

An Economic Outlook on What Changes, What Stays the Same and What's to Come

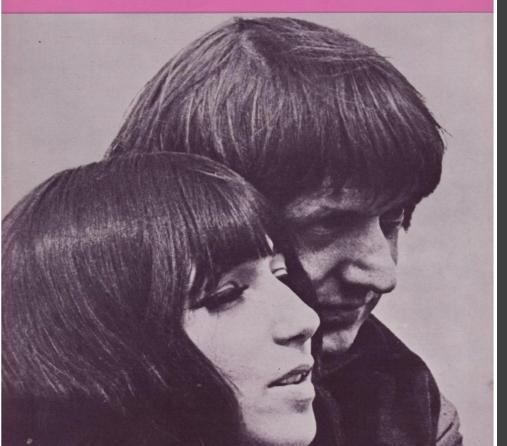
Ted C. Jones, PhD Chief Economist Stewart Title



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

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

4.427 Million April 23, 2020

3.839 Million April 30, 2020

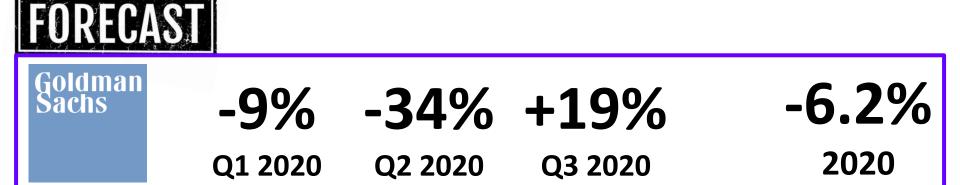
22%
Unemployment
Rate



Recession

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

-4.8% Q1 2020





FORECAST

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

Q2 2020

47

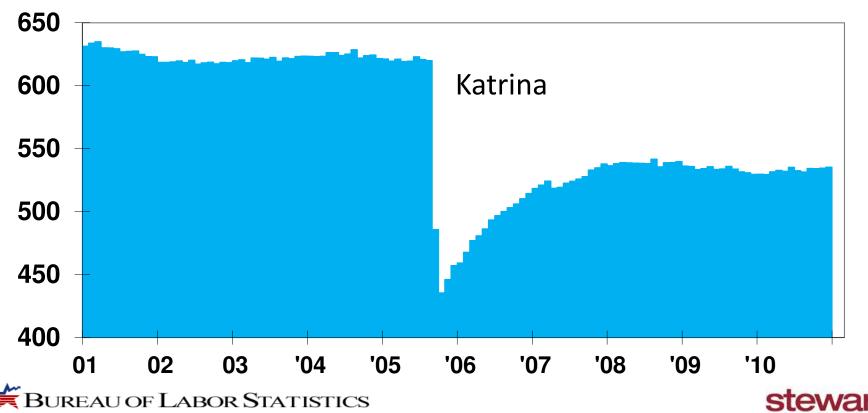
32.1%

Million Unemployed

Unemployment Rate

New Orleans MSA Jobs

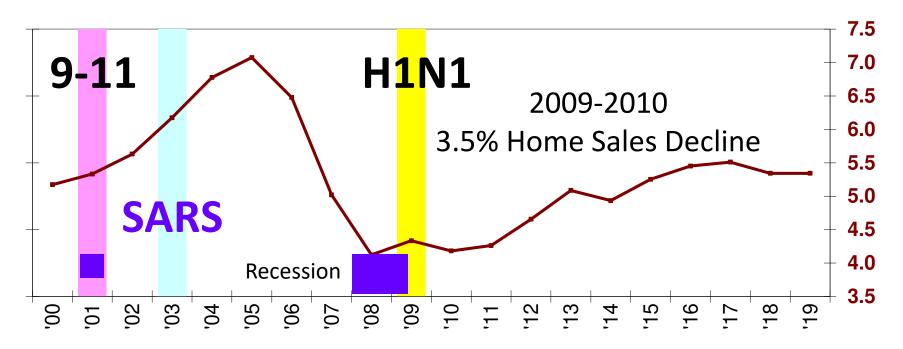
Jobs (Thousands) Seasonally Adjusted



Annual Existing Home Sales

Major Pandemics-Seismic Events

Millions



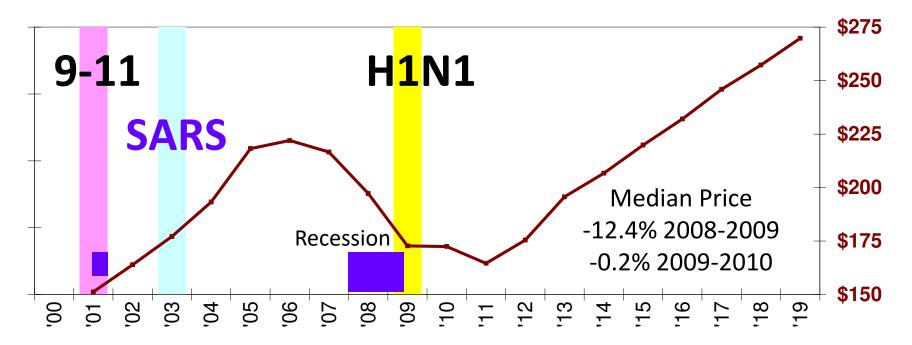




Median Price - Existing Home Sales

Major Pandemics-Seismic Events

\$ Thousands



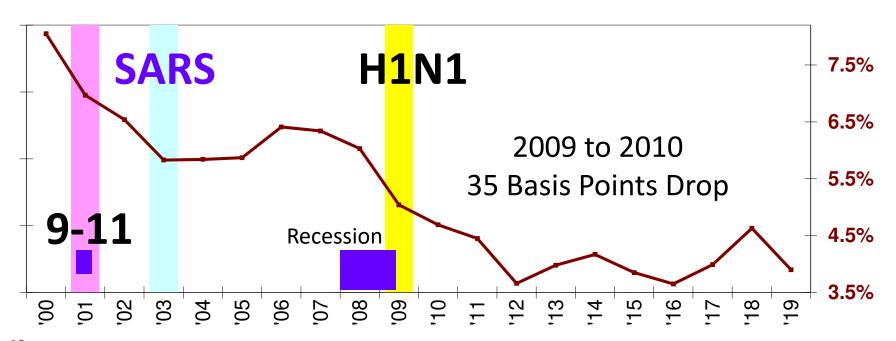




30-Year Conventional Mortgage Interest Rates

Major Pandemics-Seismic Events

Percent



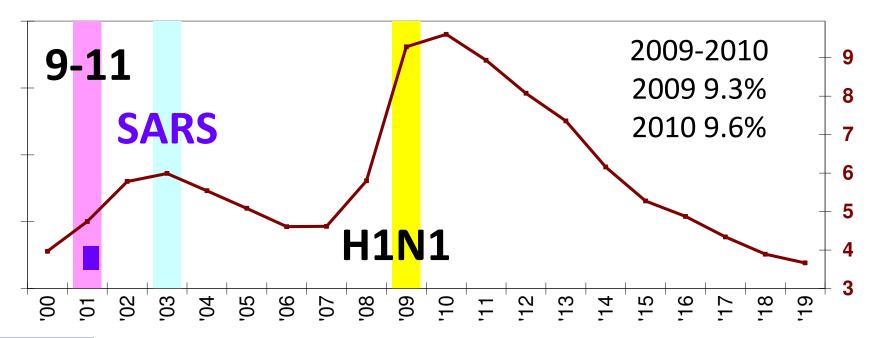


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Unemployment Rate

Major Pandemics-Seismic Events

Unemployment Rate



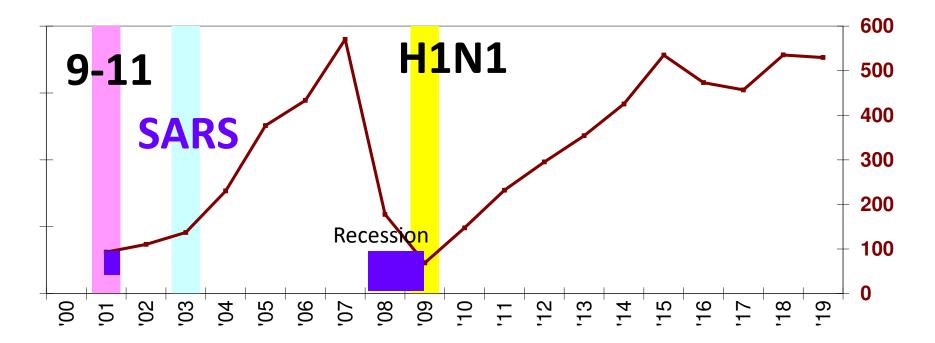




Commercial Real Estate Sales Volume

Major Pandemics-Seismic Events

\$ Billions

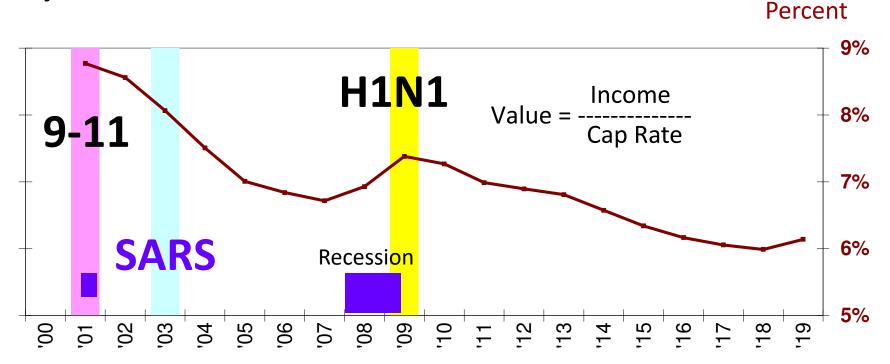






Commercial Real Estate Capitalization Rates

Major Pandemics-Seismic Events







H1N1 aka Swine Flu

Coronavirus

United States 2009

World

60.8 Million Cases

3,595,363

274,304 Hospitalizations

12,469 Deaths 284,000 world

249,225

5-4-20



https://www.worldometers.info/coronavirus/

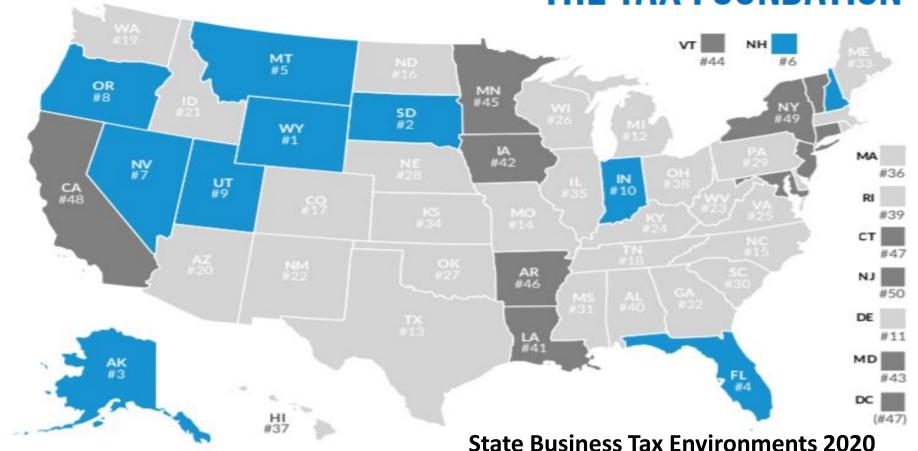
61,000

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

State Job Growth -- 12 Months Ending March 2020

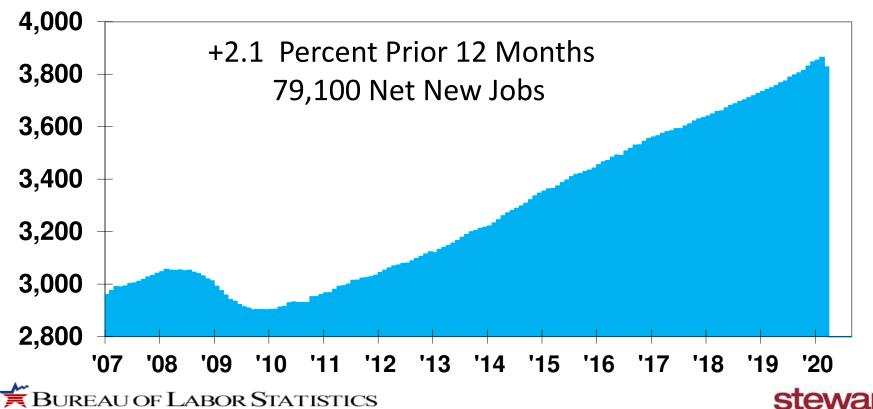
	Utah	2.61%	Alabama	0.61%	Mississippi	-0.20%
	Arizona	2.21%	Delaware	0.59%	Missouri	-0.30%
	Idaho	2.20%	North Carolina	0.54%	Rhode Island	-0.30%
	Texas	1.91%	Dist of Columbia	0.50%	Minnesota	-0.36%
	Washington	1.88%	Virginia	0.50%	Maine	-0.42%
	Tennessee	1.71%	New Jersey	0.38%	Alaska	-0.44%
	New Mexico	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%
Į.	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%	lowa	-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



Dallas-Ft Worth-Arlington MSA Jobs

Jobs (Thousands) Seasonally Adjusted



DFW MSA Vs U.S. Supersector Employment Analysis - March 2020						
Not Seasonally Adjusted	Percent	of	12-Mon	th		
	All Jok	os	Job Grov	vth		
Employment Supersector	DFW MSA	U.S.	DFW MSA	U.S.		
Mining & Logging		0.5%		-4.7%		
Mining & Logging + Construction	6.1%	5.3%	4.7%	0.9%		
Construction		4.9%		2.2%		
Manufacturing	7.5%	8.5%	0.3%	0.1%		
Trade-Transport-Utilities	20.9%	18.2%	2.1%	0.4%		
Information	2.2%	1.9%	1.7%	1.7%		
Financial Activities	8.6%	5.8%	4.0%	1.7%		
Professional and Business Service	17.0%	14.1%	4.2%	1.5%		
Education and Health Services	12.2%	16.3%	1.6%	2.2%		
Leisure & Hospitality	10.2%	10.6%	0.4%	-0.6%		
Other	3.3%	3.9%	-0.3%	0.8%		
Government	12.0%	15.3%	2.1%	0.9%		

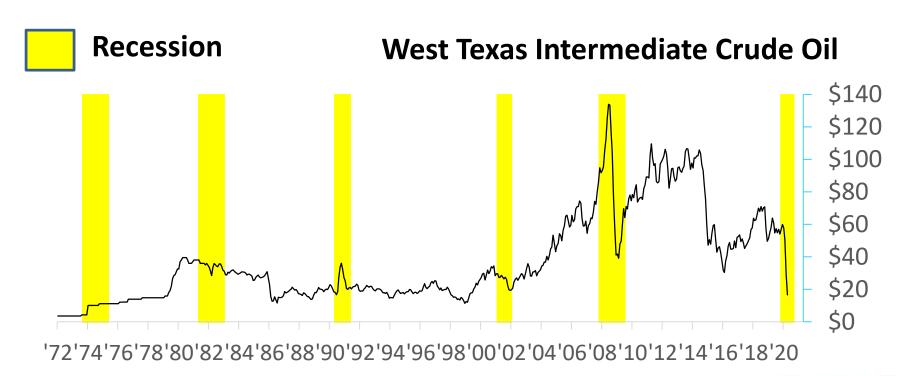
Source: U.S. Bureau of Labor Statistics, Stewart Title Guaranty Company

DFW MSA SuperSector Job Growth Analysis -- March 2020

Not Seasonally Adjusted

	_			12-Mo	nths	5 Yea	ars
	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	3,816.3	100.0%	100.0%	86.2	2.3%	469.1	14.0%
Mining & Logging	-	0.0%	0.0%	-	#DIV/0!	-	#DIV/0!
Mining, Logging and Construction	233.4	6.1%	5.9%	10.4	4.7%	37.3	19.0%
Construction	-	0.0%	0.0%	-	#DIV/0!	-	#DIV/0!
Manufacturing	287.8	7.5%	7.9%	0.8	0.3%	23.9	9.1%
Trade-Transport-Utilities	795.7	20.9%	21.0%	16.7	2.1%	92.3	13.1%
Information	82.7	2.2%	2.4%	1.4	1.7%	2.9	3.6%
Financial Activites	326.4	8.6%	8.1%	12.7	4.0%	56.1	20.8%
Professional and Business Service	650.6	17.0%	16.4%	26.2	4.2%	100.4	18.2%
Education and Health Services	466.4	12.2%	12.2%	7.3	1.6%	57.8	14.1%
Leisure & Hospitality	391.0	10.2%	10.1%	1.5	0.4%	53.9	16.0%
Other	125.5	3.3%	3.5%	(0.4)	-0.3%	6.7	5.6%
Government	456.8	12.0%	12.5%	9.6	2.1%	37.8	9.0%

Recessions + Oil Prices





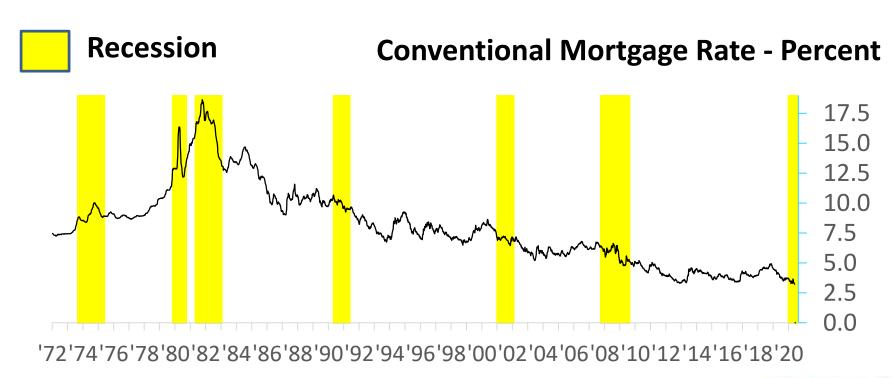
West Texas Intermediate Crude Oil Price

\$ Per Barrel \$140 \$120 \$16.71 Trailing Month Average \$100 \$80 \$60 \$40 \$20 **West Texas Intermediate Crude** \$0 '07 '08 '09 '19



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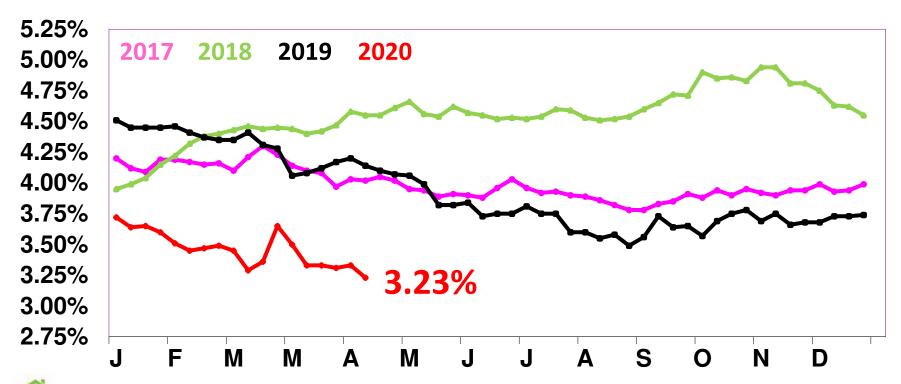
Residential Interest Rates + Recession





30-Year Conventional Residential Mortgage Rates

Percent



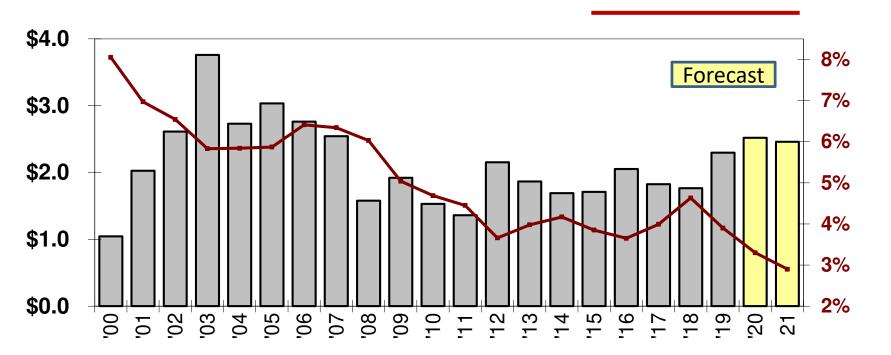


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Residential Lending Volumes & Interest Rates

Residential Lending - \$ Trillions

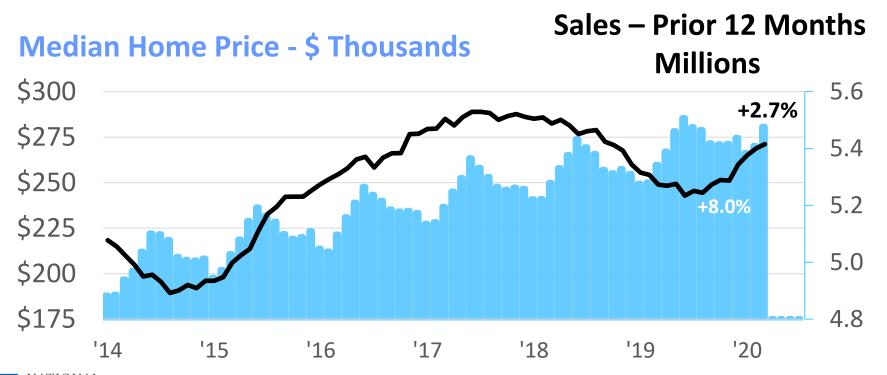
30-Year Conventional Mortgage Rates



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	Treasurys	L	ast Week	Commercial Cap Rates	Q1 2020
\sim	1 Year	0.17%	0.18%	Overall	6.41%
(U)	2 Year	0.20%	0.22%	Apartments	5.48%
	5 Year	0.36%	0.37%	Hotels	8.27%
	10 Year	0.64%	0.67%	Industrial	6.49%
	20 Year	1.04%	1.06%	Offices	5.23%
	30 Year	1.27%	1.25%	Retail	6.65%
	U.S. DEPARTMENT O	F THE TRE	EASURY	Senior Housing	6.97%
	Municipal 10-Year Bo	onds L	ast Week	REALSAPIT	YTICS
	AAA	1.30%	1.10%	Corporate Bonds	
	AA	1.45%	1.20%	Aaa Corporate	2.38%
	A firesbonds,	1.65% Inc.	1.40%	Baa Corporate Moody	3.87%

US Existing Home Sales & Median Prices







Existing Home Sales Forecast - April 2020

Sales Thousands	SAAR US	o nome o	aies	
Jaies Thousands	2019	2020	2021	Order
Fannie Mae	5,340	4,538	5,229	Counts
MBA	5,334	5,231	5,772	
Average	5,337	4,885	5,501	1 st 3 Weeks April
Percent Change - Ye	A -43%			
Fannie Mae		-15.0%	15.2%	B -47%
MBA	_	-1.9%	10.3%	D -47/0
Average	_	-8.5%	12.6%	
		_		

IIS Home Sales

Competitor

Existing Home Sales Forecast - April 2020

Sales -- Thousands Seasonally Adjusted Annualized Rate

US Home Sales

	2020			2021				
_	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Fannie Mae	5,647	3,755	4,020	4,728	4,875	5,258	5,375	5,407
MBA	5,416	4,853	5,095	5,559	5,686	5,741	5,790	5,869
Average	5,532	4,304	4,558	5,144	5,281	5,500	5,583	5,638

Percent Change - Year-Over-Year

Fannie Mae	8.7%	-29.1%	-25.7%	-12.8%	-13.7%	40.0%	33.7%	14.4%
MBA	4.0%	-8.2%	-6.1%	2.7%	5.0%	18.3%	13.6%	5.6%
Average	6.3%	-18.6%	-15.9%	-5.0%	-4.5%	27.8%	22.5%	9.6%

Existing Home Median Price Forecast - April 2020



US Home Sales

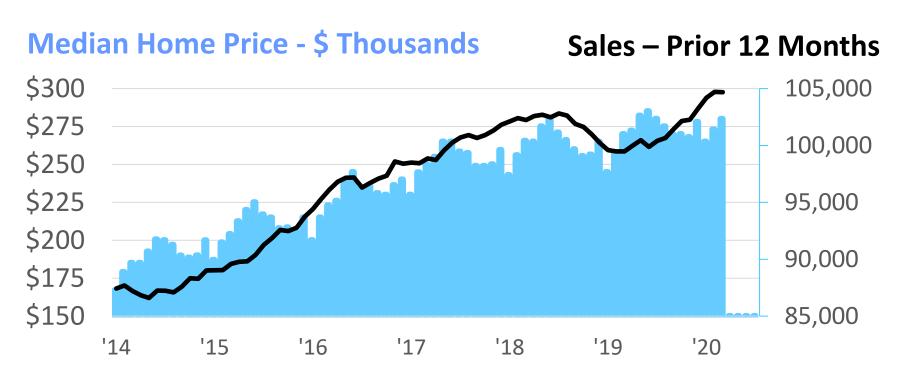
Median Price	e \$ Thousands	SAAR
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	2019		2020		2021	
Fannie Mae	\$	272.0	\$	275.0	\$	279.0
MBA	\$	269.7	\$	284.9	\$	288.0
Average	\$	270.9	\$	280.0	\$	283.5

Percent Change - Year-Over-Year

Fannie Mae	1.1%	1.5%
MBA	5.6%	1.1%
Average	3.4%	1.3%
Average	3.4%	1.3%

DFW Existing Home Sales & Median Prices





Comparative Sales & Price Performance

Home Sales
Latest 12 Months

	2014	2020
U.S.	5,020,000	5,415,000
DFW	87,206	104,682

Median Price
Latest 12 Months *\$ Thousands*2014

2020

\$ 199.4 \$ 274.6

185.0

Percent Change U.S.
DFW

Sales	Price
7.9%	37.7%
20.0%	51.4%



\$ 280.0

Jobs & Residential Dwelling Unit Permits

Dallas-Ft Worth-Arlington

	Net	Net Dwelling	
	New	Unit	Per New
Year	Jobs	Permits	Dwelling
2013	94,000	40,364	2.33
2014	130,100	43,994	2.96
2015	95,600	57,146	1.67
2016	112,400	55,800	2.01
2017	79,600	62,524	1.27
2018	92,600	63,893	1.45
2019	120,000	62,563	1.92
Total	724,300	386,284	1.88

1.25 to 1.50 New **Jobs** Per New **Dwelling Normal**

Average Rent	\$ 1,250	Dallas
Year-Over-Year Change	4%	
Average Apartment Size- Sq Ft	847	Apartment
Apartment Mix		Rents
\$501 - \$700	3%	Kents
\$701 - \$1,000	36%	
\$1,001 - \$1,500	40%	
\$1,501 - \$2,000	14%	RENTCafé®
> \$2,000	7%	

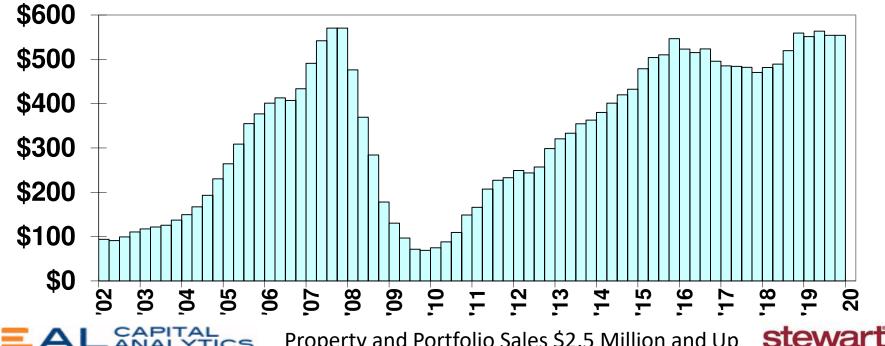
RENTCafé® Apartment Rents

Conventional - 20% Down			.5% Down		
\$	1,250	Average Rent	\$	1,2	
	3.23%	Rate		3.3	
	30 Years	Term		30 Y	
		Dallas-Arlington			
\$	293,500	Average Price	\$	293,5	
	(58,700)	Less 3.5% Down		(10,2	
\$	234,800	Loan Amount	\$	283,2	
	(1,019)	Monthly Payment		(1,2	
\$	231	Residual	\$		
	\$	\$ 1,250 3.23% 30 Years \$ 293,500 (58,700) \$ 234,800 (1,019)	\$ 1,250 Average Rent 3.23% Rate 30 Years Term Dallas-Arlington \$ 293,500 Average Price (58,700) Less 3.5% Down \$ 234,800 Loan Amount (1,019) Monthly Payment	\$ 1,250 Average Rent \$ 3.23% Rate 30 Years Term Dallas-Arlington \$ 293,500 Average Price \$ (58,700) Less 3.5% Down \$ 234,800 Loan Amount \$ (1,019) Monthly Payment	

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US Commercial Real Estate Sales Volume

\$ Billions – Trailing 12 Months

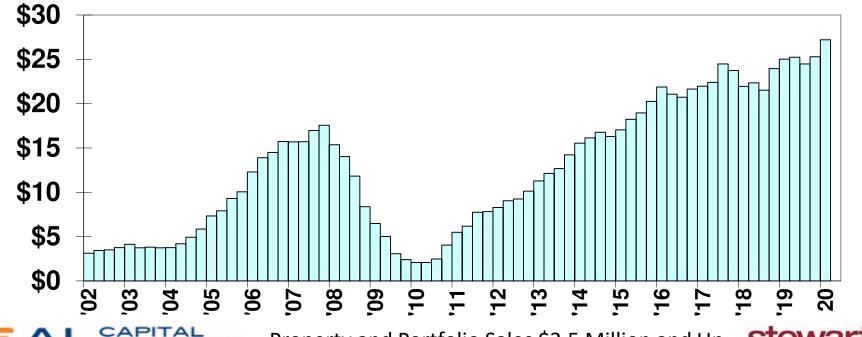




Property and Portfolio Sales \$2.5 Million and Up

Dallas Commercial Real Estate Sales

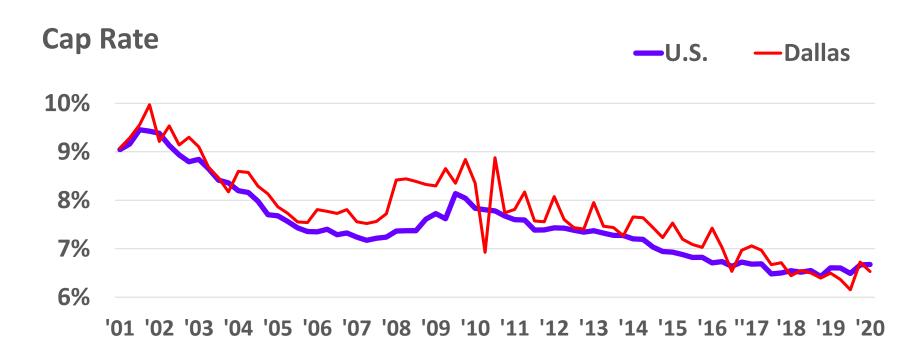
\$ Billions – *Trailing 12 Months*





	\$ Millions		
2007	\$ 3,260.9		Dallas
	\$ 4,790.8		Dallas
	\$ 4,539.1		Commercial
	\$ 2,759.8		
2008	\$ 1,926.0		Real Estate
	\$ 2,590.2		Coloc
	\$ 1,091.1		Sales
	\$ 866.9		
2009	\$ 467.3	-85.7%	
	\$ 635.5	-86.7%	
	\$ 429.7	-90.5%	Percent Change
	\$ 541.6	-80.4%	Same Quarter 2007
2010	\$ 457.3	-86.0%	-

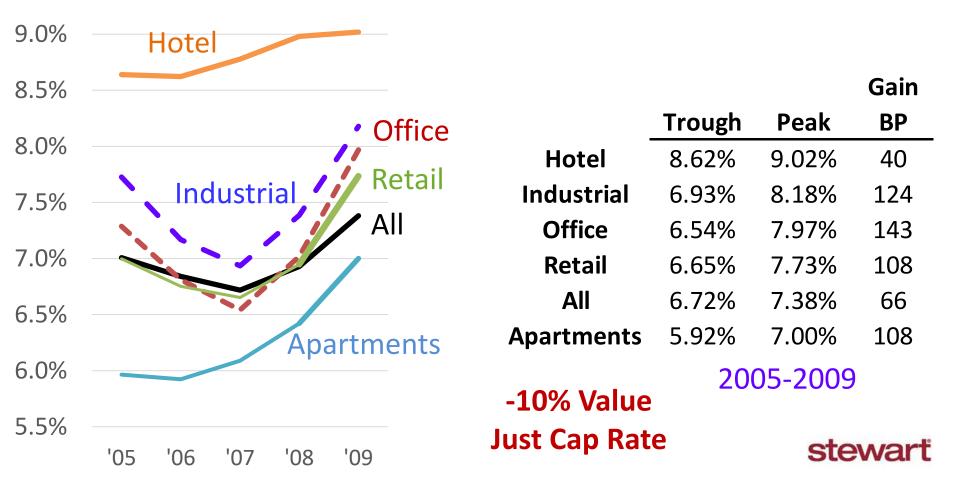
Commercial Real Estate Cap Rates





Commercial Cap Rates





Value Impacts – Commercial Real Estate

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

	'06	\$ 4.74	
	'07	\$ 6.63	ר ר
	'08	\$ 1.09	+
Florida	'09	\$ 0.55	J
Horida	'10	\$ 1.32	
Hotel	'11	\$ 1.49	-
Hotel	'12	\$ 1.89	
Sales	'13	\$ 4.23	
Sales	'14	\$ 5.16	
	'15	\$ 7.49	ل
	'16	\$ 3.59	
	'17	\$ 2.65	
	'18	\$ 5.07	
REAL CAPITAL ANALYTICS	'19	\$ 4.71	

Year

\$ Billion

91.7% Plunge

8 Years to Recover

stewart

	Year	Cap Rate		
	'06	9.17		
	'07	8.47	٦ .	
	'08	8.58		+126 Basis Points
Florida	'09	9.73		
Horiua	'10	7.93		8 Years to Recover
Hotel	'11	7.85	–	o rears to necover
посеі	'12	7.88		
Can	'13	7.63		2007-2009 Cap Rate
Cap	'14	8.13		•
Dotos	'15	8.45	,	Increase Alone Caused
Rates	'16	8.83		13% Value Decline
	'17	9.06		
	'18	8.81		
REAL CAPITAL ANALYTICS	'19	8.28		stewart

	Year	F	Per Unit		
Flanida	'06	\$	123,380		
Florida	'07	\$	111,274		
	'08	\$	141,009		-46.6% Value
Hotel	'09	\$	75,360		
	'10	\$	83,031		5 Years to Recover
Average	'11	\$	98,732		
	'12	\$	101,836		
Sales	'13	\$	139,964	J	2007-2009 Revenue
	'14	\$	168,649		
Price	'15	\$	156,290		Drop of 19.3%
	'16	\$	136,378		
Per Unit	'17	\$	114,346		
	'18	\$	157,532		
REAL CAPITAL ANALYTICS	'19	\$	200,441		stewart

	'06	\$ 4.97	
	'07	\$ 4.12	7 7
	'08	\$ 2.19	
Dallas	'09	\$ 0.83]
Dallas	'10	\$ 1.87	-
Apartment	'11	\$ 2.84	
<u>-</u>	'12	\$ 3.72	
Sales	'13	\$ 6.01	
	'14	\$ 6.63	
	'15	\$ 8.89	
	'16	\$ 9.63	
	'17	\$ 9.93	
	'18	\$ 9.54	
REAL CAPITAL ANALYTICS	'19	\$ 10.45	

Year

\$ Billions

79.9% Plunge

6 Years to Recover

ctowort

	Year	Cap Rates	
	'06	7.179%	
	'07	6.994%	
	'08	7.754%	+141 Basis Points
Dallas	'09	8.404%	
_	'10	6.574%	
Apartment	'11	6.412%	
Cap	'12	6.215%	2007-2009 Cap Rate
•	'13	6.565%	Increase Alone Caused
Rates	'14	6.332%	
	'15	6.188%	16.8% Value Decline
	'16	6.011%	
	'17	5.655%	
	'18	5.593%	
REAL CAPITAL ANALYTICS	'19	5.377%	stewart

_	Year	F	Per Unit	
D . II	'06	\$	53,793	
Dallas	'07	\$	46,847	
Anartmont	'08	\$	58,631	
Apartment	'09	\$	63,869	Shortage
Average	'10	\$	86,205	
	'11	\$	62,267	Of
Sales	'12	\$	81,387	
_	'13	\$	101,885	Housing
Price	'14	\$	129,710	\
Dan Hait	'15	\$	118,978	Visible
Per Unit	'16	\$	119,522	
	'17	\$	143,726	
	'18	\$	141,592	
REAL CAPITAL ANALYTICS	'19	\$	147,846	

U.S. Hotels – April 2020

 U.S. hotels were less than 1 percent delinquent in their mortgage payments in March 2020, approached 20
 Trepp

 CBRE survey - found that almost 60 percent of hotels had less than 2 months or less of reserves

 70+ percent of surveyed hotels were considering closing CBRE

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 Short-term Comeback
replacing China on many fronts — medical, parts, pharma





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



An Economic Outlook on What Changes, What Stays the Same and What's to Come

Ted C. Jones, PhD Chief Economist Stewart Title