

stewart

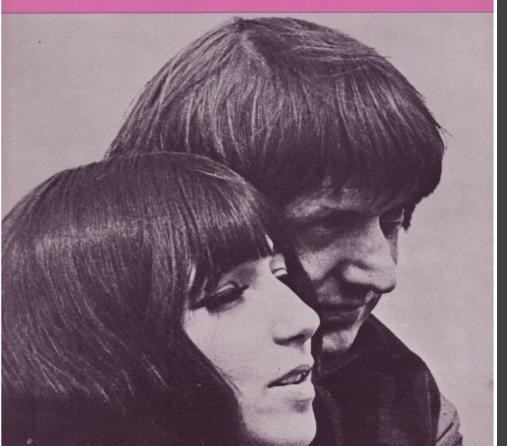
An Economic Outlook on What Changes, What Stays the Same and What's to Come Ted C. Jones, PhD **Chief Economist Stewart Title**



Recorded by SONNY and CHER on Atco Records

THE BEAT GOES ON

Words and Music by SONNY BONO



1967 – An Economic Forecast for 2020

What Changes,
What Stays
the Same
What's to
Come

The beat goes on, the beat goes on Drums keep pounding a rhythm to the brain La de da de de, la de da de da

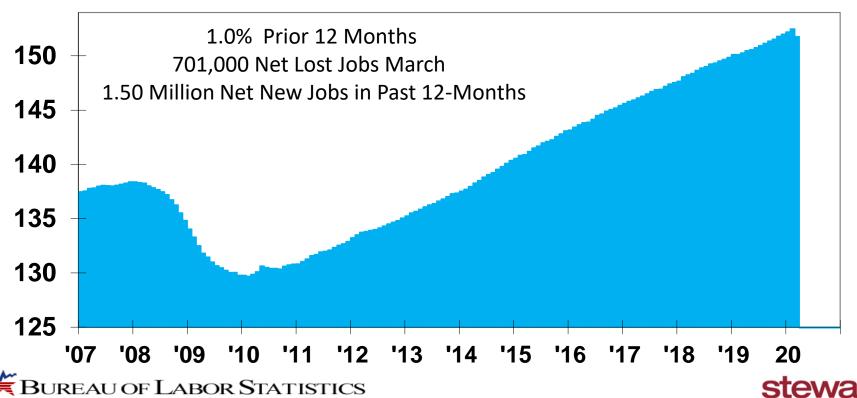
Charleston was once the rage, uh huh History has turned the page, uh huh The mini skirts, the current thing, uh huh Teenybopper is our newborn king, uh huh

Sonny & Cher

U.S. Jobs

More Jobs Than Anytime In History

Jobs (Millions) Seasonally Adjusted



Weekly Unemployment Claims

695,000 October 1982 Prior Record

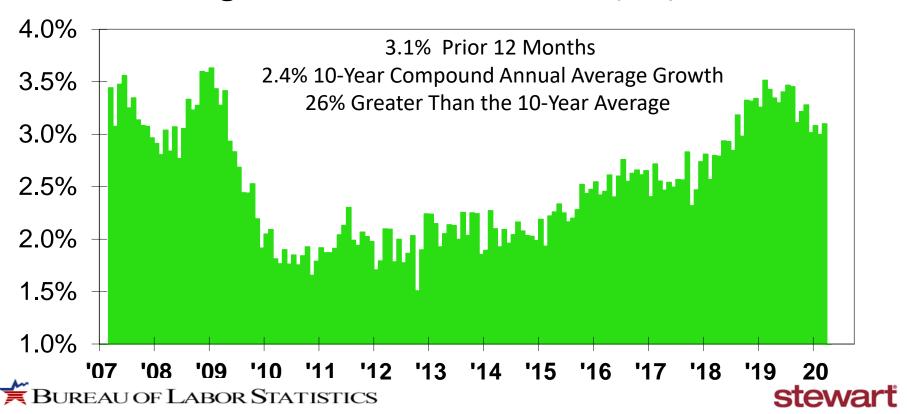
- 3.307 Million March 25, 2020 4.7X
- 6.648 Million April 2, 2020 2X
- 6.606 Million April 9, 2020
- 5.245 Million April 16, 2020



U.S. Hourly Wage Growth

2019 – Best Wage Increases in a Decade

Percent Change – Prior 12 Months Seasonally Adjusted



Recession

Recession is Defined as Two or More Quarters of Negative GDP Growth



3.1% 2.0% 2.1% 2.1% Q1 2019 Q2 2019 Q3 2019 Q4 2019

-9% Q1 2020

-34% +19%

-6.2%
2020

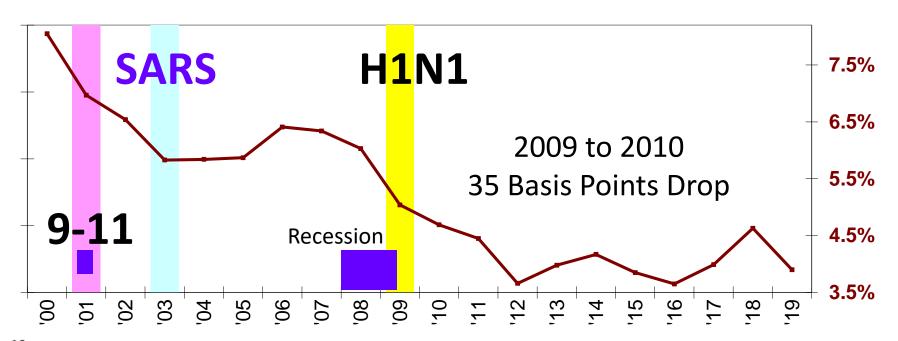
Q2 2020

Q3 2020

30-Year Conventional Mortgage Interest Rates

Major Pandemics-Seismic Events

Percent



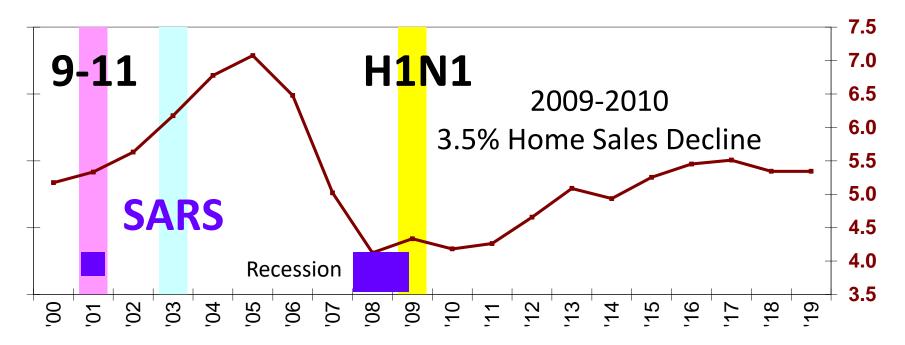


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Annual Existing Home Sales

Major Pandemics-Seismic Events

Millions



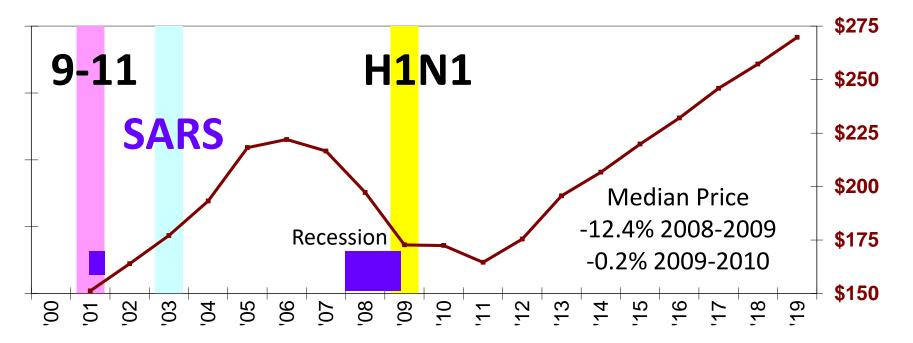




Median Price - Existing Home Sales

Major Pandemics-Seismic Events

\$ Thousands



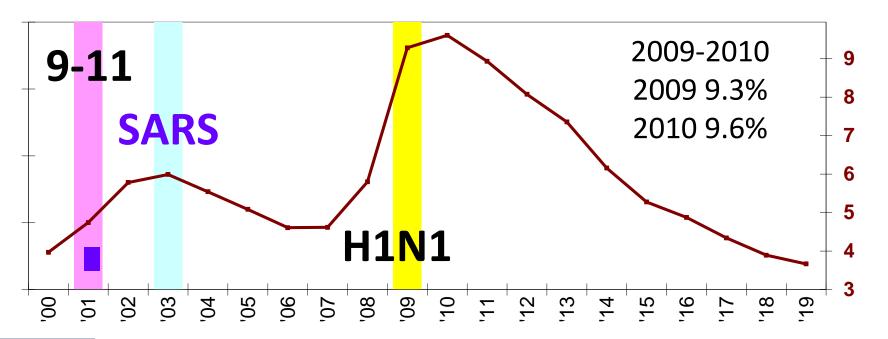




Unemployment Rate

Major Pandemics-Seismic Events

Unemployment Rate



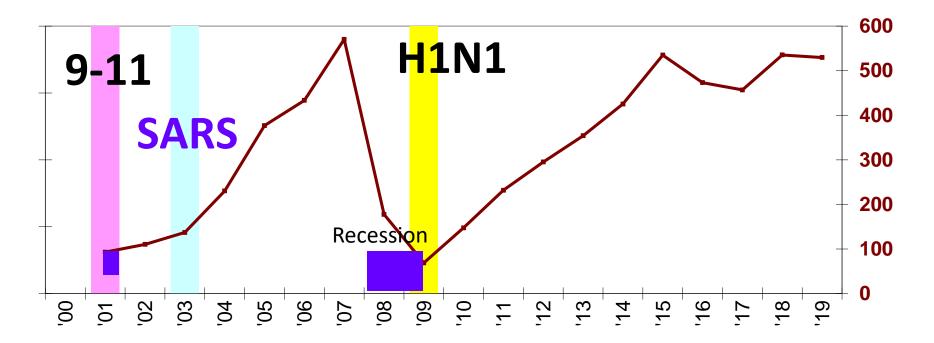




Commercial Real Estate Sales Volume

Major Pandemics-Seismic Events

\$ Billions

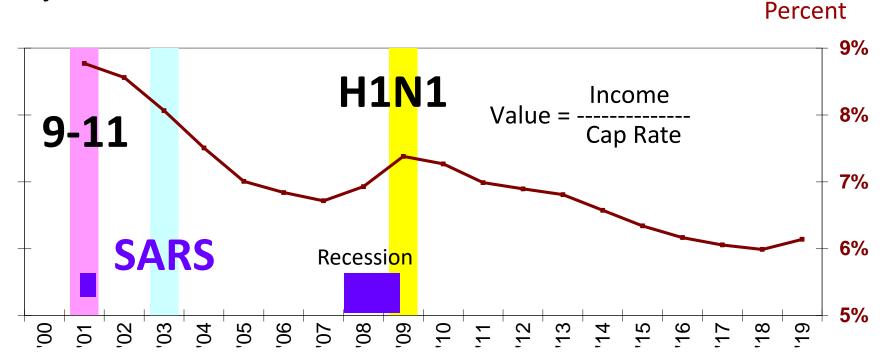






Commercial Real Estate Capitalization Rates

Major Pandemics-Seismic Events







H1N1 aka Swine Flu

United States 2009
60.8 Million Cases
274,304 Hospitalizations
12,469 Deaths 284,000 world

Probably
Forgot
or
Never
Knew

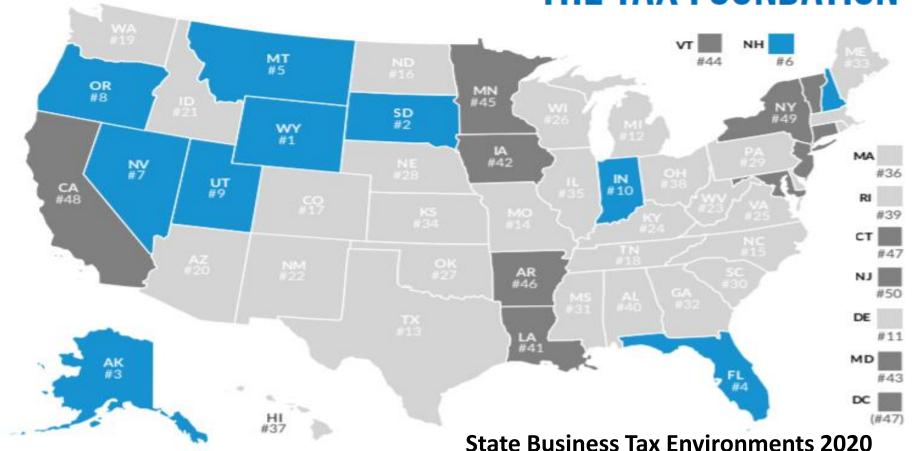
61,000

U.S. Flu Deaths Fall of 2017 Spring of 2018 Flu Season

State Job Growth -- 12 Months Ending March 2020

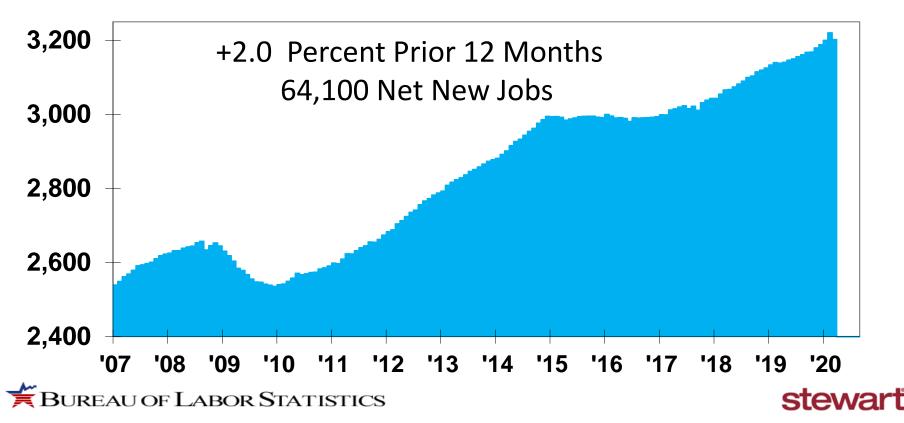
	•				
Utah	2.61%	Alabama	0.61%	Mississippi	-0.20%
Arizona	2.21%	Delaware	0.59%	Missouri	-0.30%
Idaho	2.20%	North Carolina	0.54%	Rhode Island	-0.30%
Texas	1.91%	Dist of Columbia	0.50%	Minnesota	-0.36%
Washington	1.88%	Virginia	0.50%	Maine	-0.42%
Tennessee	1.71%	New Jersey	0.38%	Alaska	-0.44%
New Mexico	1.67%	Nevada	0.35%	Arkansas	-0.45%
Montana	1.65%	Maryland	0.34%	Hawaii	-0.45%
Colorado	1.60%	Connecticut	0.31%	Indiana	-0.46%
Florida	1.32%	New York	0.18%	Wyoming	-0.46%
South Carolina	1.27%	Wisconsin	0.13%	Ohio	-0.54%
South Dakota	1.04%	North Dakota	0.12%	Iowa	-0.59%
Nebraska	0.90%	Pennsylvania	0.10%	Illinois	-0.66%
California	0.83%	Massachusetts	0.01%	Oklahoma	-0.72%
Georgia	0.79%	Kentucky	-0.04%	Louisiana	-1.02%
Oregon	0.77%	Michigan	-0.07%	West Virginia	-1.62%
Kansas	0.65%	New Hampshire	-0.19%	Vermont	-2.20%

THE TAX FOUNDATION



Houston-The Woodlands-Sugar Land MSA Jobs

Jobs (Thousands) Seasonally Adjusted



Unemployment Rate

March 2020 - Not Seasonally Adjusted

4.5%

U.S.

4.7%

Texas

3.9%

Houston MSA

Smallest State Unemployment Increase Since Coronavirus

Weeks Ending March 21 & 28, April 4 & 11

		Week		Percent
		Ending	Last 4	of
Rank	State	April 11	Weeks	Workforce
1	South Dakota	6,152	22,852	4.9%
2	West Virginia	14,595	47,148	5.8%
3	Florida	181,293	653 <i>,</i> 975	6.2%
4	Utah	24,171	105,433	6.4%
5	Connecticut	33,962	125,753	6.6%
6	Texas	273,567	1,020,345	7.1%
7	Wyoming	4,904	21,496	7.3%
8	Colorado	105,073	233,011	7.3%
9	Nebraska	16,391	83,870	8.1%
10	Oregon	50,930	191,270	9.1%
10	Oregon	50,930	191,270	9.1%

Largest State Unemployment Increase Since Coronavirus

Weeks Ending March 21 & 28, April 4 & 11

		Week		Percent
		Ending	Last 4	of
 Rank	State	April 11	Weeks	Workforce
1	Hawaii	34,693	145,205	21.7%
2	Michigan	219,320	1,040,215	21.0%
3	Rhode Island	22,805	114,695	20.6%
4	Pennsylvania	238,357	1,298,125	19.8%
5	Nevada	60,180	303,705	19.3%
6	Kentucky	115,763	395,910	19.1%
7	Louisiana	80,045	350,504	16.7%
8	Georgia	317,526	853,618	16.5%
9	New Hampshire	23,936	123,895	15.9%
10	Washington	150,516	634,526	15.9%

Orlando MSA Vs U.S. Supersector Employment Analysis - March 2020					
Not Seasonally Adjusted	Percent of		12-Month		
	All Jobs	S	Job Grov	vth	
Employment Supersector	Orlando	U.S.	Orlando	U.S.	
Mining & Logging	0.0%	0.5%	0.0%	-4.7%	
Mining & Logging + Construction	6.8%	5.3%	6.9%	0.9%	
Construction	6.8%	4.9%	6.9%	2.2%	
Manufacturing	3.7%	8.5%	2.2%	0.1%	
Trade-Transport-Utilities	18.0%	18.2%	0.8%	0.4%	
Information	1.9%	1.9%	1.2%	1.7%	
Financial Activities	6.0%	5.8%	4.3%	1.7%	
Professional and Business Service	17.3%	14.1%	-0.8%	1.5%	
Education and Health Services	12.5%	16.3%	5.1%	2.2%	
Leisure & Hospitality	20.6%	10.6%	-0.1%	-0.6%	
Other	3.4%	3.9%	1.3%	0.8%	
Government	9.7%	15.3%	0.5%	0.9%	

Source: U.S. Bureau of Labor Statistics, Stewart Title Guaranty Company

Houston MSA Vs U.S. Supersector Employment Analysis - March 2020						
Not Seasonally Adjusted	Percent of		12-Month			
	All Job	s	Job Grov	vth		
Employment Supersector	Houston	U.S.	Houston	U.S.		
Mining & Logging	2.4%	0.5%	-5.5%	-4.7%		
Mining & Logging + Construction	9.0%	<i>5.3%</i>	0.0%	0.9%		
Construction	7.5%	4.9%	2.1%	2.2%		
Manufacturing	7.1%	8.5%	-3.7%	0.1%		
Trade-Transport-Utilities	19.9%	18.2%	1.8%	0.4%		
Information	1.0%	1.9%	1.2%	1.7%		
Financial Activities	5.2%	5.8%	1.8%	1.7%		
Professional and Business Service	16.1%	14.1%	3.2%	1.5%		
Education and Health Services	13.0%	16.3%	3.6%	2.2%		
Leisure & Hospitality	10.6%	10.6%	1.9%	-0.6%		
Other	3.8%	3.9%	7.1%	0.8%		
Government	13.4%	15.3%	1.8%	0.9%		

Source: U.S. Bureau of Labor Statistics, Stewart Title Guaranty Company

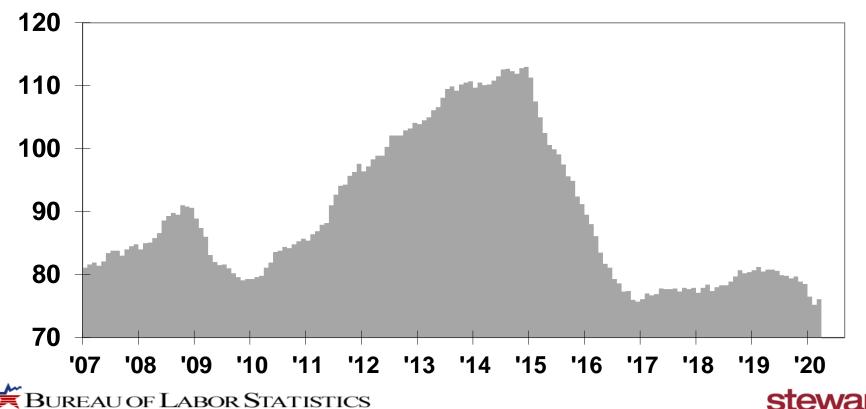
Houston-The Woodlands-Sugar Land MSA SuperSector Job Growth Analysis -- March 2020

Not Seasonally Adjusted

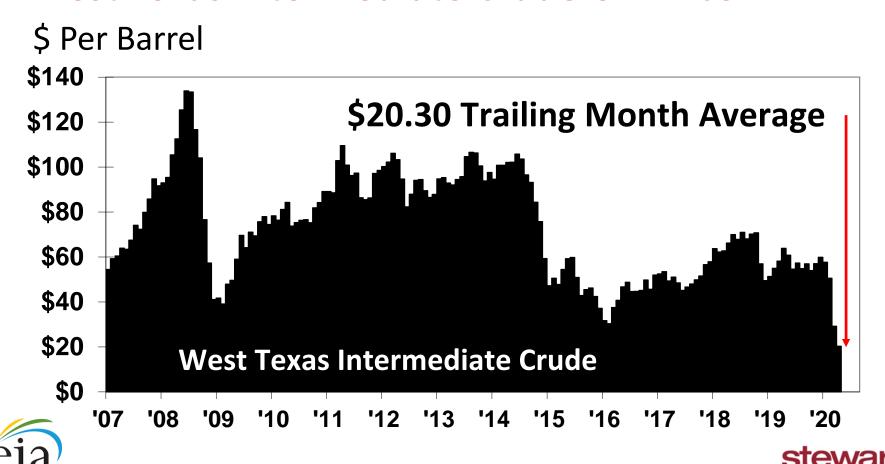
				12-Mo	nths	5 Yea	ırs
	Total Jobs	Perc	ent of	Net New		Net New	
	Thousands	All	Jobs	Jobs	Percent	Jobs	Percent
Employment Supersector	Mar 2020	Today	5-Years Ago	Thousands	Change	Thousands	Change
Total	3,195.7	100.0%	100.0%	59.0	1.9%	206.9	6.9%
Mining & Logging	76.1	2.4%	3.5%	(4.4)	-5.5%	(28.9)	-27.5%
Mining, Logging and Construction	287.5	9.0%	9.6%	-	0.0%	-	0.0%
Construction	239.1	7.5%	7.2%	4.9	2.1%	24.2	11.3%
Manufacturing	227.4	7.1%	8.5%	(8.8)	-3.7%	(28.0)	-11.0%
Trade-Transport-Utilities	635.0	19.9%	20.1%	11.4	1.8%	32.9	5.5%
Information	32.6	1.0%	1.1%	0.4	1.2%	0.6	1.9%
Financial Activites	167.2	5.2%	5.0%	2.9	1.8%	17.1	11.4%
Professional and Business Service	515.8	16.1%	15.8%	16.1	3.2%	44.2	9.4%
Education and Health Services	415.0	13.0%	12.1%	14.5	3.6%	52.2	14.4%
Leisure & Hospitality	337.3	10.6%	9.8%	6.4	1.9%	43.3	14.7%
Other	122.6	3.8%	3.6%	8.1	7.1%	15.9	14.9%
Government	427.6	13.4%	13.2%	7.5	1.8%	33.4	8.5%

Houston-The Woodlands-Sugar Land MSA Jobs

Mining & Logging Jobs (Thousands) Not Seasonally Adjusted



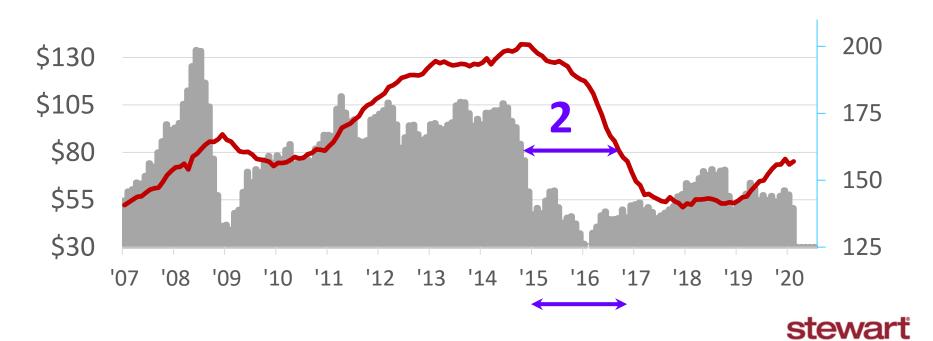
West Texas Intermediate Crude Oil Price



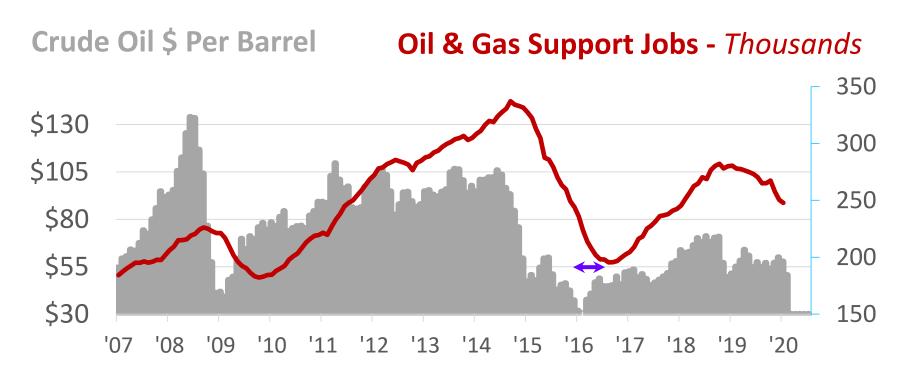
Oil Prices - Oil & Gas Extraction Jobs

Crude Oil \$ Per Barrel

Oil & Gas Extraction Jobs - Thousands



Oil Prices - Support for Oil & Gas Jobs







FORECAST

FEDERAL RESERVE BANK of ST. LOUIS
CENTRAL TO AMERICA'S ECONOMY*

Q2 2020

47

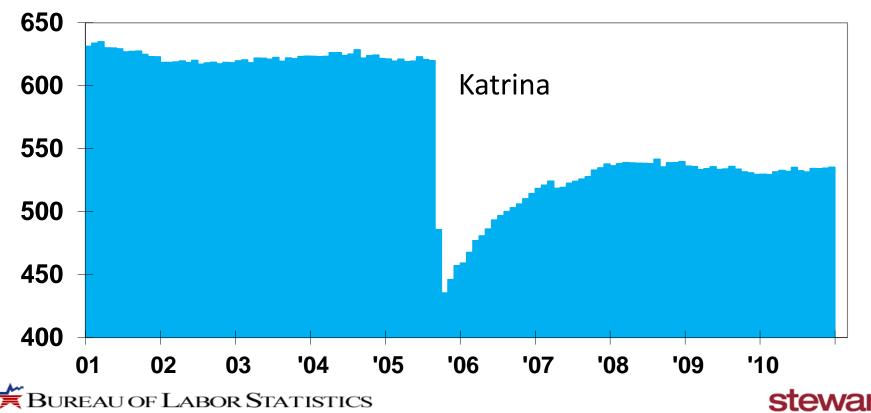
32.1%

Million Unemployed

Unemployment Rate

New Orleans MSA Jobs

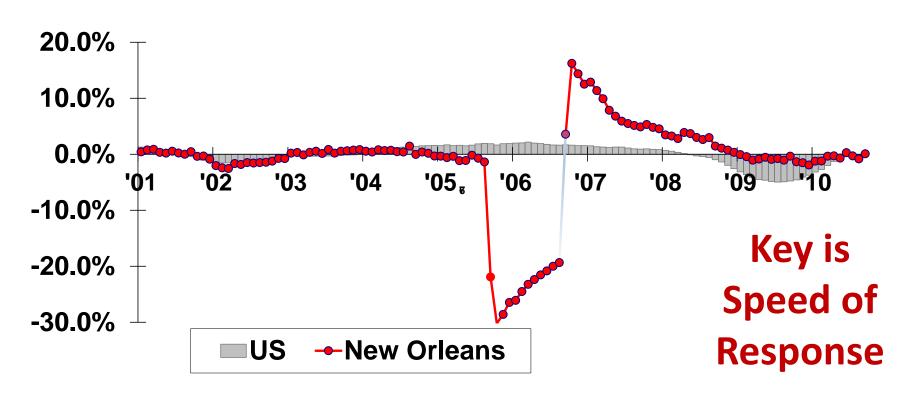
Jobs (Thousands) Seasonally Adjusted



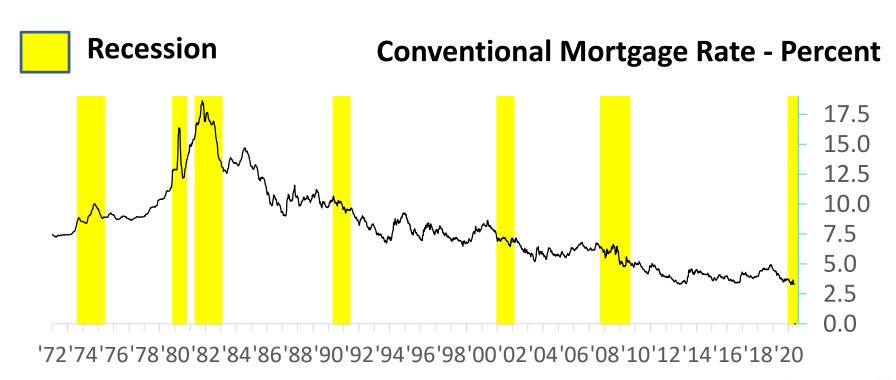
New Orleans Jobs

Not Seasonally Adjusted

Percent Change from Same Month Prior Year



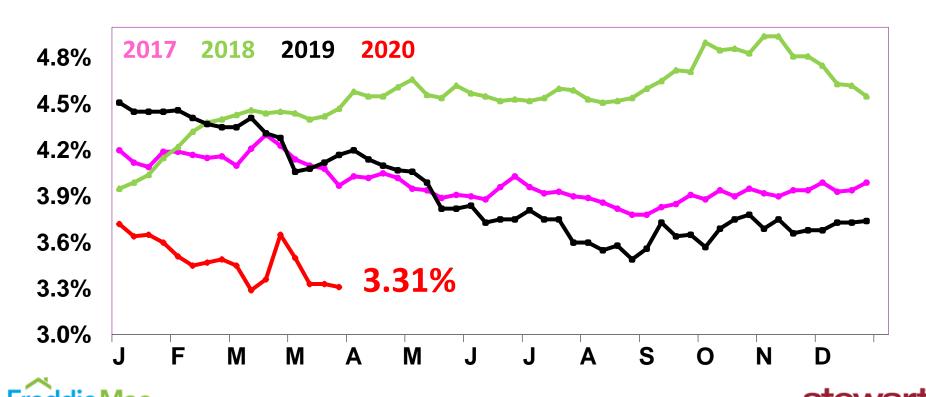
Residential Interest Rates + Recession





30-Year Conventional Residential Mortgage Rates

Percent



30-Year Fixed-Rate Loans

2019	3.9%	3.7%	4.0%
2020	3.3%	3.5%	3.3%
2021	3.1%	3.7%	3.1%

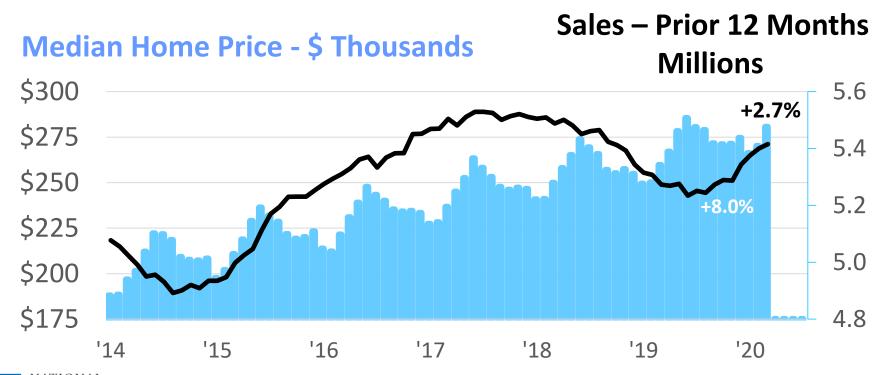






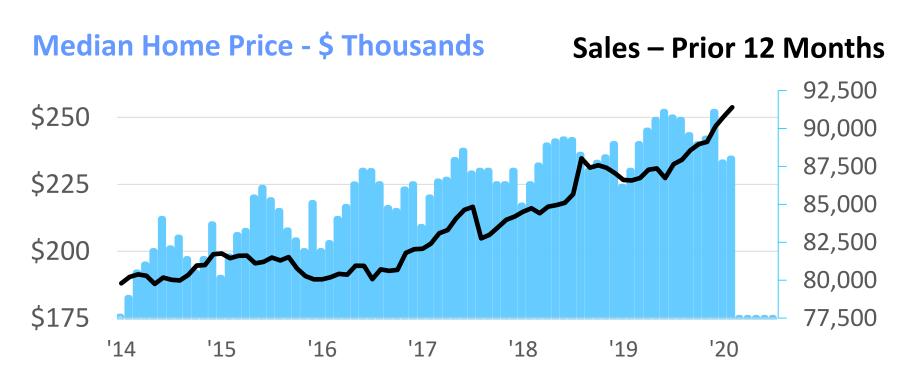
	Treasurys	La	st Week	Commercial Cap Rat	es Q4 2019
\sim	1 Year	0.17%	0.19%	Overall	6.22%
(((//))	2 Year	0.20%	0.20%	Apartments	5.32%
	5 Year	0.34%	0.34%	Hotels	8.52%
	10 Year	0.58%	0.76%	Industrial	6.14%
	20 Year	0.98%	1.19%	Offices	6.48%
	30 Year	1.17%	1.41%	Retail	6.56%
	U.S. DEPARTME	NT OF THE TREA	SURY	Senior Housing	7.18%
	Municipal 10-Ye	ear Bonds La	st Week	REALSAS	LYTICS
	AAA	1.10%	1.25%	Corporate Bonds	
	AA	1.20%	1.40%	Aaa Corporate	2.36%
	A	1.40% bonds, Inc.	1.55%	Baa Corporate Moor	3.91% ov's

US Existing Home Sales & Median Prices





Houston MSA Home Sales & Median Prices





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Jobs & Residential Dwelling Unit Permits

Houston MSA									
	Net	Dwelling	Jobs						
	New	Unit	Per New						
Year	Jobs	Permits	Dwelling						
2013	89,900	51,334	1.75						
2014	116,800	63,745	1.83						
2015	(3,200)	56,901	(0.06)						
2016	2,600	44,732	0.06						
2017	49,300	42,395	1.16						
2018	82,100	57,478	1.43						
2019	62,800	61,770	1.02						
Total	400,300	378,355	1.06						

New Dwelling Normal OVERBUILT

1.25 to

1.50 New

Jobs

Per

Houston Single-Family Exisitng Home Sales

Galveston-Ft Bend-Harris-Montgomery Counties



Month	2015	2016	2017	2018	2019	2020
Jan	3,607	3,542	3,583	3,900	3,553	4,030
Feb	3,994	4,207	4,406	4,679	4,646	5,152
Mar	5,462	5,568	6,159	5,931	6,138	6,272

Percent Change-Year-Over-Year

Month	2015	2016	2017	2018	2019	2020
Jan		-1.8%	1.2%	8.8%	-8.9%	13.4%
Feb		5.3%	4.7%	6.2%	-0.7%	10.9%
Mar		1.9%	10.6%	-3.7%	3.5%	2.2%

PRELIMINARY

SFR Sales

Houston Number of New Single-Family Existing Home Listings Galveston-Ft Bend-Harris-Montgomery Counties



Month	2015	2016	2017	2018	2019	2020
Jan	7,348	8,057	8,229	7,960	9,059	9,517
Feb	7,450	8,546	8,558	8,204	8,858	9,580
Mar	8,430	9,836	11,202	10,671	10,977	10,274

Percent Change-Year-Over-Year

Month	2015	2016	2017	2018	2019	2020
Jan		9.6%	2.1%	-3.3%	13.8%	5.1%
Feb		14.7%	0.1%	-4.1%	8.0%	8.2%
Mar		16.7%	13.9%	-4.7%	2.9%	-6.4%

PRELIMINARY

SFR New Listings

Houston Single Family Home Sales January-March

Galveston-Ft Bend-Harris-Montgomery Counties

	2014	2015	2016	2017	2018	2019	2020
\$1 to \$499,999	11,998	11,829	12,211	12,869	13,188	13,010	13,983
\$500,000 to \$799,999	795	819	751	835	895	902	1,030
\$800,000 to \$999,999	170	146	135	174	186	174	203
\$1 Million and Up	219	269	220	270	241	251	312
Total	13,182	13,063	13,317	14,148	14,510	14,337	15,528

Percent Change -2020 vs 2019

\$1 to \$499,999	7.5%
\$500,000 to \$799,999	14.2%
\$800,000 to \$999,999	16.7%
\$1 Million and Up	24.3%





Single Family Sales - Galveston Ft Bend Harris Montgomery Counties

	2013	2014	2015	2016	2017	2018	2019
\$1 to \$499,999	60,518	60,764	59,209	61,217	62,791	64,969	67,880
\$500,000 to \$799,999	3,681	4,514	4,564	4,401	4,566	5,012	5,377
\$800,000 to \$999,999	847	993	916	844	912	973	1,045
\$1 Million and Up	1,225	1,383	1,418	1,352	1,506	1,593	1,645
Total	66,271	67,654	66,107	67,814	69,775	72,547	75,947

Oil Price \$ 97.91 \$93.26 \$48.69 \$43.29 \$50.80 \$65.23 \$56.99



Single Family Sales - Galveston Ft Bend Harris Montgomery Counties

Percent Change - Prior Year

_	2014	2015	2016	2017	2018	2019
\$1 to \$499,999	0.4%	-2.6%	3.4%	2.6%	3.5%	4.5%
\$500,000 to \$799,999	22.6%	1.1%	-3.6%	3.7%	9.8%	7.3%
\$800,000 to \$999,999	17.2%	-7.8%	-7.9%	8.1%	6.7%	7.4%
\$1 Million and Up	12.9%	2.5%	-4.7%	11.4%	5.8%	3.3%
Total	2.1%	-2.3%	2.6%	2.9%	4.0%	4.7%
Oil Price	-4.7%	-47.8%	-11.1%	17.3%	28.4%	-12.6%



Average Rent	\$ 1,110	Houston
Year-Over-Year Change	1%	
Average Apartment Size- Sq	Ft 879	Apartmen
Apartment Mix		Rents
Less Than \$501		Kents
\$501 - \$700	12%	
\$701 - \$1,000	41%	
\$1,001 - \$1,500	31%	RENTCafé

10%

5%

\$1,501 - \$2,000

> \$2,000

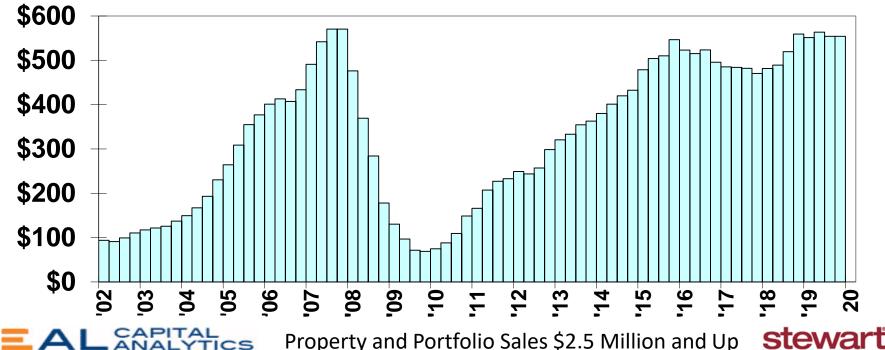
RENTCafé® Apartment Rents

Conventional -	20%	Down	FHA - 3.5	% Dov	wn
Average Rent	\$	1,110	Average Rent	\$	1,110
Rate		3.31%	Rate		2.995%
Term		30 Years	Term		30 Years
Houston			Houston		
Average Price	\$	244,100	Average Price	\$	244,100
Less 20% Down		(48,820)	Less 3.5% Down		(8,544)
Loan Amount	\$	195,280	Loan Amount	\$	235,557
Monthly Payment		(856)	Monthly Payment		(992)
Residual	\$	254	Residual	\$	118
Conventional Loa	n		FHA		

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US Commercial Real Estate Sales Volume

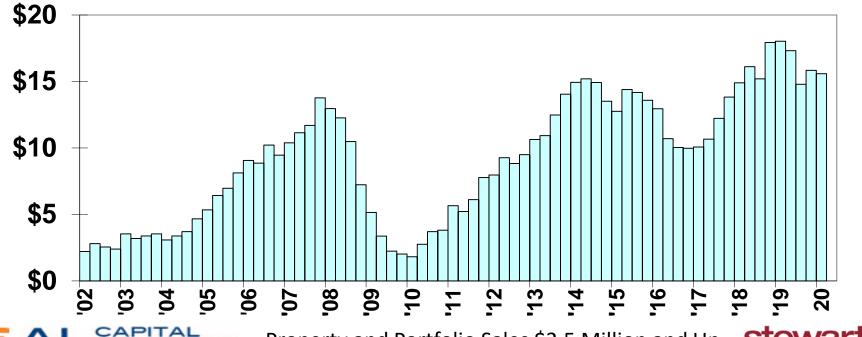
\$ Billions – Trailing 12 Months





Houston Commercial Real Estate Sales

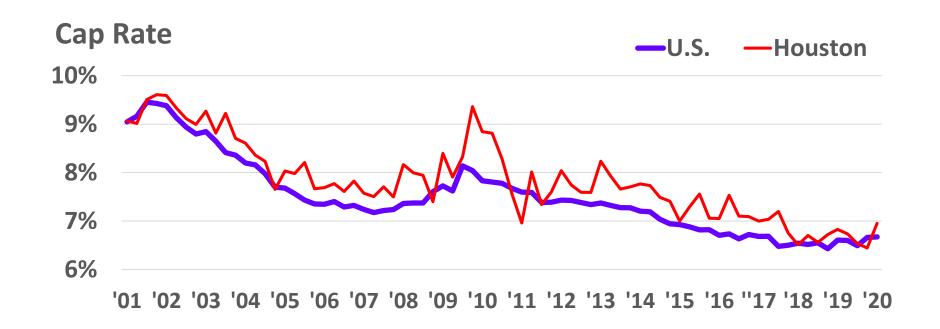
\$ Billions – *Trailing 12 Months*





Property and Portfolio Sales \$2.5 Million and Up

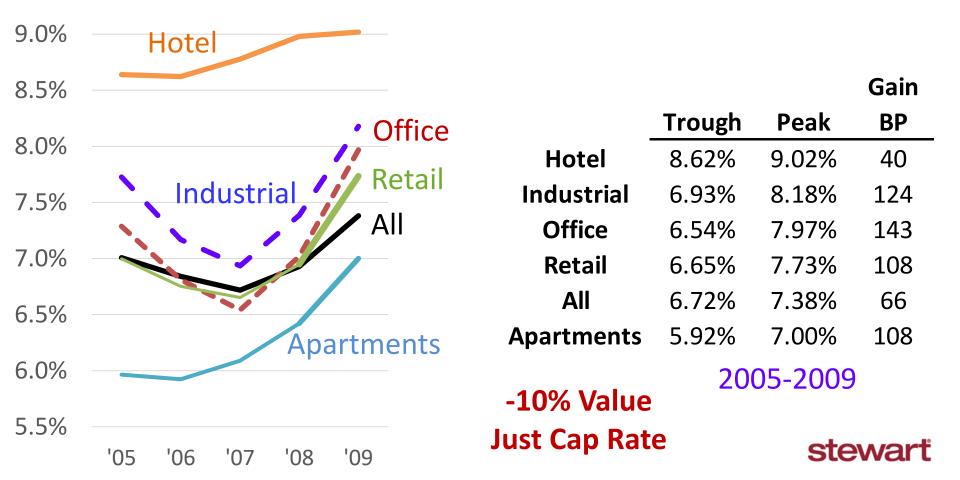
U.S. Vs Houston Cap Rates





Commercial Cap Rates









April Rent for Small Businesses Up to 50 Employees

Survey with 1,000+ small business owners found:

(approximate)

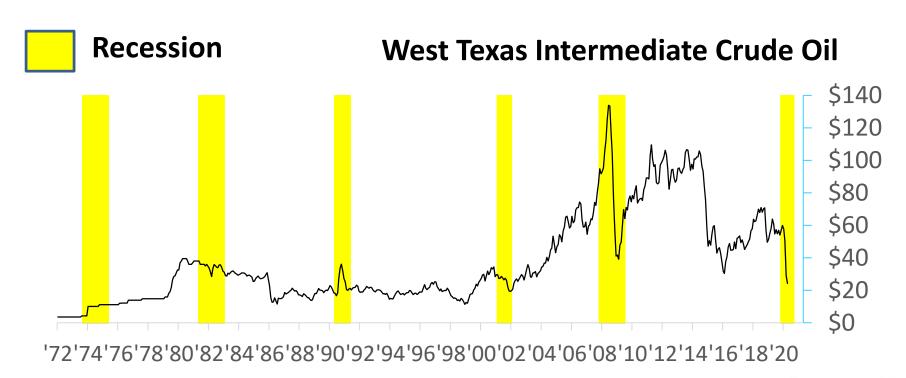
30% made no rent payment 20% only made a partial rent payment 25% reported their landlord or bank offered a reduction or deferral

@WSJ @Alignable

Value Impacts – Commercial Real Estate

- Cap Rates Risk Component
- Demand Rent Component
- Vacancy & Collection Loss

Recessions + Oil Prices





2020 Economic Outlook Ted's Take

Expected Short Recession, Deep — But Out by Q4
Entered Downturn with Best Wage Growth in 10 Years
Record Low Interest Rates
Cheap Energy fuels the economy, helps almost EVERYONE
Manufacturing Comeback no college or debt required
replacing China on many fronts — medical, parts





What's to Come - Permanent Ted's Take

- U.S. Manufacturing LONGTERM Comeback
- Hastening Paperless Real Estate Transaction Process
- Remote Everything Notary, Closings, Appraisals.....
- Drive-Thru Everything
- Office Demand Permanently Down
- Industrial Property Demand Permanently Up
- Leisure & Hospitality Direct Hit from the Blast + RE
- Oil Prices Remain Low 99.5% of Consumers Win





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Stewart Blog



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An Economic Outlook on What Changes, What Stays the Same and What's to Come Ted C. Jones, PhD **Chief Economist Stewart Title**