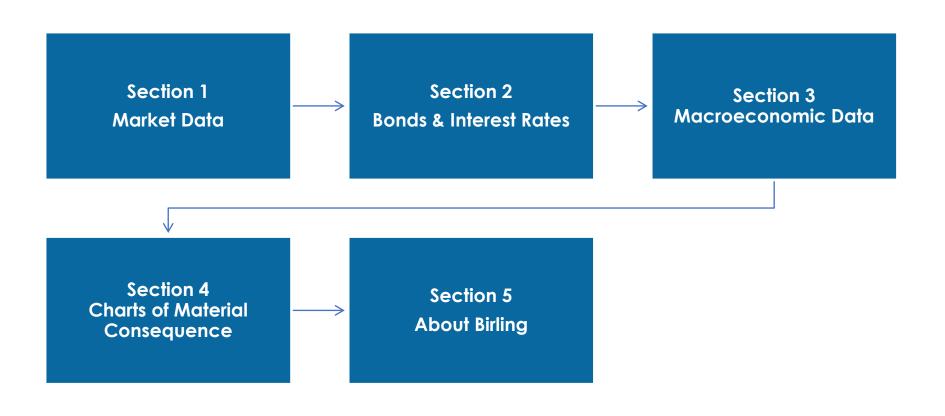
GLOBAL BARKET SOUARE BIRLING CAPITAL ADVISORS, LLC

A Closer Look at Q1 2022 Economic Update

Index









Market Data

Charts and Tables Highlighting the Performance of Stock Market Indicators and Asset Classes over the Latest Quarter

Key Stock Market Index Performance







	Q1 2022
US Markets	Return
Dow Jones Industrial Average Total Return	-4.10%
S&P 500 Total Return	-4.60%
Nasdaq Composite Total Return	-8.95%

	Q1 2022
Global Markets	Return
MSCI World Ex USA Total Return	-4.68%
MSCI EAFE Total Return	-5.79%
MSCI Emerging Markets Total Return	-6.92%



US Stock Sector Performance



Technology Select Sector SPDR® E Communication Services Sel Sect Si	SPDR®ETF Total Return				
 Energy Select Sector SPDR® ETF To Industrial Select Sector SPDR® ETF 					Q1 2022
				Sensitive Sectors	Return
			39.00%	Energy Select Sector SPDR® ETF	39.00%
~~~~~			20.00%	Industrial Select Sector SPDR® ETF	-2.35%
			-2.35%	Technology Select Sector SPDR® ETF	-8.42%
			-8.42%	Communication Services Sel Sect SPDR®ETF	
Jan '22	Feb '22	Mar '22		Communication Cervices Cer Cect of Dree	11.2070
<ul> <li>Utilities Select Sector SPDR® ETF T</li> <li>Health Care Select Sector SPDR® E</li> </ul>					
<ul> <li>Consumer Staples Select Sector SP</li> </ul>	PDR® ETF Total Return				
			5.00%		Q1 2022
			4.71%	Defensive Sectors	Return
			0.00%	Utilities Select Sector SPDR® ETF	4.71%
			-2.46%	Consumer Staples Select Sector SPDR® ETF	-1.14%
			-10.00%	Health Care Select Sector SPDR® ETF	-2.46%
Jan '22 • Financial Select Sector SPDR® ETF	Feb '22	Mar '22			
Real Estate Select Sector SPDR® To					
<ul> <li>Consumer Discret Sel Sect SPDR®</li> <li>Materials Select Sector SPDR® ETF</li> </ul>					
					Q1 2022
			8.00%	Cyclical Sectors	Return
			0.00% -1.49%	Financial Select Sector SPDR® ETF	-1.49%
			-2.35%	Materials Select Sector SPDR® ETF	-2.35%
	V V		-9.37%	Real Estate Select Sector SPDR®	-6.20%
Jan '22	Feb '22	Mar '22		Consumer Discret Sel Sect SPDR® ETF	-9.37%

#### Asset Class Performance – Trailing Periods

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YTD	1 month	3 month	6 month	1 year	3 year	5 year	10 year
Total Return	Total Return	Total Return	Total Return				
Commodities	Commodities	Commodities	Commodities	Commodities	US Growth	US Growth	US Growth
33.1%	9.6%	33.1%	35.1%	64.6%	23.6%	20.9%	17.0%
US Value	US Real Estate	US Value	US Real Estate	US Real Estate	S&P 500	S&P 500	S&P 500
-0.7%	6.9%	-0.7%	7.2%	20.3%	18.9%	16.0%	14.6%
S&P 500	US Growth	S&P 500	US Value	S&P 500	Commodities	US Value	US Value
-4.6%	3.9%	-4.6%	7.0%	15.6%	13.4%	10.3%	11.7%
World exUSA	S&P 500	World exUSA	S&P 500	US Growth	US Value	Commodities	US Small
-4.7%	3.7%	-4.7%	5.9%	15.0%	13.0%	10.0%	11.0%
US Treasuries	US Value	US Treasuries	US Growth	US Value	US Small	US Real Estate	US Real Estate
-5.6%	2.8%	-5.6%	1.5%	11.7%	11.7%	9.9%	9.4%
Aggregate Bonds -5.9%	World exUSA 1.3%	Aggregate Bonds -5.9%	World exUSA -1.6%	World exUSA 3.6%	US Real Estate 10.5%	US Small 9.7%	World exUSA 6.8%
Muni Bonds -6.2%	US Small 1.2%	Muni Bonds -6.2%	US Treasuries -5.4%	US Treasuries -3.7%	World exUSA 9.1%	World exUSA 7.7%	Emerging Markets 3.7%
US Real Estate -6.4%	Emerging Markets -2.2%	US Real Estate -6.4%	US Small -5.5%	Aggregate Bonds -4.2%	Emerging Markets 5.3%	Emerging Markets 6.4%	Muni Bonds 2.9%
Emerging Markets -6.9%	Aggregate Bonds -2.8%	Emerging Markets -6.9%	Muni Bonds -5.6%	Muni Bonds -4.5%	Aggregate Bonds 1.7%	Muni Bonds 2.5%	Aggregate Bonds 2.2%
US Small -7.5%	US Treasuries -3.1%	US Small -7.5%	Aggregate Bonds -5.9%	US Small -5.8%	Muni Bonds 1.5%	Aggregate Bonds 2.1%	US Treasuries 1.7%
US Growth -9.0%	Muni Bonds -3.2%	US Growth -9.0%	Emerging Markets -8.1%	Emerging Markets -11.1%	US Treasuries 1.4%	US Treasuries 1.8%	Commodities -3.3%

Asset	Index
US Real Estate	Dow Jones US Real Estate Index Total Return
US Growth Stocks	Russell 1000 Growth Total Return
Commodities	S&P GSCI Total Return
US Small Cap	Russell 2000 Total Return
S&P 500	S&P 500 Total Return
US Value Stocks	Russell 1000 Value Total Return
World ex USA	MSCI World Ex USA Total Return
Emerging Markets	MSCI Emerging Markets Total Return
Aggregate Bonds	Barclays US Aggregate Total Return
Muni Bonds	Barclays Municipal Bond Total Return
US Treasuries	Barclays US Treasury Total Return

#### Asset Class Performance – Quarter by BIRLING Quarter

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3/31/2022 Qtr Return	12/31/2021 Qtr Return	9/30/2021 Qtr Return	6/30/2021 Qtr Return	3/31/2021 Qtr Return	12/31/2020 Qtr Return	9/30/2020 Qtr Return	6/30/2020 Qtr Return	3/31/2020 Qtr Return	12/31/2019 Qtr Return	9/30/2019 Qtr Return	6/30/2019 Qtr Return	3/31/2019 Qtr Return	12/31/2018 Qtr Return	9/30/2018 Qtr Return
Commodities 33.1%	US Real Estate 14.6%	Commodities 5.2%	Commodities 15.7%	Commodities 13.6%	US Small 31.4%	US Growth 13.2%	US Growth 27.8%	US Treasuries 8.2%	Emerging Markets 11.9%	US Real Estate 7.9%	US Growth 4.6%	US Real Estate 17.0%	US Treasuries 2.6%	US Growth 9.2%
US Value -0.7%	US Growth 11.6%	US Growth 1.2%	US Growth 11.9%	US Small 12.7%	Emerging Markets 19.8%	Emerging Markets 9.7%	US Small 25.4%	Aggregate Bonds 3.1%	US Growth 10.6%	US Treasuries 2.4%	S&P 500 4.3%	US Growth 16.1%	Muni Bonds 1.7%	S&P 500 7.7%
S&P 500 -4.6%	S&P 500 11.0%	US Real Estate 0.7%	US Real Estate 11.4%	US Value 11.3%	US Value 16.3%	S&P 500 8.9%	S&P 500 20.5%	Muni Bonds -0.6%	US Small 9.9%	Aggregate Bonds 2.3%	World exUSA 4.1%	Commodities 15.0%	Aggregate Bonds 1.6%	US Value 5.7%
World exUSA -4.7%	US Value 7.8%	S&P 500 0.6%	S&P 500 8.5%	US Real Estate 7.9%	World exUSA 15.9%	US Value 5.6%	Emerging Markets 18.2%	US Growth -14.1%	S&P 500 9.1%	S&P 500 1.7%	US Value 3.8%	US Small 14.6%	US Real Estate -5.8%	US Small 3.6%
US Treasuries -5.6%	World exUSA 3.2%	US Treasuries 0.1%	World exUSA 5.9%	S&P 500 6.2%	Commodities 14.5%	World exUSA 5.0%	World exUSA 15.5%	S&P 500 -19.6%	Commodities 8.3%	Muni Bonds 1.6%	Aggregate Bonds 3.1%	S&P 500 13.6%	Emerging Markets -7.4%	World exUSA 1.4%
Aggregate Bonds -5.9%	US Small 2.1%	Aggregate Bonds 0.1%	US Value 5.2%	World exUSA 4.2%	S&P 500 12.1%	US Small 4.9%	US Value 14.3%	World exUSA -23.1%	World exUSA 7.9%	US Growth 1.5%	US Treasuries 3.0%	US Value 11.9%	US Value -11.7%	Commodities 1.3%
Muni Bonds -6.2%	Commodities 1.5%	Muni Bonds -0.3%	Emerging Markets 5.1%	Emerging Markets 2.3%	US Growth 11.4%	Commodities 4.6%	US Real Estate 14.0%	Emerging Markets -23.6%	US Value 7.4%	US Value 1.4%	Muni Bonds 2.1%	World exUSA 10.6%	World exUSA -12.7%	US Real Estate 0.3%
US Real Estate -6.4%	Muni Bonds 0.7%	World exUSA -0.6%	US Small 4.3%	US Growth 0.9%	US Real Estate 8.1%	US Real Estate 1.9%	Commodities 10.5%	US Real Estate -24.6%	Muni Bonds 0.7%	World exUSA -0.8%	US Small 2.1%	Emerging Markets 10.0%	S&P 500 -13.5%	Aggregate Bonds 0.0%
Emerging Markets -6.9%	US Treasuries 0.2%	US Value -0.8%	Aggregate Bonds 1.8%	Muni Bonds -0.4%	Muni Bonds 1.8%	Muni Bonds 1.2%	Aggregate Bonds 2.9%	US Value -26.7%	US Real Estate 0.5%	US Small -2.4%	US Real Estate 1.1%	Aggregate Bonds 2.9%	US Growth -15.9%	Muni Bonds -0.2%
US Small -7.5%	Aggregate Bonds 0.0%	US Small -4.4%	US Treasuries 1.7%	Aggregate Bonds -3.4%	Aggregate Bonds 0.7%	Aggregate Bonds 0.6%	Muni Bonds 2.7%	US Small -30.6%	Aggregate Bonds 0.2%	Emerging Markets -4.1%	Emerging Markets 0.7%	Muni Bonds 2.9%	US Small -20.2%	US Treasuries -0.6%
US Growth -9.0%	Emerging Markets -1.2%	Emerging Markets -8.0%	Muni Bonds 1.4%	US Treasuries -4.3%	US Treasuries -0.8%	US Treasuries 0.2%	US Treasuries 0.5%	Commodities -42.3%	US Treasuries -0.8%	Commodities -4.2%	Commodities -1.4%	US Treasuries 2.1%	Commodities -22.9%	Emerging Markets -0.9%

### **Performance of Diversified Portfolios**



- Sample Risk Model Aggressive (80/20) Total Return
- Sample Risk Model Balanced (50/50) Total Return
- Sample Risk Model -Conservative (20/80) Total Return
- S&P 500 Total Return



Symbol	Name	Target Weight
VTSMX	Vanguard Total Stock Mkt Idx Inv	50.00%
VGTSX	Vanguard Total Intl Stock Index Inv	20.00%
VBMFX	Vanguard Total Bond Market Index Inv	15.00%
VEIEX	Vanguard Emerging Mkts Stock Idx Inv	10.00%
VBISX	Vanguard Short-Term Bond Index Inv	5.00%

Symbol	Name	Target Weight
VBMFX	Vanguard Total Bond Market Index Inv	49.00%
VBISX	Vanguard Short-Term Bond Index Inv	30.00%
VGTSX	Vanguard Total Intl Stock Index Inv	15.00%
VTSMX	Vanguard Total Stock Mkt Idx Inv	5.00%
VEIEX	Vanguard Emerging Mkts Stock Idx Inv	1.00%

Symbol	Name	Target Weight
VBMFX	Vanguard Total Bond Market Index Inv	35.00%
VTSMX	Vanguard Total Stock Mkt Idx Inv	30.00%
VGTSX	Vanguard Total Intl Stock Index Inv	15.00%
VBISX	Vanguard Short-Term Bond Index Inv	15.00%
VEIEX	Vanguard Emerging Mkts Stock Idx Inv	5.00%





# **Bonds and Interest Rates**

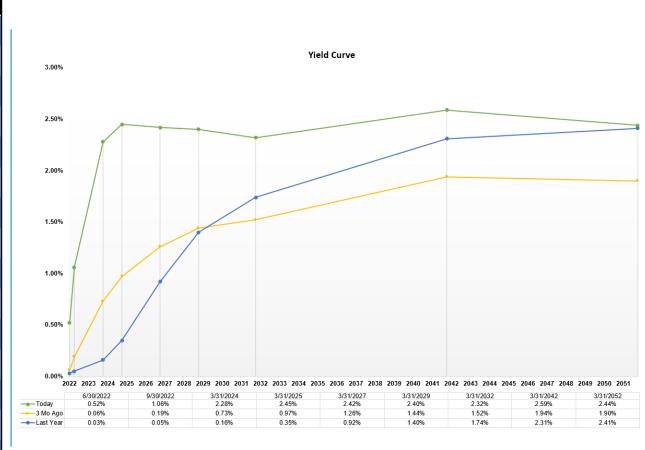
Collection of Data Summarizing Moves in the Fixed Income Markets over the Last Quarter

### **Interest Rate Summary**

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Name	3/31/22	12/31/21	9/30/21	6/30/21
US High Yield CCC Effective Yield	9.67% 🔺	7.96% 🔺	7.48% 🔺	6.64%
US High Yield B Effective Yield	6.11% 🛆	4.75% 🛆	4.65% 🛆	4.42%
US High Yield BB Effective Yield	4.74% 🔺	3.40% 🔺	3.30% 🔺	3.20%
US Corporate BBB Effective Yield	3.89% 🛆	2.60% 🛆	2.38% 🛆	2.28%
30 Year Treasury Rate	2.44% 🔺	1.93% 🔻	2.08% 🔺	2.06%
US Corporate AAA Effective Yield	3.01% 🛆	2.03% 🛆	1.94% 🛆	1.88%
US Corporate AAA Effective Yield	3.01% 🔺	2.03% 🔺	1.94% 🔺	1.88%
US Corporate A Effective Yield	3.34% 🛆	2.11% 🛆	1.91% 🛆	1.82%
10 Year Treasury Rate	2.32% 🔺	1.52% 💻	1.52% 🔺	1.45%
5 Year Treasury Rate	2.42% 🛆	1.27% 🛆	0.98% 🛆	0.87%
2 Year Treasury Rate	2.28% 🔺	0.73% 🔺	0.28% 🔺	0.25%
1 Year Treasury Rate	1.63% 🛆	0.38% 🛆	0.09% 🛆	0.07%
6 Month Treasury Rate	1.06% 🔺	0.19% 🔺	0.05% 🔻	0.06%
3 Month Treasury Rate	0.52% 🛆	0.05% 🛆	0.04% 🔻	0.05%
Effective Federal Funds Rate	0.33% 🔺	0.07% 🔺	0.06% 🔻	0.08%







# Macroeconomic Data

Leading and Lagging Economic Data and Trends from Key Economic Reports Published Recently

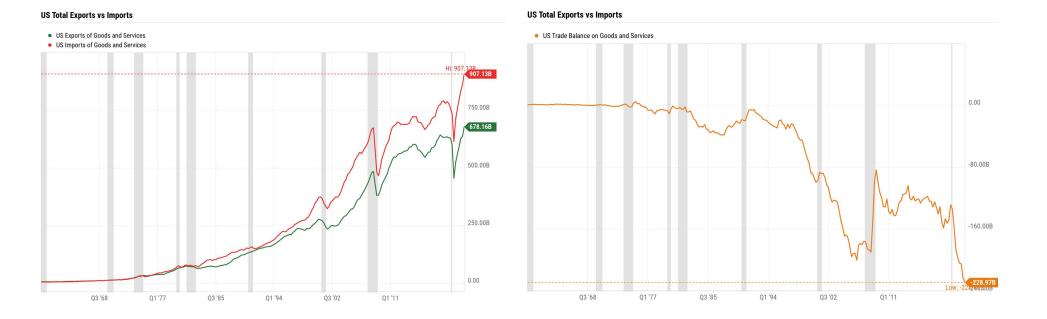
### Leading Indicator Data and Trends



Indicator	Q1 20	22	Q4 2021	L (	Q3 2021	Q	2 2021	Q	1 2021		2020		2019		2018		2017		2016		2015		2014		2013		2012		2011	2	2010		2009	2	2008
10-2 Year Treasury Yield Spread	• 0.0	4% 🛡	0.799	%	1.24%	-	1.20%		1.58%		0.80%		0.34%	•	0.21%	•	0.51%		1.25%	•	1.21%	•	1.50%		2.66%	-	1.53%	•	1.64%	•	2.69%		2.71%		1.49%
NY Fed Business Leaders Survey Current Business Activity	▲ 18	.3 =	⊐ 14.4	•	14.4		43.2		-4.8	•	-26.9	•	3.0	•	5.6		16.7	•	-0.6	•	2.0	•	7.8		7.89	-	-6.41	•	-2.5		12.24		11.9	-	-44.0
Philly Fed Manufacturing Activity Index	▲ 27	.4 🛡	15.4	-	30.7	-	30.7		44.5		11.1	•	2.4	•	10.9		29.3		22.6	•	-9		21.6		3.8		2.4	•	2.4	•	15.4		16.5	•	-37.6
S&P 500 Return	-4.6	0% 🛆	11.03	% 🔻	0.58%		8.55%	-	6.18%	•	18.40%		31.49%	•	-4.38%		21.83%		11.96%	•	1.38%	•	13.69%		32.39%		16.00%	•	2.11%	•	15.06%		26.46%	•	-37.00%
US Index of Consumer Sentiment	▼ 59	.4	70.6	-	72.8		85.5		84.9	•	80.7		99.3		98.3	•	95.9		98.2	•	92.6		93.6		82.5		72.9	•	69.9		74.5		72.5	•	60.1
US Change in Business Inventories (YoY)	▲ 12.2	26% 🛆	10.81	% 🛆	7.53%		6.67%		0.06%	•	-2.64%	•	3.03%		4.77%		3.31%		2.00%	•	1.42%	•	3.68%	•	3.93%	-	5.67%	•	7.84%		8.90%	-	-9.21%	•	-1.46%
US Housing Starts (Latest TTM)	▲ 19,	719 🛆	19,25	6 🔺	. 18,973		18,609		17,101		16,759		15,506		14,968		14,460		14,125		13,281		12,003		11,138		9,405		7,343		7,026	-	6,648	•	10,800
US Building Permits (Latest TTM)	<u>م</u> 20,	835 🛆	20,56	6	20,360		20,076		18,702		17,748		16,623		15,945		15,414		14,465		14,130		12,625		11,856		9,942		7,488		7,244	-	6,984	-	10,750
US Change in Retail Sales (YoY)	▼ 5.4	7% 🛆	13.82	% 🔻	12.33%	-	16.54%		28.90%		6.00%		5.35%	•	0.35%		5.01%		3.92%	•	2.18%	•	3.06%	•	3.44%	-	4.22%	•	6.10%		6.88%		4.89%	-	-12.54%

### **US Trade Balance**





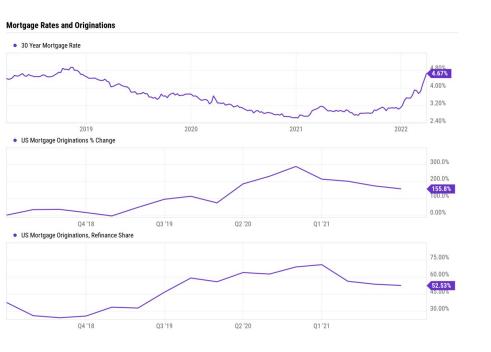
							Ex	ports							
	Total	QoQ	YoY	Canada	QoQ	YoY	Mexico	QoQ	ΥοΥ	EU	QoQ	ΥοΥ	China	QoQ	YoY
Total:	\$678.2 B	7.1%	27.3%	\$99.4 B	10.8%	23.6%	\$79.5 B	2.4%	31.0%	\$126.3 B	10.4%	28.2%	\$48.0 B	8.0%	1.3%
Goods:	\$473.5 B	7%	23%	\$84.7 B	11%	20%	\$71.5 B	2%	22%	\$74.9 B	7%	25%	\$39.9 B	12%	5%
Services:	\$204.7 B	6%	17%	\$14.6 B	2%	12%	\$8.0 B	2%	39%	\$51.4 B	13%	18%	\$8.1 B	-16%	-18%
							lm	ports							
Total:	\$907.1 B	5.9%	25.2%	\$107.8 B	2.2%	18.5%	\$113.0 B	10.9%	16.7%	\$165.7 B	4.8%	21.8%	\$136.0 B	9.8%	11.3%
Goods:	\$756.9 B	6%	19%	\$99.3 B	1%	14%	\$104.7 B	10%	11%	\$127.1 B	1%	14%	\$130.0 B	9%	9%
Services:	\$150.2 B	4%	27%	\$8.5 B	17%	29%	\$8.3 B	6%	54%	\$38.6 B	17%	29%	\$5.9 B	8%	38%

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### **US Housing Market Data**

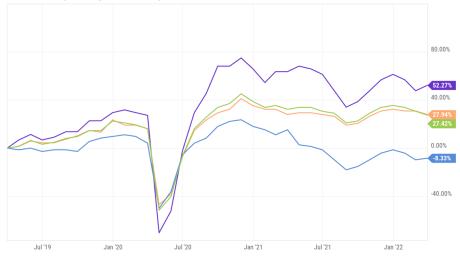
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#### **NAHB Housing Sentiment & Components**

- NAHB/Wells Fargo Traffic of Prospective Buyers % Change
- NAHB/Wells Fargo Single-Family Homes Present Sales Conditions % Change
- NAHB/Wells Fargo Single-Family Homes Sales Conditions in the Next Six Months % Change
- NAHB/Wells Fargo US Housing Market Index % Change



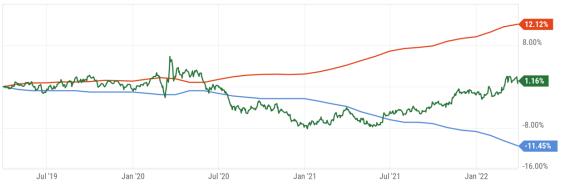
Date Range: 03/31/2019 - 03/31/2022 Source: NAHB

Housing Indicator Review										
		Last Release			1 Mo. Ago		3 Mo. Ago		1 Yr. Ago	
Overall	Indicator Name	Date	Frequency	Value	1 Mo. Ago	% Change	3 Mo. Ago	% Change	1 Yr. Ago	% Change
	Case-Shiller Home Price Index: National	3/31/2022	monthly	284.3	280	<b>a</b> 1.56%	273	<b>4</b> .05%	239	<b>4</b> 19.16%
<b>A</b>	US Housing Starts	4/19/2022	monthly	1,793	1,788	<b>a</b> 0.28%	1,754	<b>a</b> 2.22%	1,725	<b>a</b> 3.94%
	US Building Permits	4/19/2022	monthly	1,873	1,865	<b>a</b> 0.43%	1,885	<b>-</b> 0.64%	1,755	<b>6.72%</b>
-	US New Single Family Houses Sold	3/23/2022	monthly	772	788	-2.03%	753	<b>a</b> 2.52%	823	-6.20%
-	US Pending Home Sales Index	3/25/2022	monthly	105	109	<b>-</b> 4.11%	119	<b>-</b> 11.70%	111	-5.41%
	30 Year Mortgage Rate	4/14/2022	weekly	4.67%	3.89%	<b>a</b> 20.05%	3.11%	<b>5</b> 0.16%	3.17%	<b>4</b> 7.32%
	US Households	2/3/2022	monthly	127,549	127,357	<b>a</b> 0.15%	127,445	<b>0.08%</b>	125,913	<b>a</b> 1.30%

### US Dollar Strength



- US Consumer Price Index: Purchasing Power Of the Consumer Dollar % Change
- US Consumer Price Index % Change
- ICE US Dollar Index Level % Change





1 Year w/ Avg.





# Charts of the Moment

Visuals Depicting Trends that are Impacting the Markets and Investments



### **Russian Markets**





Russian Ruble to US Dollar Exchange Rate

Date Range: 03/31/2021 - 03/01/2022



Date Range: 09/30/2021 - 03/31/2022





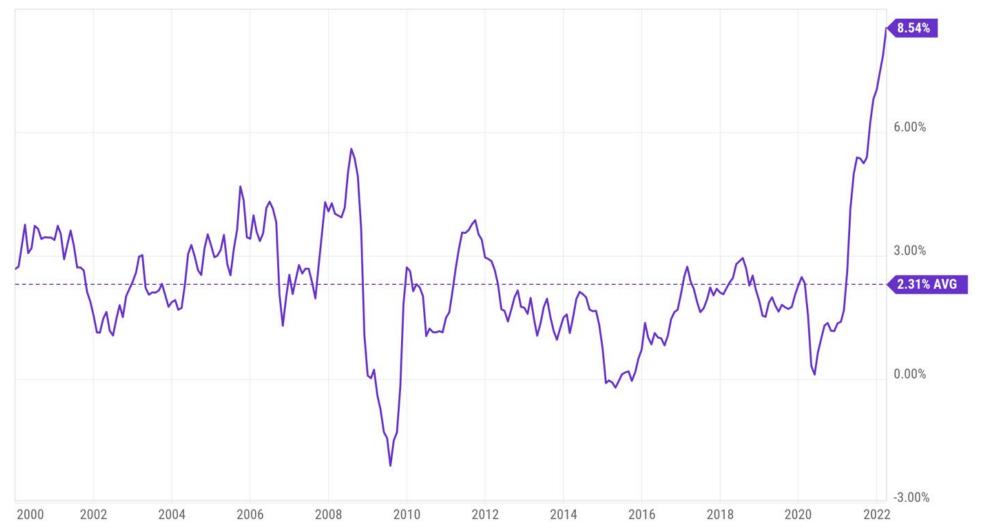
#### **US Retail Gas Price**







#### **US Inflation Rate**

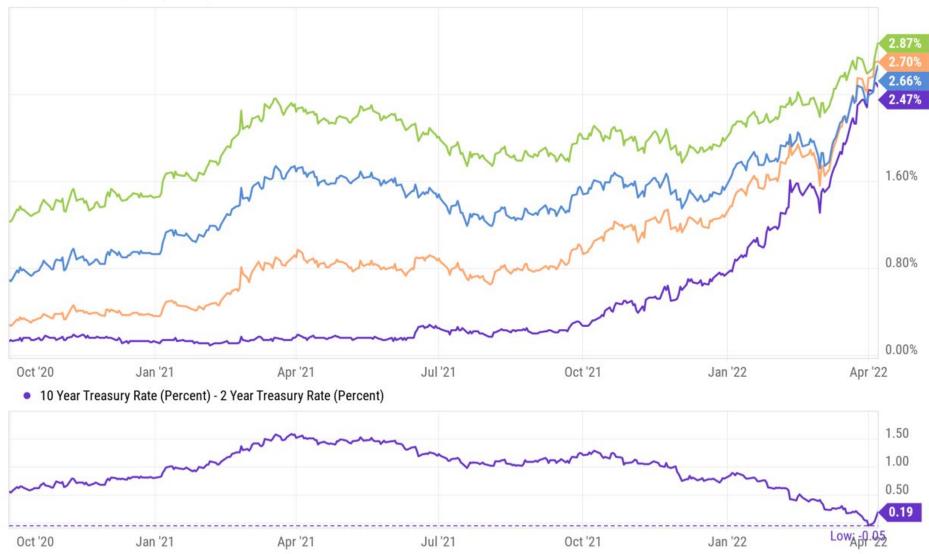


Date Range: 12/31/1999 - 03/31/2022

### **Interest Rate Hike**



- 2 Year Treasury Rate (Percent)
- 5 Year Treasury Rate (Percent)
- 10 Year Treasury Rate (Percent)
- 20 Year Treasury Rate (Percent)



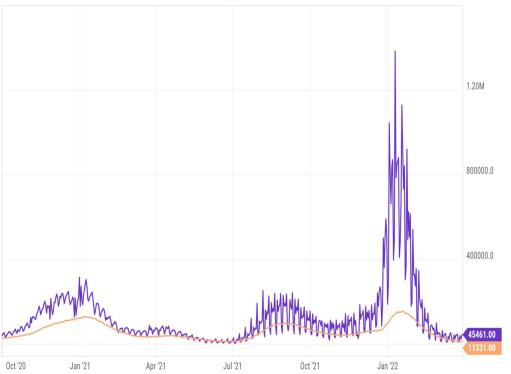
### **Mixed Coronavirus Data**



US Coronavirus Cases Per Day

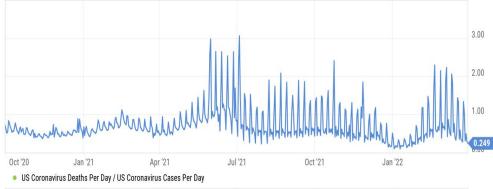
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US Coronavirus Cases Currently Hospitalized



Date Range: 09/30/2020 - 03/31/2022

• US Coronavirus Cases Currently Hospitalized / US Coronavirus Cases Per Day



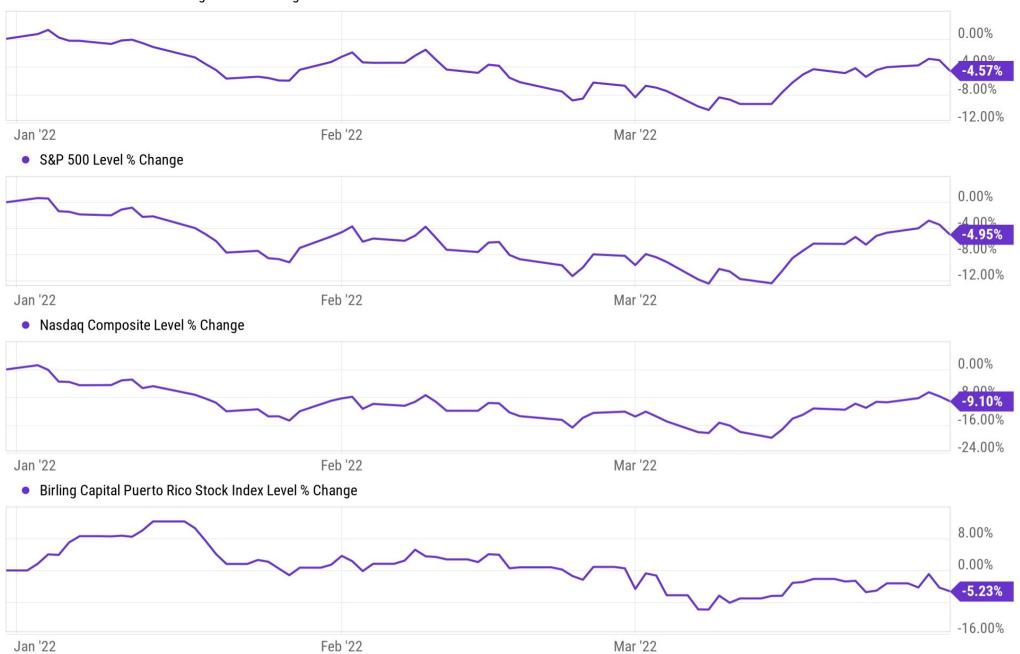


Date Range: 09/30/2020 - 03/31/2022

### The Four Key indices turned negative YTD for 2022



• Dow Jones Industrial Average Level % Change



#### The Birling Puerto Rico Stock Index turned negative as well as most individual stocks.



- Popular Inc Price % Change
- First BanCorp Price % Change
- Evertec Inc Price % Change
- OFG Bancorp Price % Change
- Birling Capital Puerto Rico Stock Index Level % Change
- Dow Jones Industrial Average Level % Change
- S&P 500 Level % Change
- Nasdaq Composite Level % Change





### **About Birling**



### FIRM OVERVIEW

Birling Capital is a leading corporate advisory & consulting firm that offers broad corporate finance & advisory services to institutional, government, corporate, middle-market companies, family corporations and their owners, in identifying and resolving organizational finance-related issues. We use a holistic approach both assets and liabilities sides with integrated business, personal, family needs and objectives.

Over the past two decades, our firm's principals have advised on more than 150 transactions in the corporate, healthcare, retail, education, insurance, banking and government markets.

Our value proposition has been implemented with three critical ingredients for success:



- Unwavering Commitment to Client Service
- Unparalleled Degree of Professionalism and Senior-Level Attention
- Extraordinary Level of Industry Expertise



### **Our Integrated Approach**

- Crisis management stabilization
- Working capital improvement

- Revenue and profit improvement
- SG&A and cost reduction strategies
- Asset base analysis and optimization
- Corporate simplification
- Finance function transformation
- Interim management including CEO, CFO and COO



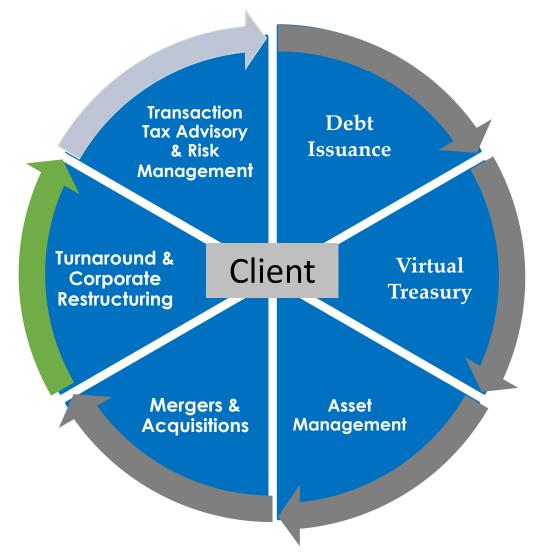
- Project management and delivery
- Lead advisor to creditor groups, management teams and other stakeholders

- Business review and business planning
- Cashflow management, liquidity review, stabilization and optimization
- Stakeholder negotiation involving covenant resets, refinancing and debt restructuring

Birling combines both operational and financial expertise to provide a full service offering. This means we design the solutions and then work with our clients to implement them.



### Corporate Financial Planning (CFP)



#### Birling Capital's holistic service approach

# GLOBAL MARKET SOUARE BIRLING CAPITAL ADVISORS, LLC

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