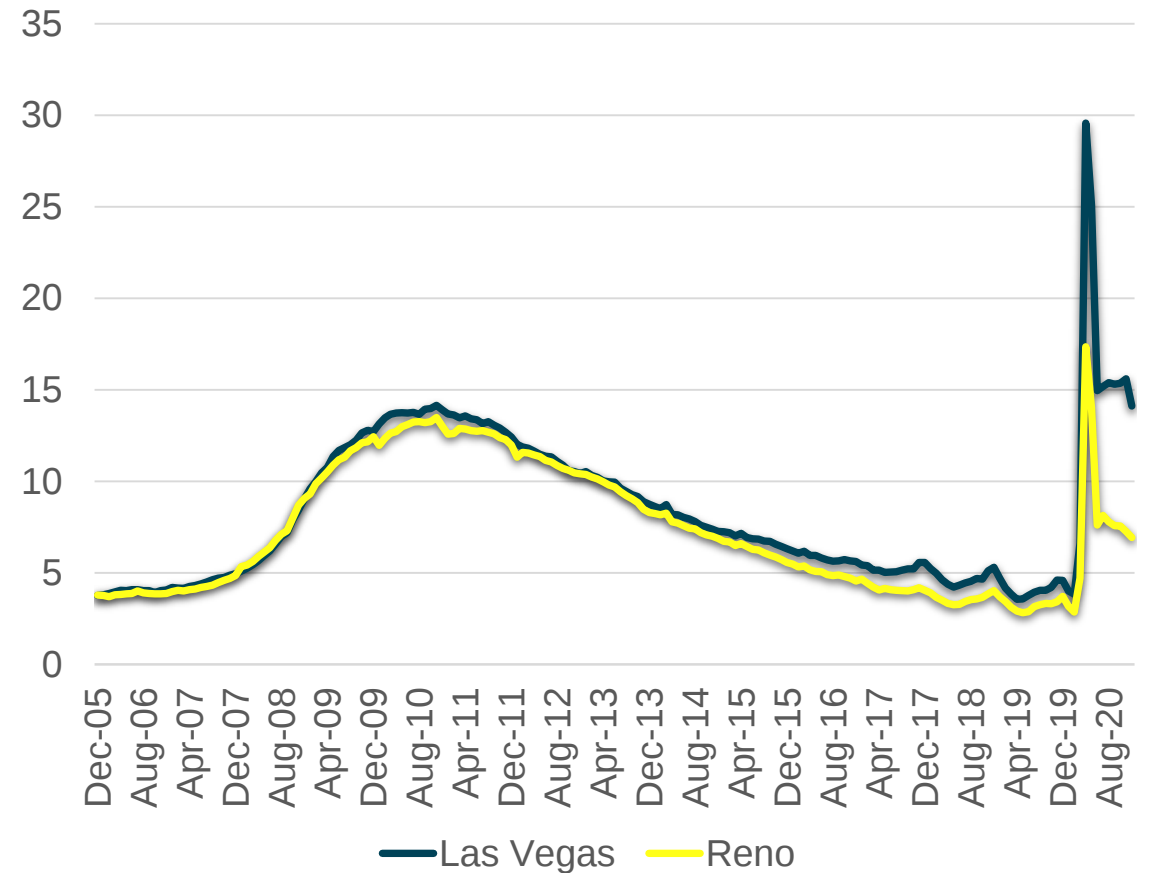
Labor Market



Labor Force Growth



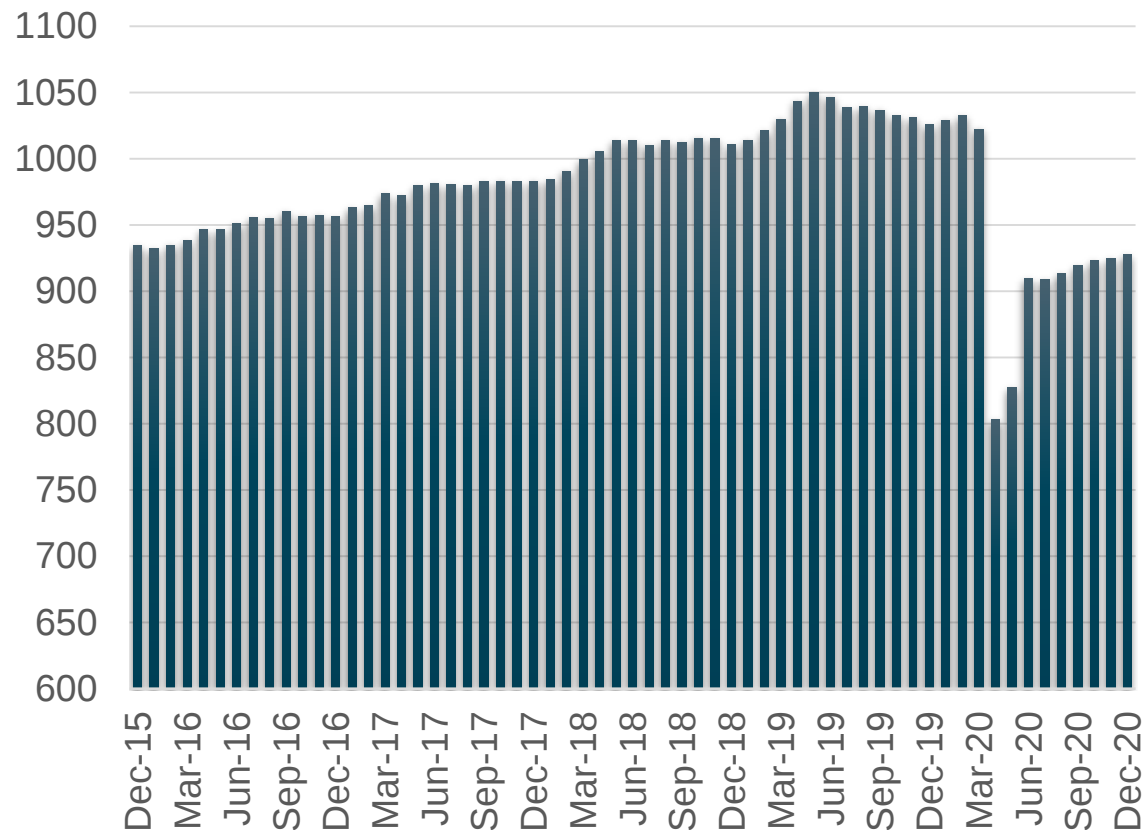
Unemployment Rate



Las Vegas Employment



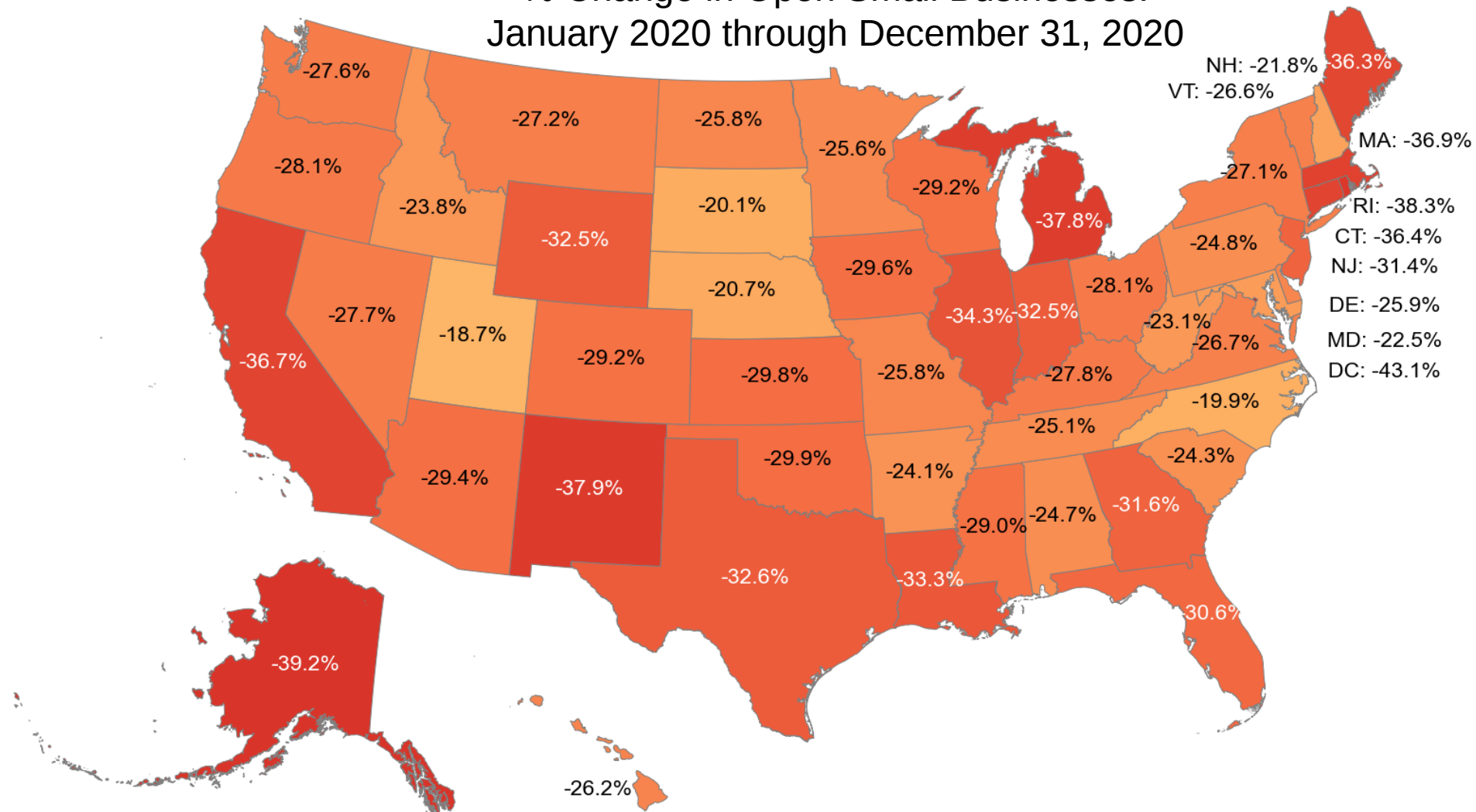
**Total Nonfarm Employment
Las Vegas**



Industry	Dec. 2020 Emp (000s)	Feb to Dec % Growth		
		Abs Chg LV	% Chg LV	% Chg NV
Total Nonfarm	927.8	-104.4	-10.1	-6.9
Finance	55.9	2.2	4.1	1.4
Logistics	49.8	1.4	2.9	1.1
Utilities	2.6	0.0	0.6	-2.4
Retail Trade	105.7	-1.7	-1.6	-0.6
Education/Health	103.0	-2.6	-2.5	-2.1
Prof/Sci/Tech	43.9	-1.2	-2.6	-0.2
Manufacturing	25.2	-0.8	-3.1	-1.3
Government	102.6	-4.9	-4.5	-8.9
Construction	68.2	-5.7	-7.7	-6.3
Wholesale Trade	22.3	-2.5	-10.0	-6.0
Admin Support	71.5	-12.3	-14.7	-10.9
Information	9.4	-2.0	-17.8	-12.7
Hospitality	225.0	-66.1	-22.7	-13.8
Management	16.1	-5.4	-25.0	-17.0



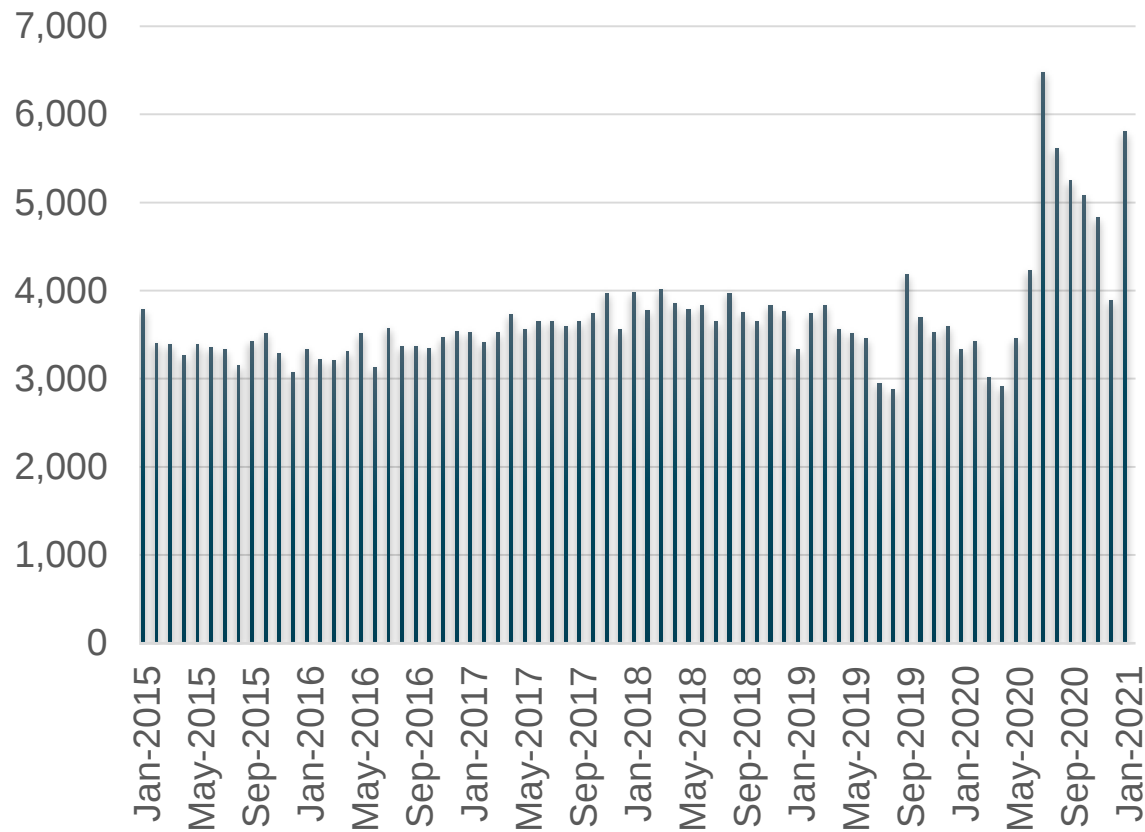
% Change in Open Small Businesses:
January 2020 through December 31, 2020



Nevada Business Formation Statistics

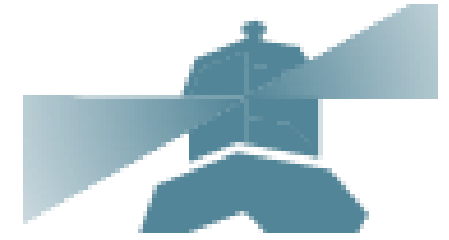


**Total All Industry Business Formation
Seasonally Adjusted**



Application Type	2019	2020	% Growth
Total	41,994	51,427	22.5
Business App. From Corporations	5,140	5,415	5.4
High Propensity Applications	14,421	17,222	19.4
Business App. With Planned Wages	5,529	6,542	18.3

2. Federal Policy (Over)reaction



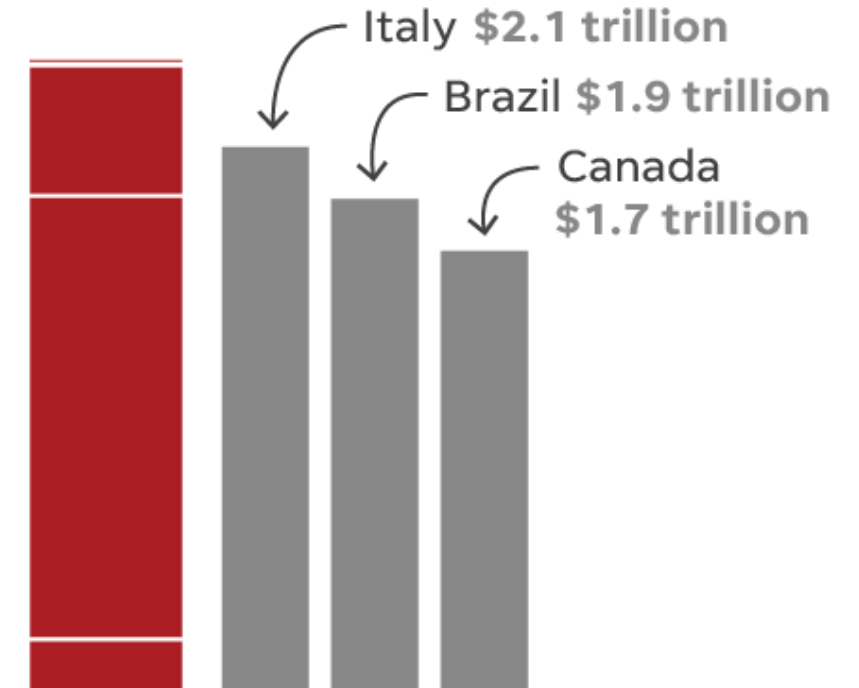
Fiscal Stimulus Plans

- Unemployment Insurance
- Local Government Support
- PPP Loans
- Direct Transfers to People

Monetary Stimulus

- Rate Cuts
- Quantitative Easing

\$2.4 trillion
exceeds
some of the
world's largest
economies

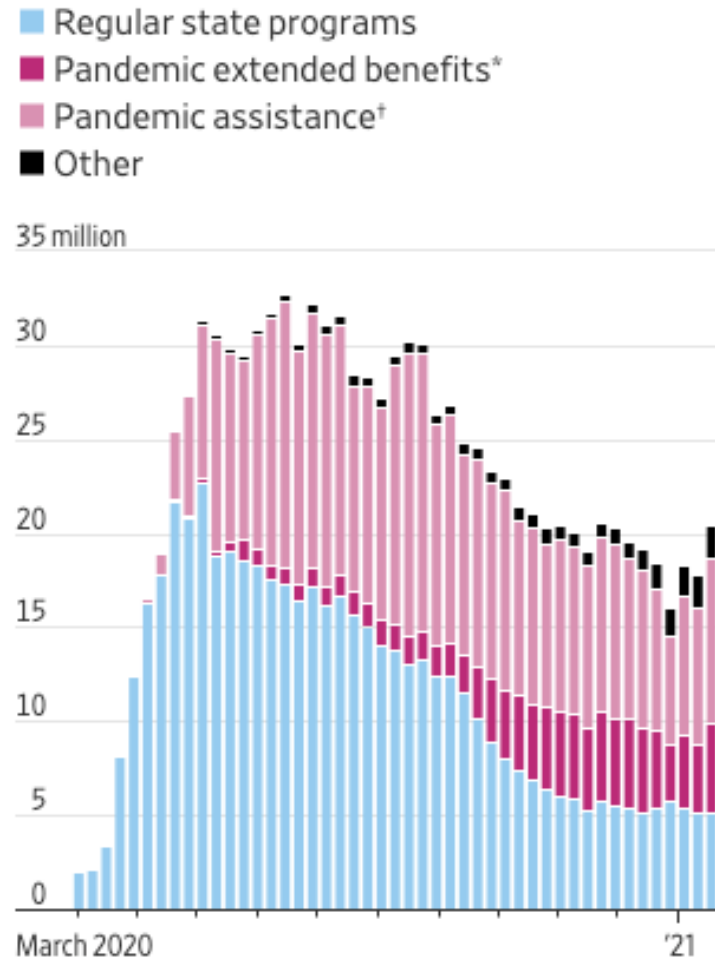


SOURCE The World Bank

Are you doing what you need to do?

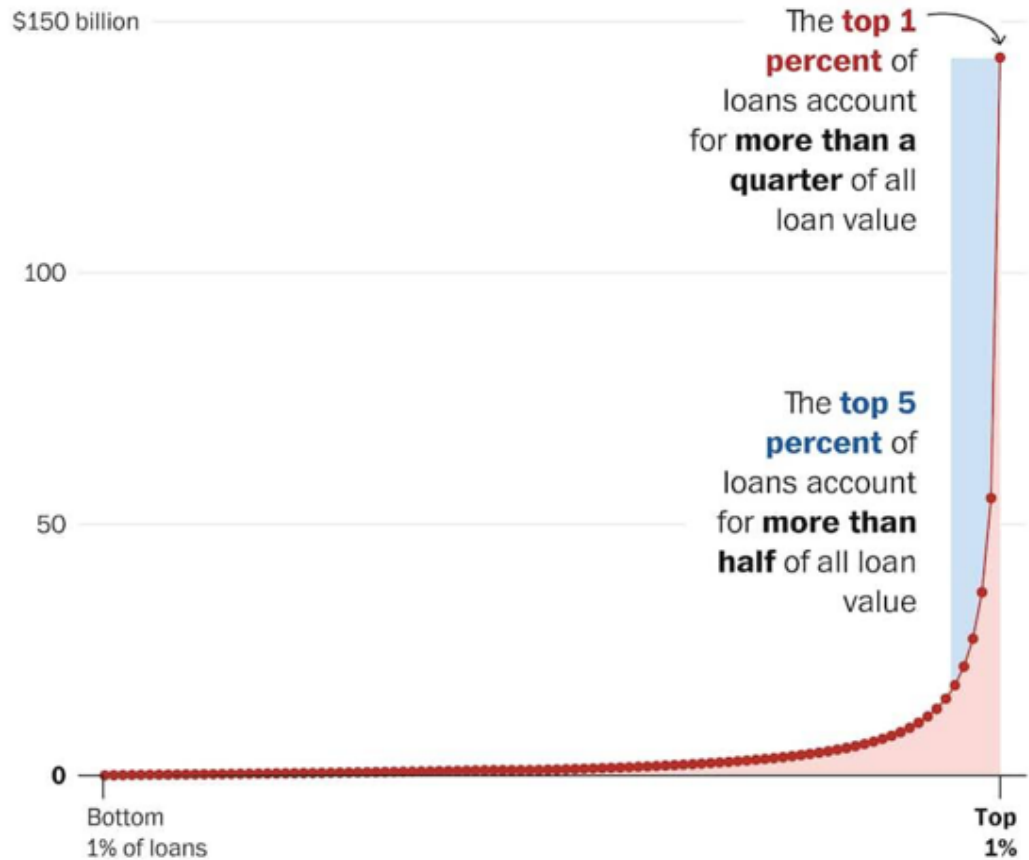


Number of people claiming unemployment benefits, by program



Most PPP money went to a fraction of the recipients

Paycheck Protection Program loan-value totals by percentile



Source: Small Business Administration

THE WASHINGTON POST

Are you doing what you need to do?



Number of people claiming unemployment benefits, by program

Regular
Pandemic
Pandemic
Other

35 million

30

25

20

15

10

5

0

March 2020

'21

How households spent their first stimulus check

Saved

Pay down debt

Essentials

Non-essentials

Donated

Note: Data based on 1,408 respondents

Source: New York Fed Survey of Consumer Spending, June Special Module

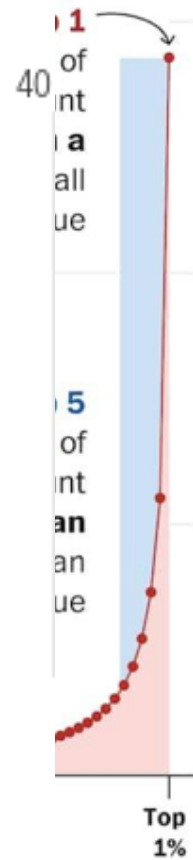
Most PPP money went to a fraction of the recipients

Paycheck Protection Program loan-value totals by percentile

0% 5 10 15 20 25 30 35

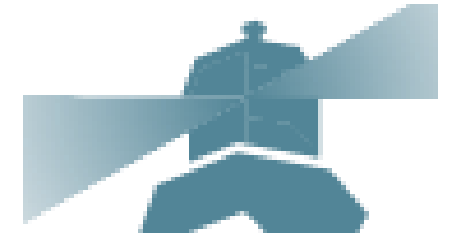
Bottom
1% of loans

Source: Small Business Administration

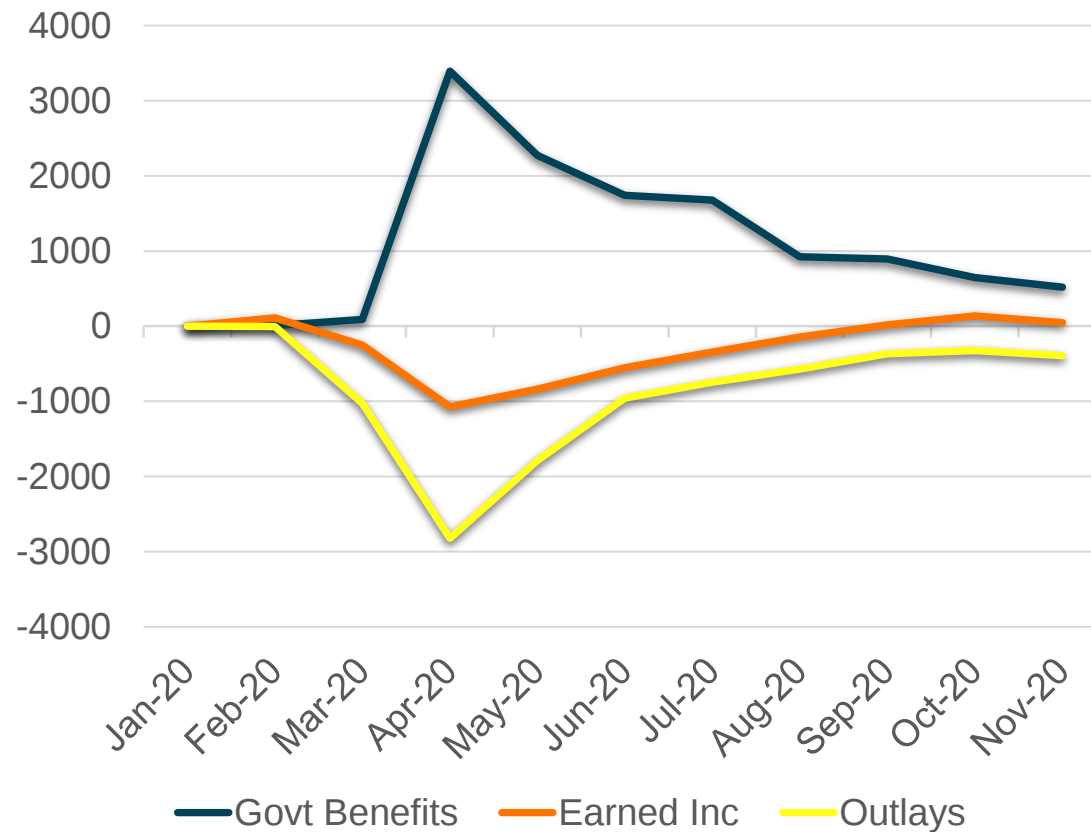


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Policy (Over)reaction



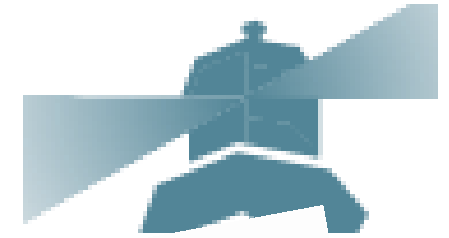
Income / Outlays National, Trend from Jan 2020 SAAR



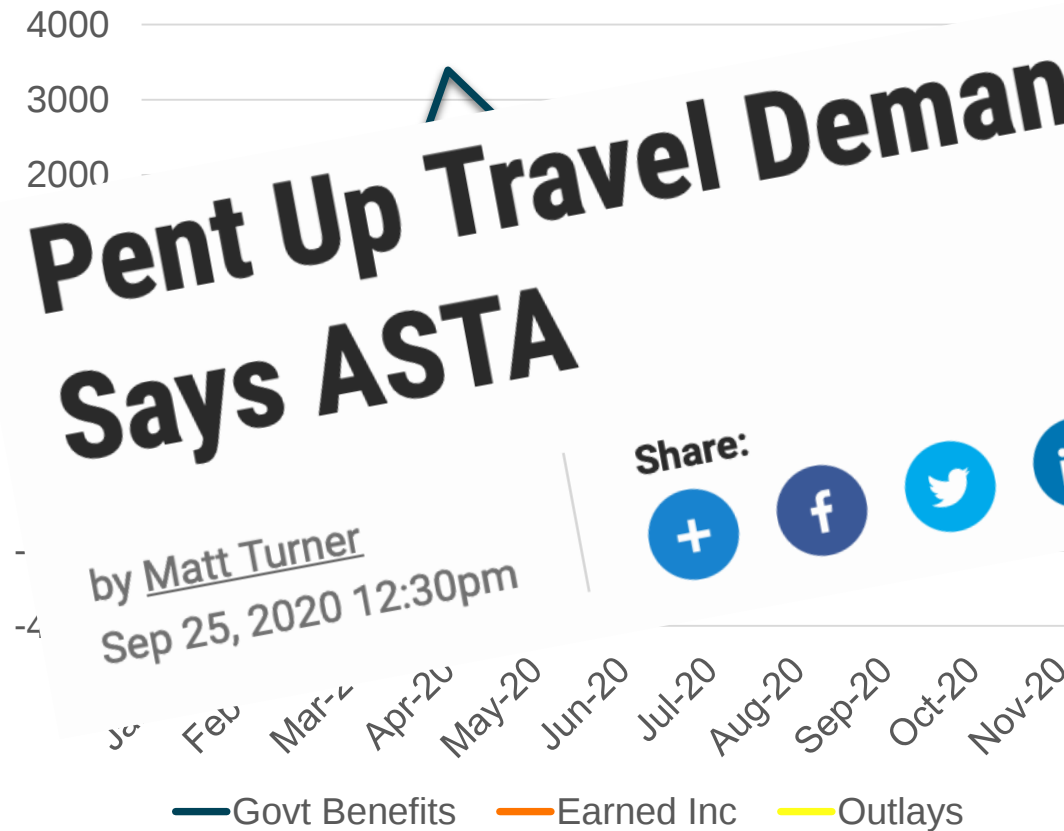
Personal Income by Source and Use (\$Bil)

	2018	2019	2020
Personal income	17852	18552	19725
		3.9%	6.3%
Compensation of employees	10950	11432	11489
		4.4%	0.5%
Capital Earnings	5292	5413	5409
		2.3%	-0.1%
Government benefits	2923	3078	4221
		5.3%	37.1%
Equals: Disposable income	15767	16349	17533
		3.7%	7.2%
Less: Personal outlays	14529	15117	14651
		4.0%	-3.1%
Equals: Personal saving	1237	1231	2882
Personal saving rate	7.8	7.5	16.4

Policy (Over)reaction



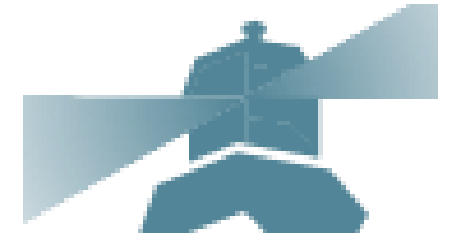
Income / Outlays National, Trend from Jan 2020 SAAR



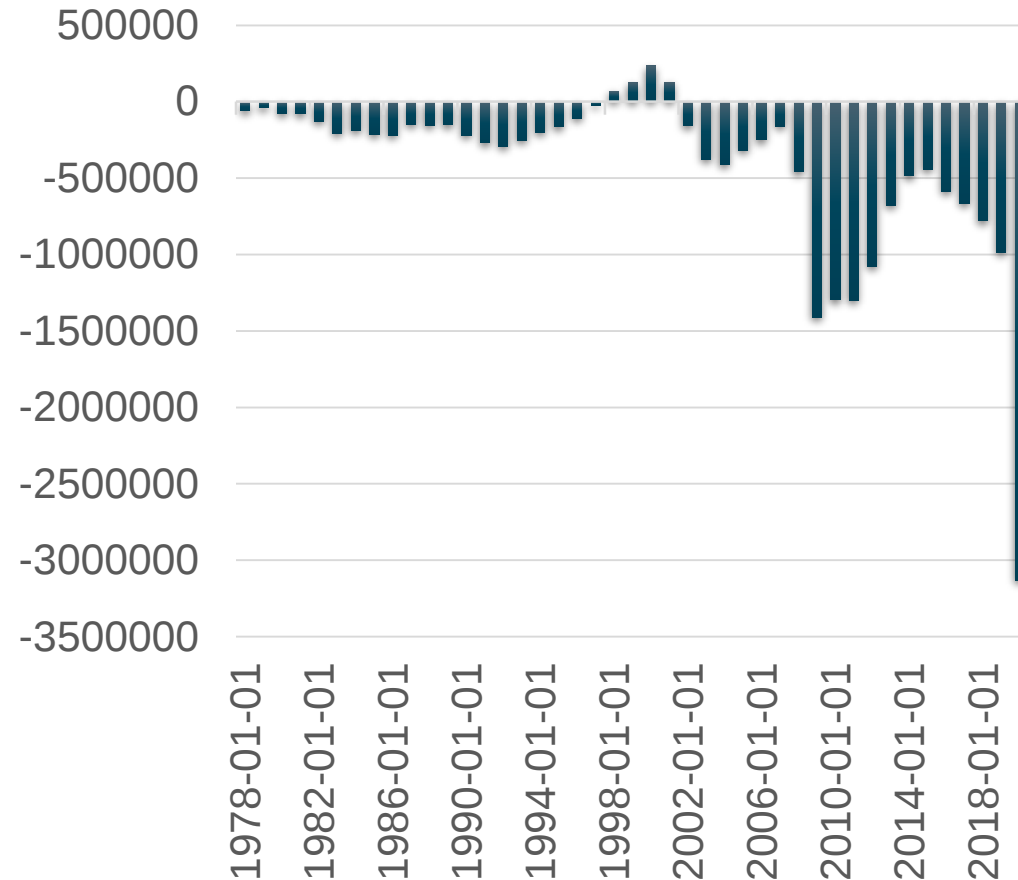
Personal Income by Source

	2019	2020	2020
		725	3%
		89	0%
		09	0%
		4221	5.3%
		37.1%	
Personal income	15767	16349	17533
		3.7%	7.2%
Less: Personal outlays	14529	15117	14651
		4.0%	-3.1%
Equals: Personal saving	1237	1231	2882
Personal saving rate	7.8	7.5	16.4

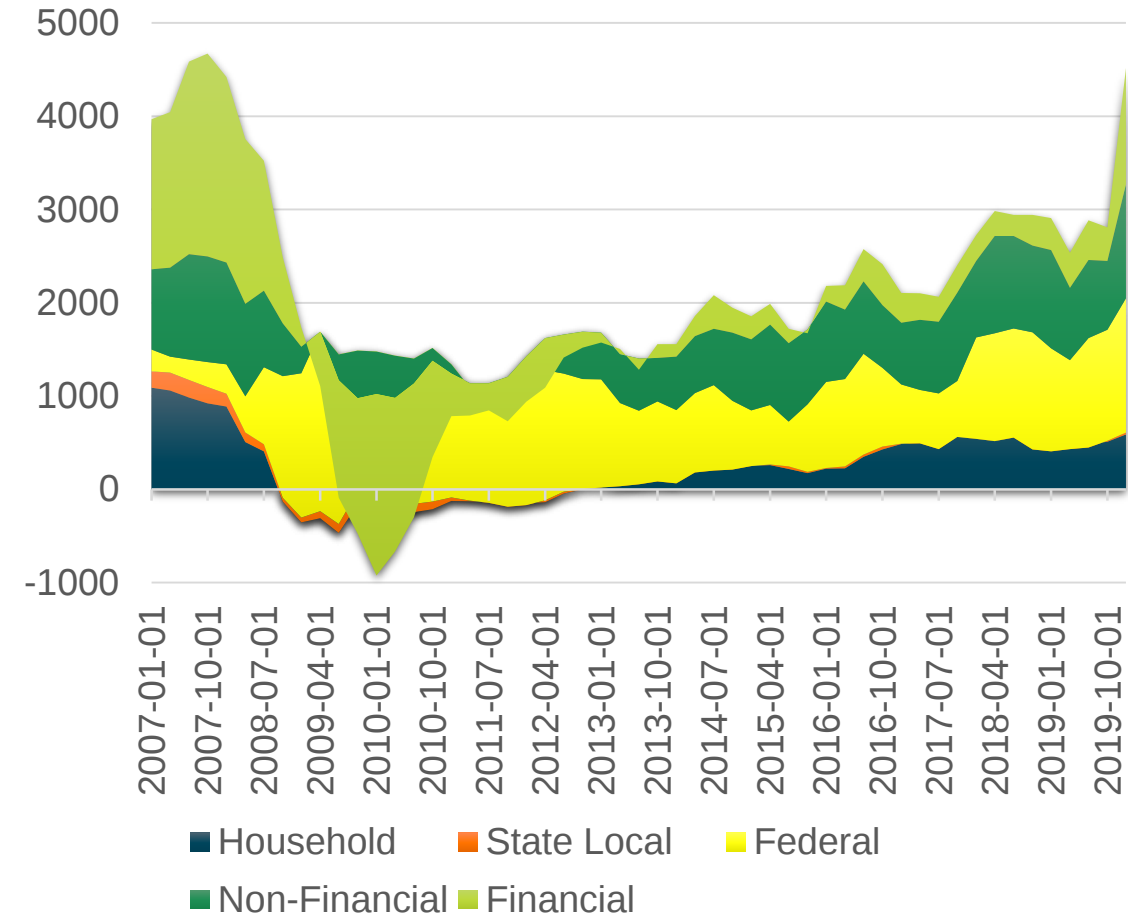
Government Debt



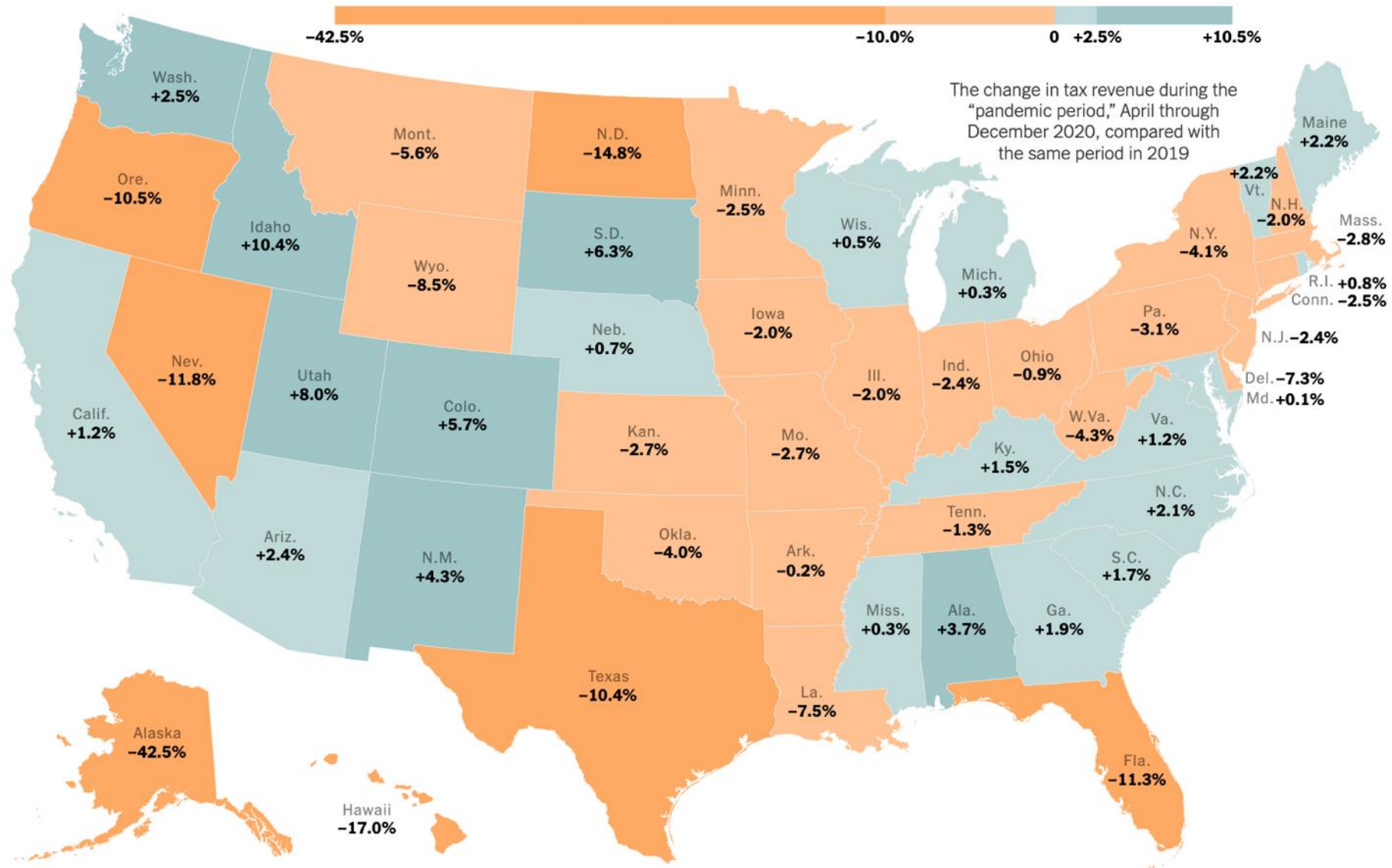
FY Federal Deficit



Total Borrowing (Annual Billions)

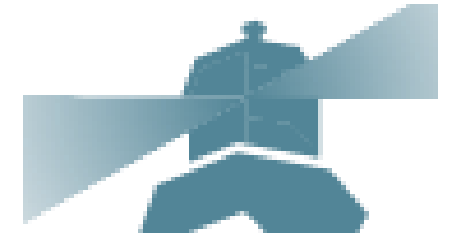


Change in state tax revenue

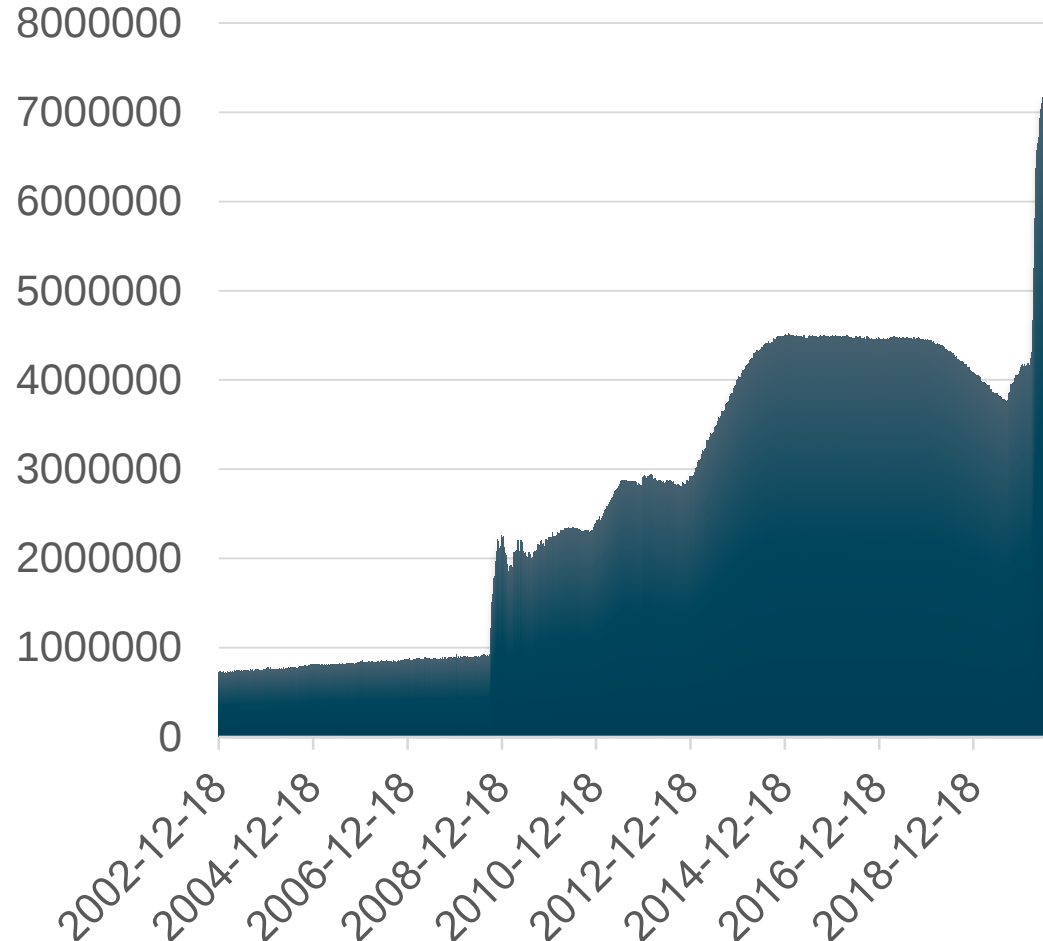


Source: Urban-Brookings Tax Policy Center

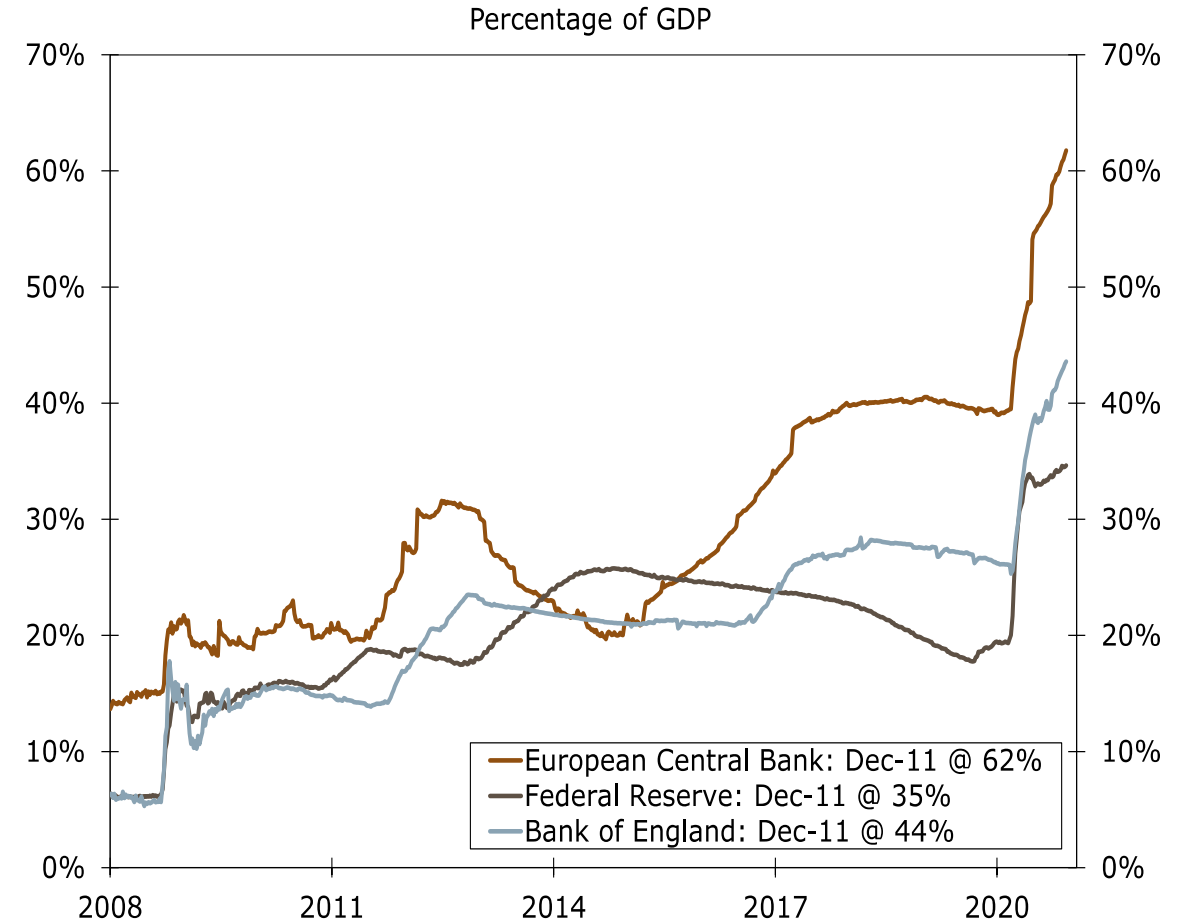
Federal Reserve Policy



Fed Balance Sheet



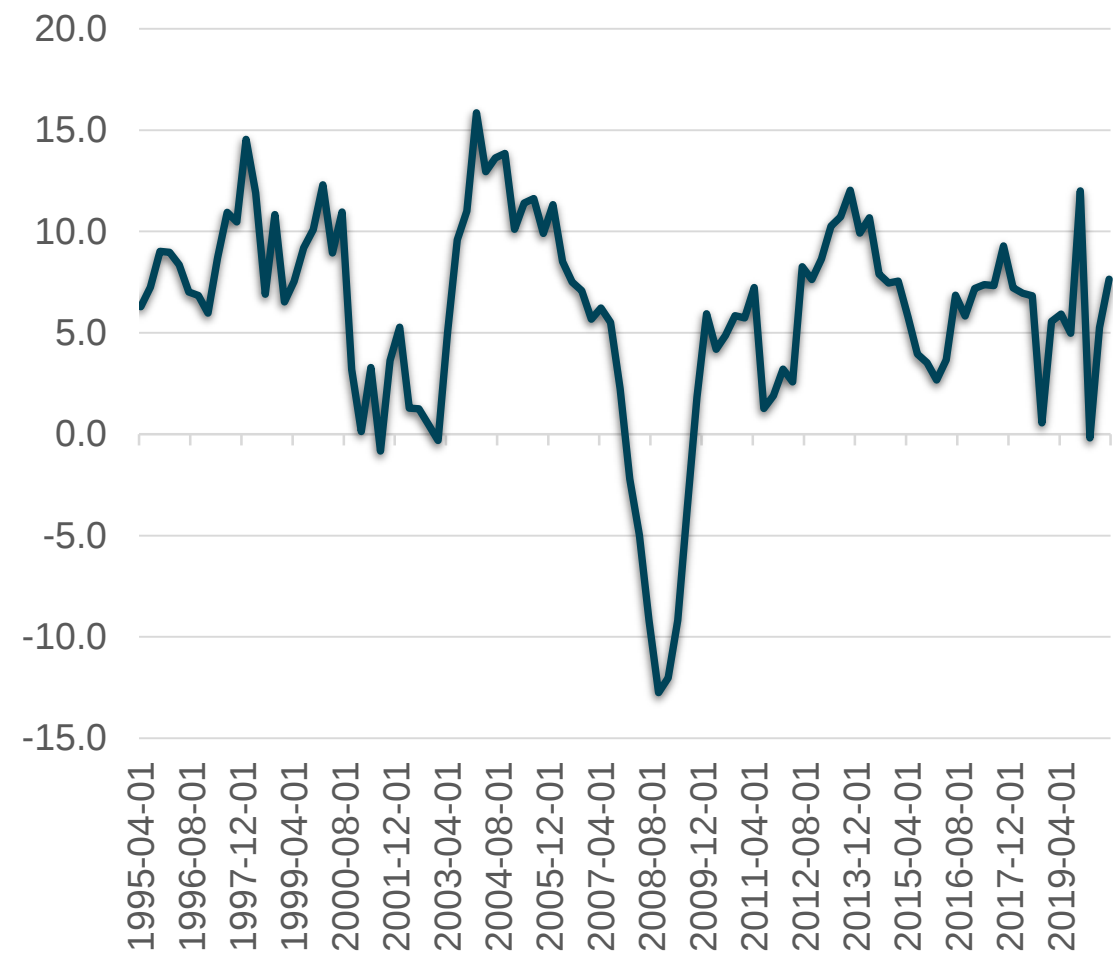
Major Central Bank Balance Sheets



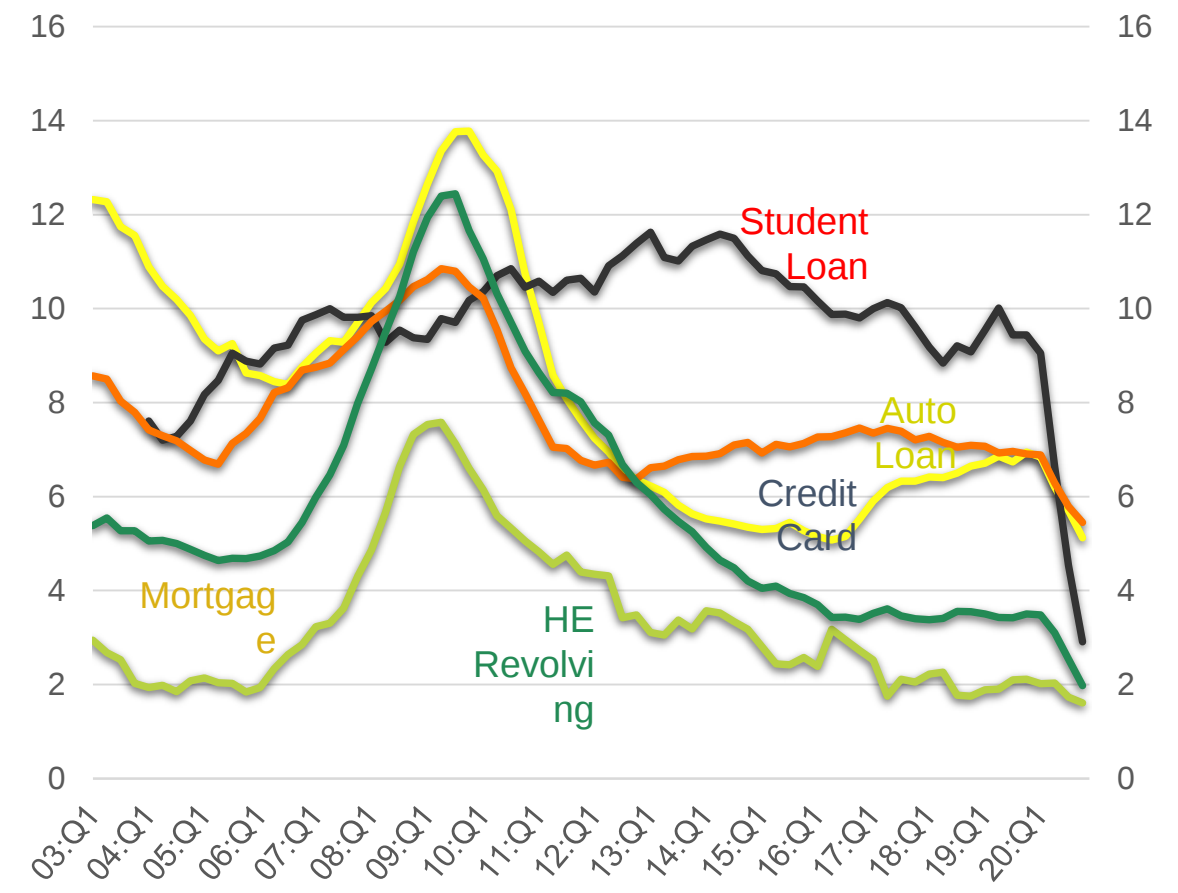
Unneeded Liquidity



Y-o-Y Growth in US Household Net Worth

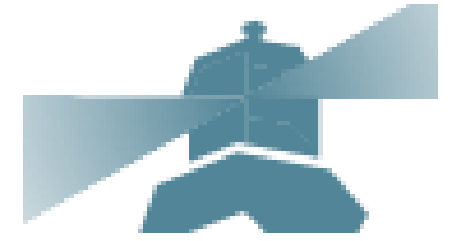


Transition into Delinquency (30+) by Loan Type

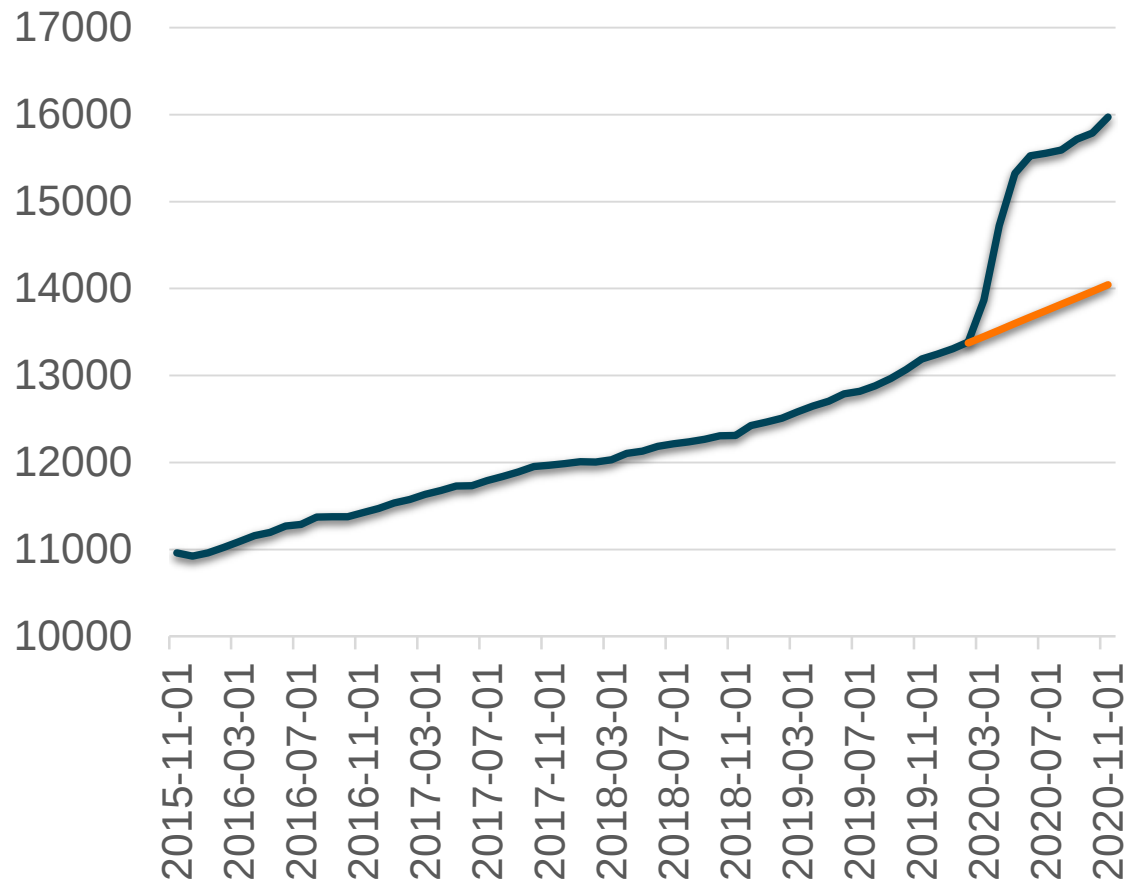


Source: New York Fed Consumer Credit Panel/Equifax
Note: 4 Quarter Moving Sum
Data are not reported prior to 2003:Q1

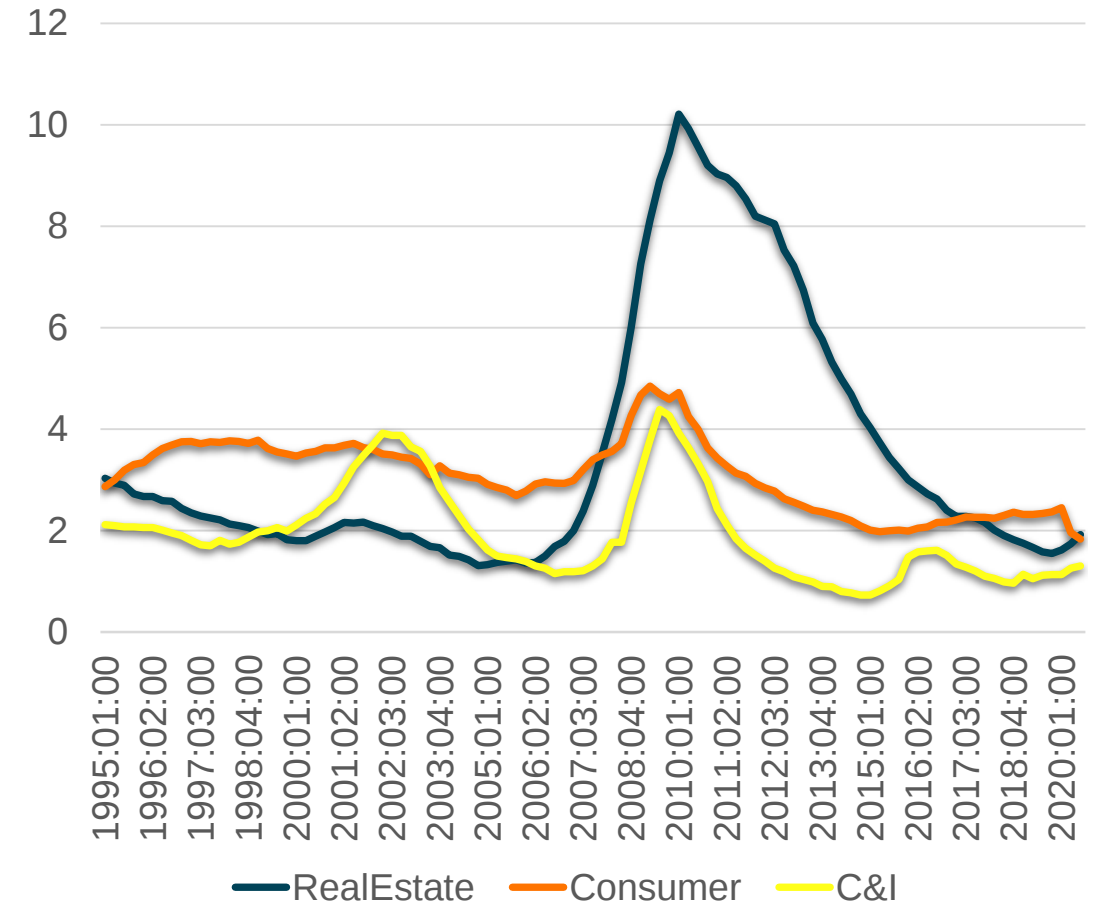
Credit Markets Looks Clean



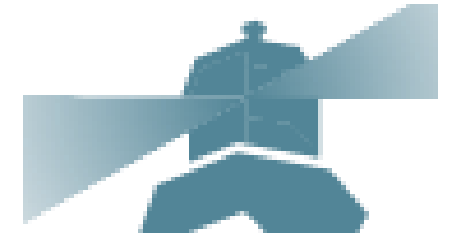
Commercial Bank Deposits



Commercial Bank Delinquencies to Q3



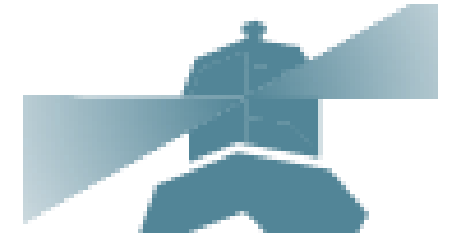
Dry Powder



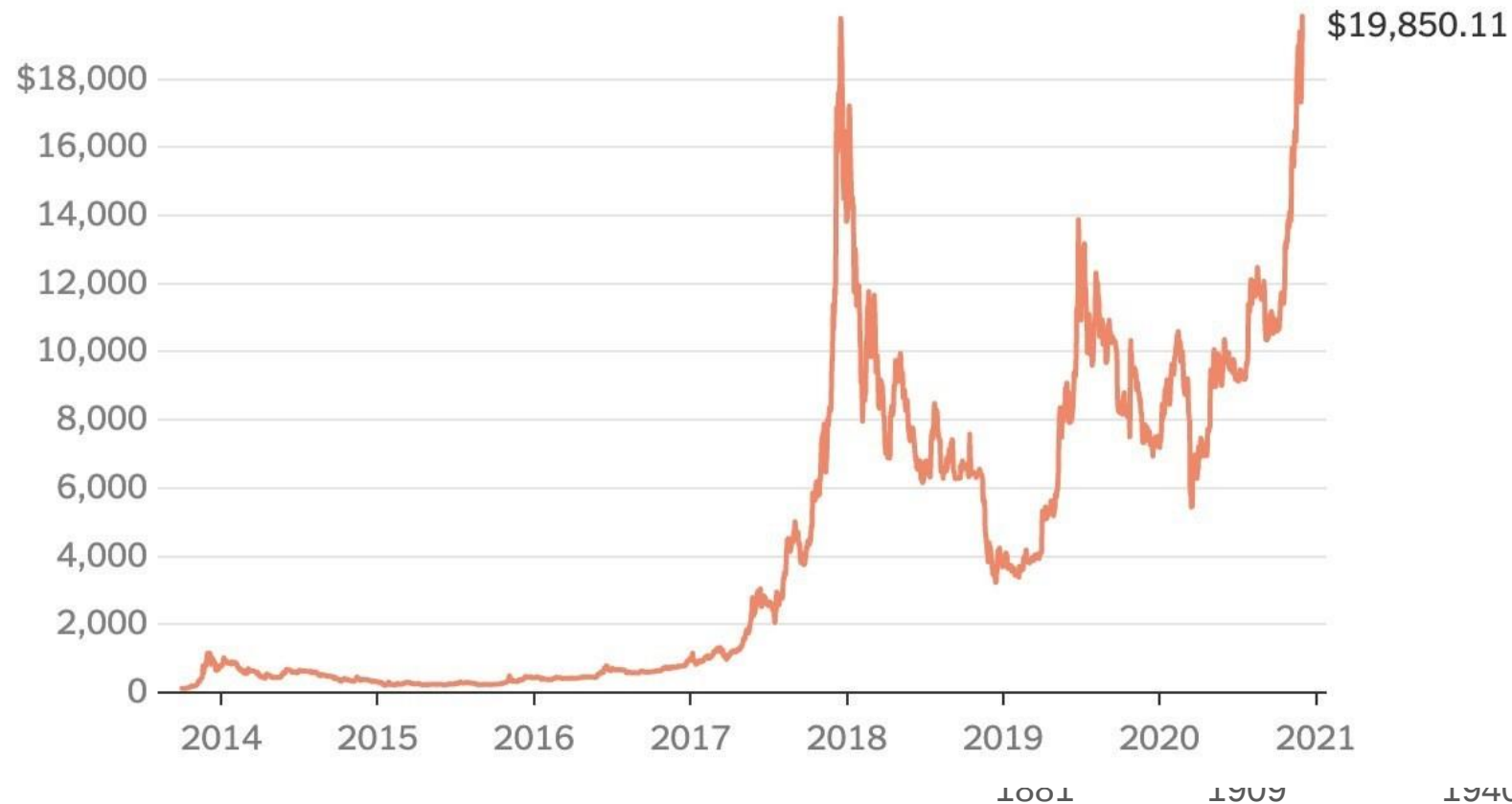
Robert Shiller P/E Ratio



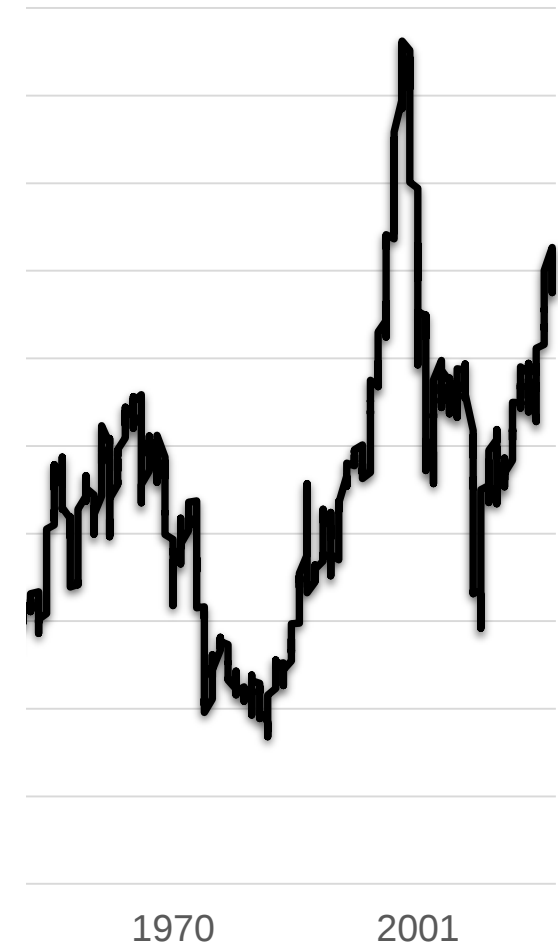
Dry Powder



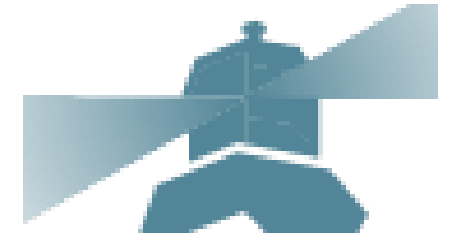
Daily Highs for Price of Bitcoin



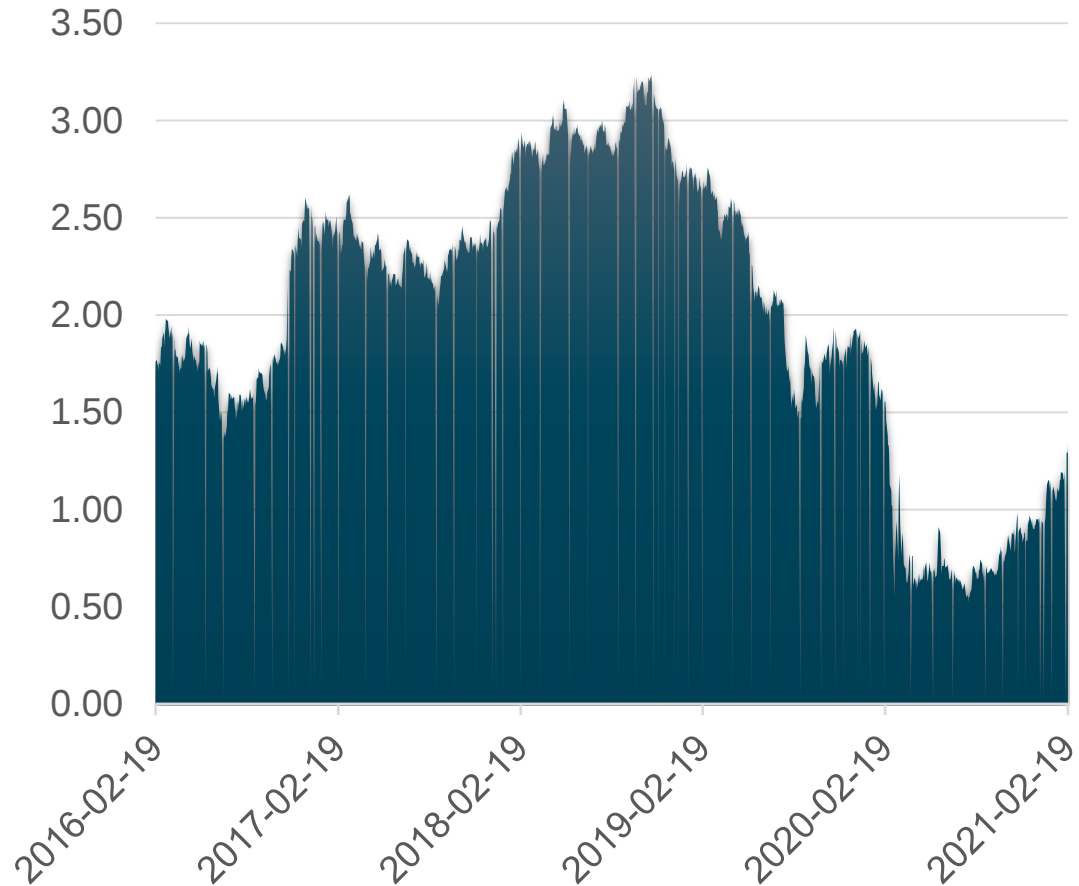
P/E Ratio



Rates and Inflation



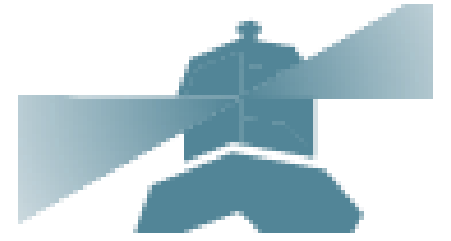
10 year Treasury



CPI YoY Growth



Inflation Potential?



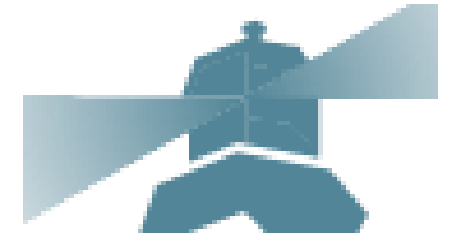
Unit Money Supply M2 / Nominal
GDP



10 Yr- 2 Yr Spread

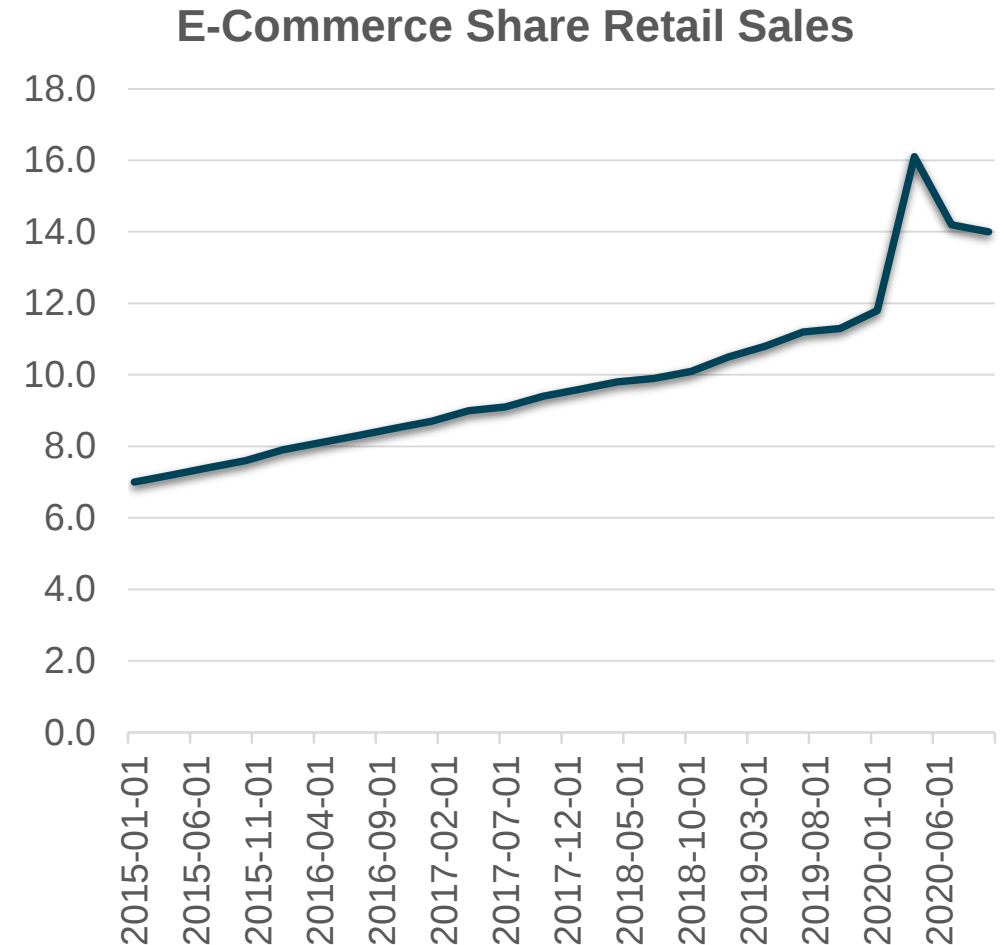


3. Long Run Consumer / Business Behavior

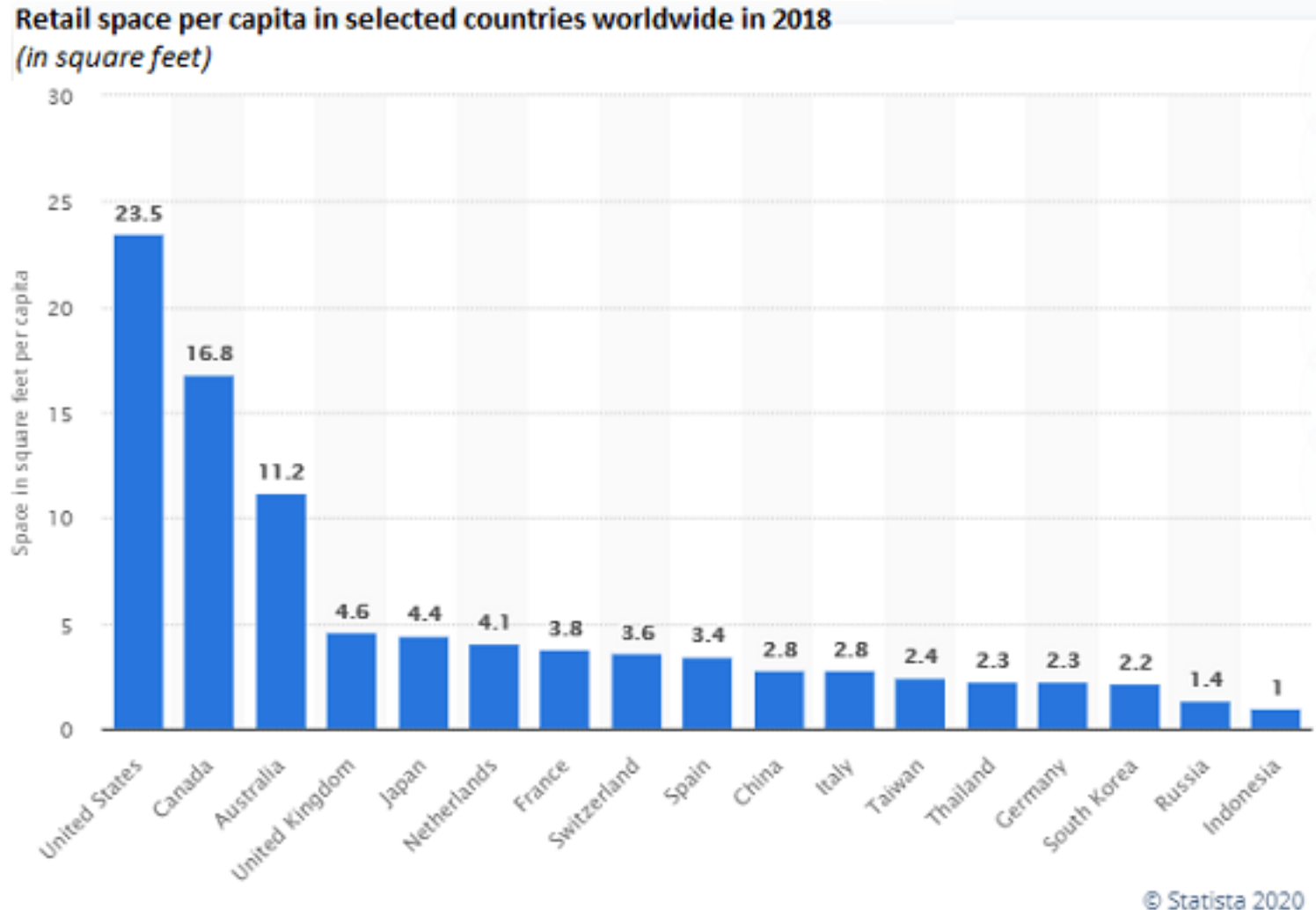
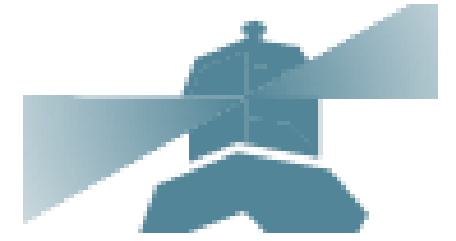


How does Covid change us?

- This is not a “new normal”
 - Polio, smallpox, plague, etc
 - Spanish flu, MERS, SARS
 - Terrorism episodes
 - No permanent change in consumer behavior seen
- Acceleration of Trends that were already there
 - Retail shifting to online
 - The WFH explosion
 - The future of location



The retail dilemma

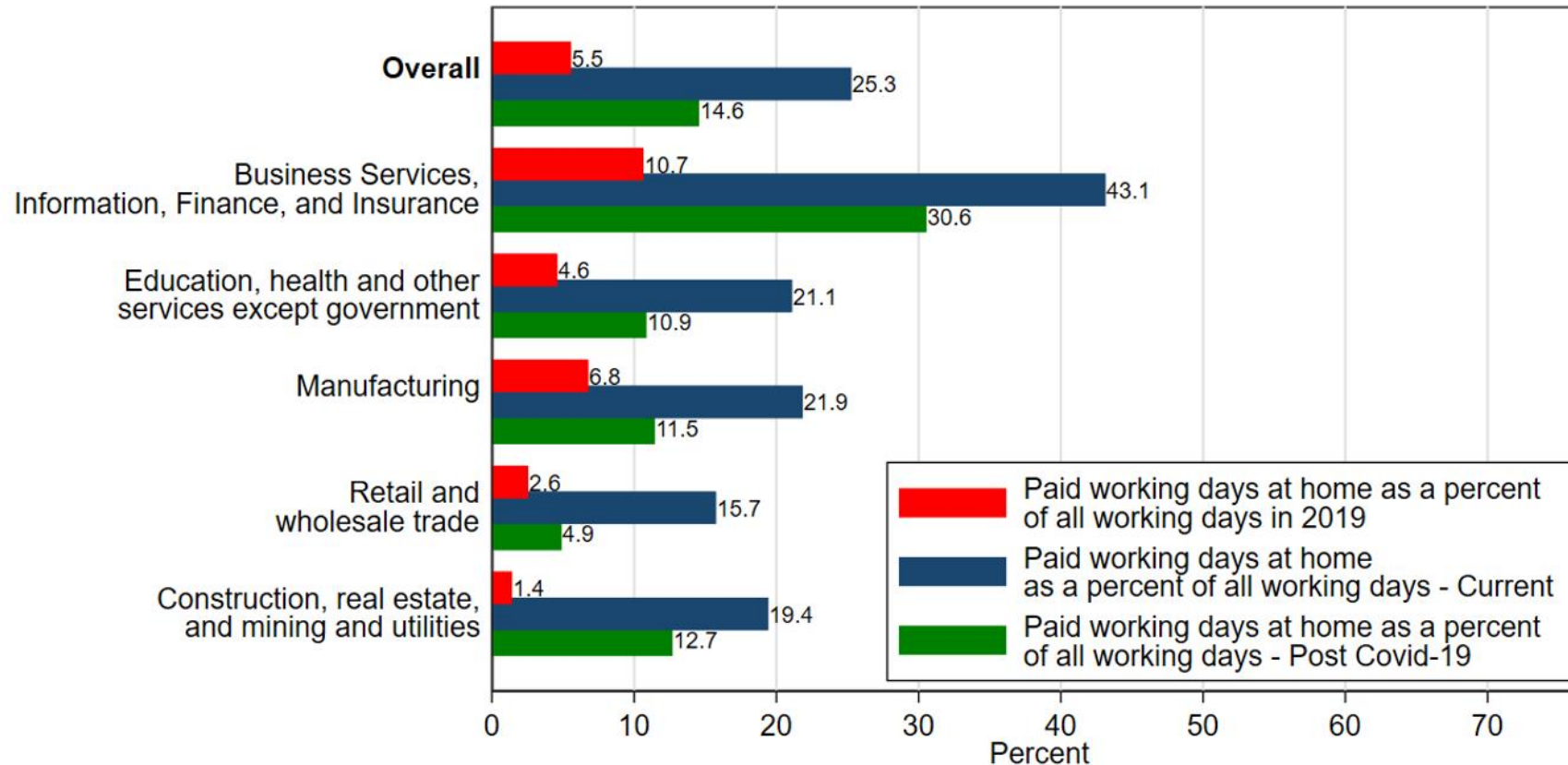


- 1) When possible, re-zone retail to mixed use.
- 2) Amend retail zoning to include ecommerce suppliers.
- 3) Look to create work / live spaces
- 4) State should review how local cities can fund themselves

WFH?



Chart 2: Paid WFH Days as a Share of All Working Days before, during, and after the Pandemic

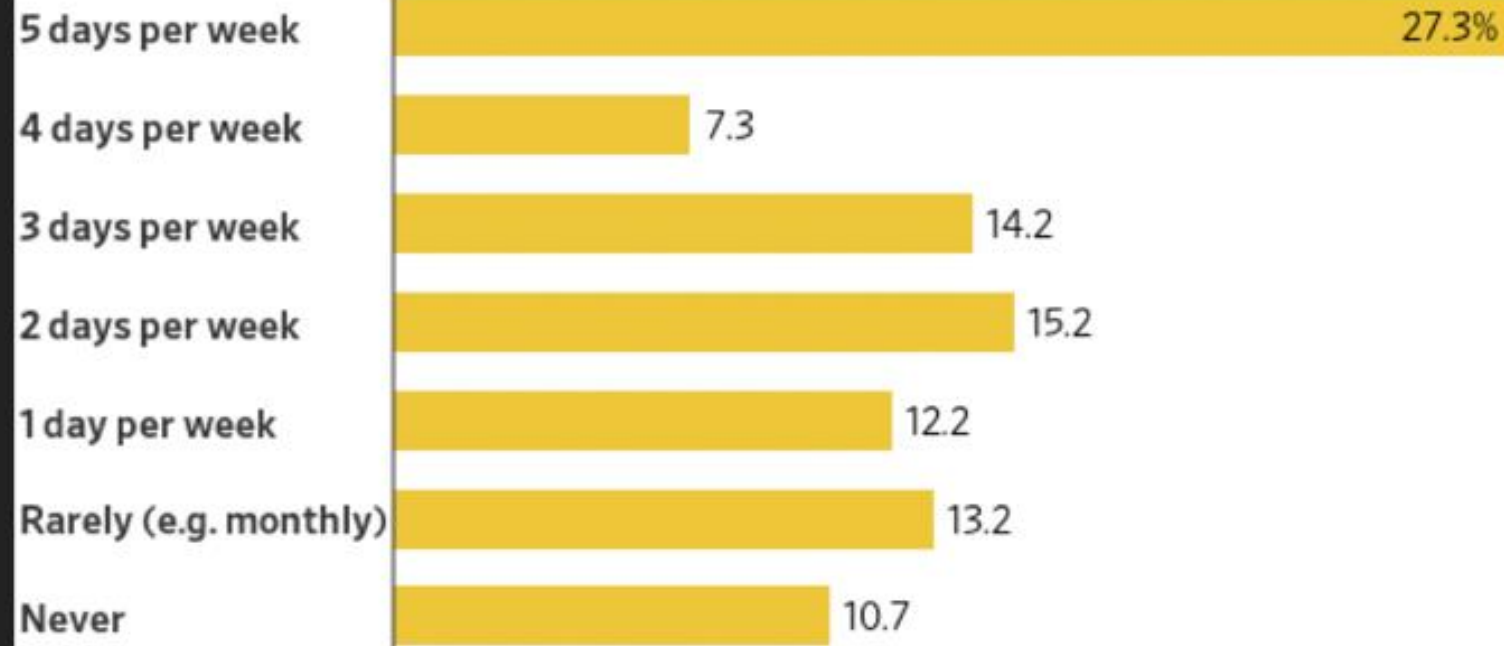


WFH?

Chart 2:
during, a

How often would you like to work from home?

Percentage of respondents* who would like to have paid work days at home after the pandemic

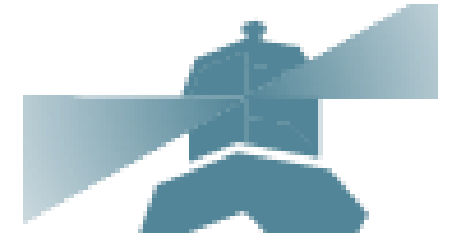


*Respondents reported they are able to work from home or did at some point during Covid

Note: From a survey conducted by Inc-Query and QuestionPro of U.S. residents aged 20-64, earning more than \$20,000 per year in 2019. Data are from 15,000 survey responses collected between May and Oct. 2020.

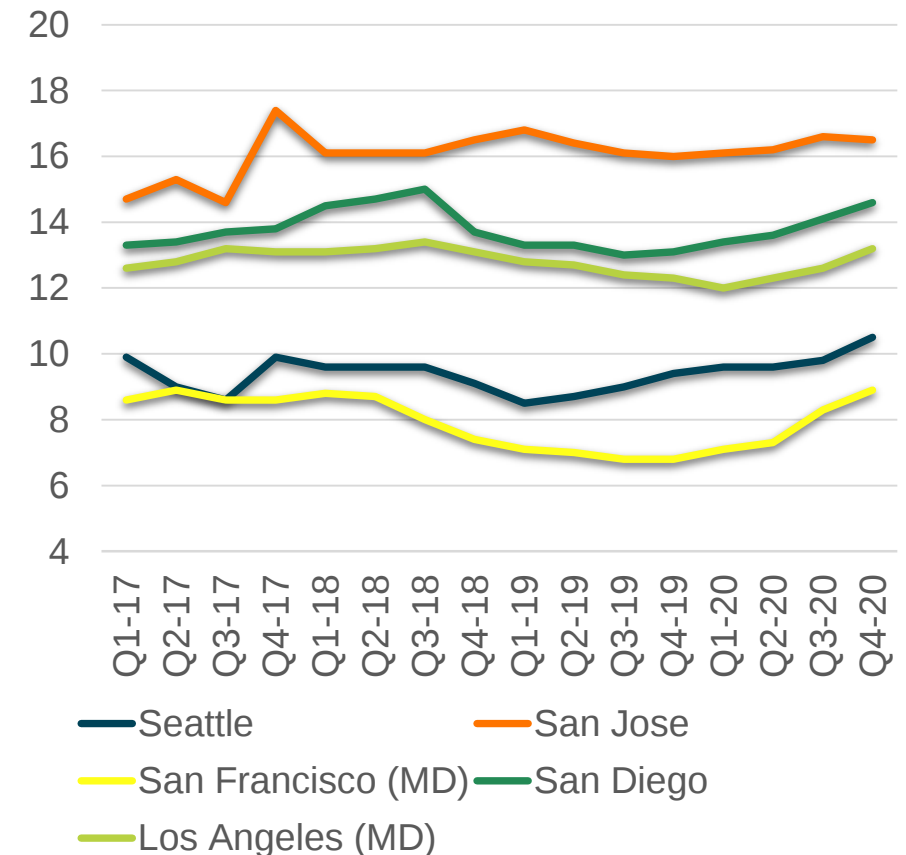
Source: Stanford University

How Will Businesses Respond?

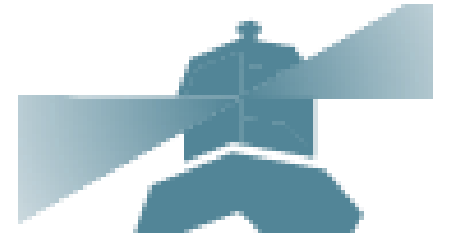


- Businesses will still be downtown
 - Forces of agglomeration
 - Creative forces, liquid labor markets, close proximity to vendors and clients
 - Greater specialization
 - More telecommuting
 - Look for consolidation effects
- Biz Travel
 - Business travel downs, but also ups
 - “Over half (58%) of business travelers express the fact that they are “burned out” on virtual business meetings and events.”
 - “[B]usiness travelers expect that conferences, conventions and trade shows will be offered in a virtual or hybrid format in 2021, a majority (77%) would prefer attending in person in the future.”

Office Vacancy Rates Class A Space



The Long Run Still Matters



- It ain't good, but it ain't *that* bad..
 - The “V” is the only logical outcome
 - Speed of recovery dictated by pace at which vaccines rolled out
- Baseline Forecast
 - 5.5% Q1, 11%Q2, 5.5% Q3, 6% Q4
 - The new roaring 20's?
 - Unemployment below 5% by year end
 - Moderate upticks in debt distress
 - Retail / restaurants / tourism to lag
 - Residential Real Estate Markets? Cold, Hot, Bubble?
- The true enemy: Miserabilism
 - Problem before the pandemic
 - More bad policy driven by a basic lack of context
 - Health needs conflated with culture wars
 - No consideration for tomorrow / the next generation
- Forecast Wildcards
 - New variants of virus vs Vaccine roll outs
 - A new financial bubble?
 - Interest rates, public debt, inflation



Thank You

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