IN SEARCH OF A STEADY STATE: INFLATION, INTEREST RATES AND VALUE

The (inflation) genie escapes the bottle!

A Market in search of a Steady State...

- The nature of markets is that they are never quite settled, as investors recalibrate expectations constantly and reset prices.
 - In most time periods, those recalibrations and resets tend to be small and in both directions, resulting in the ups and downs that pass for normal volatility.
 - □ WE are not in one of those time periods, as markets approach bipolar territory, with big moves up and down.
- The good news is that the culprit behind the volatility, inflation, is easy to identify, but the bad news is that inflation remains the most unpredictable of all macroeconomic factors to factor into stock prices and value.
- In this session, I will look at where we stand on inflation expectations, and the different paths we can be end up on, ranging from potentially catastrophic to mostly benign.

Inflation: Measurement and History

What is inflation?

- Put simply, inflation is a measure of the change in purchasing power in a given currency over time. Implicit in this definition are two key components of inflation.
 - The first is that to <u>define purchasing power</u>, you have to start with a definition of what you are purchasing, and this detail, as we will see, can lead to differences in inflation measured over a given period, across measures/services.
 - The second is that <u>inflation</u> is tied to currencies, and different currencies can be exposed to different levels of inflation over the same period. Understanding these differences is key to understanding why interest rates can vary across currencies and the changes in exchange rates over time.

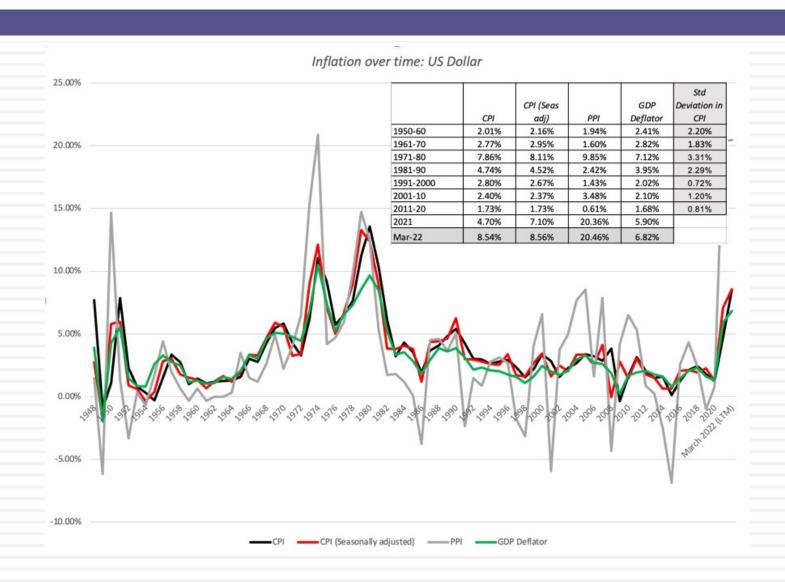
What causes inflation?

- Inflation, at its core, is a monetary phenomenon, created by too much money chasing too few goods. That said, it is true that in the near term (which can extend to years), inflation is affected by other forces as well.
 - Economic slack: When an economy has employment and production slack, as is the case after recessions or economic crises, you could see inflation stay subdued, even in the presence of fiscal and monetary stimuli, as it grows to fill in capacity.
 - Structural Changes: There are times when structural changes in the economy, arising as you transition from a manufacturing to a service economy, or from one that is domestically focused to one that is export-oriented, can create periods where inflation stays subdued in the face of monetary expansion.
 - Consumer/investor behavior: Consumers are the final wild card in this process, as changes in demographics and behavior can have consequences for inflation.
 - Size of the economy: It is not fair, but larger economies with currencies that are used more globally, also have the capacity to absorb shocks that would put a lesser economy into an inflationary spiral.

Actual Inflation: Measures

- Consumption basket is misspecified: While the services try their best to get the basket of goods and services right, there are two fundamental problems. The first is that within a country, the basket varies widely across consumers and identifying the representative consumer is inherently subjective. The second is that the basket is not stable over time, as consumers adjust to changing tastes and prices to alter what and how much they consume of different goods and services.
- Prices of goods and services are wrong/biased: Even if you had consensus on the consumption basket, the prices for goods and services have to be estimated. While services use sampling techniques to obtain prices of goods and service from sellers, and double check them against consumer expenditures, there is no practical way that you can survey every store and consumer.
- Prices of goods and services have seasonal patterns and/or volatility: There are some goods and service, where there can be seasonal patterns in prices, and services sometimes try to control for the seasonality, when measuring changes in pricing power. With items, where prices can be volatile over short period, like gasoline, services will measure inflation with and without these items to highlight the effect of volatility.

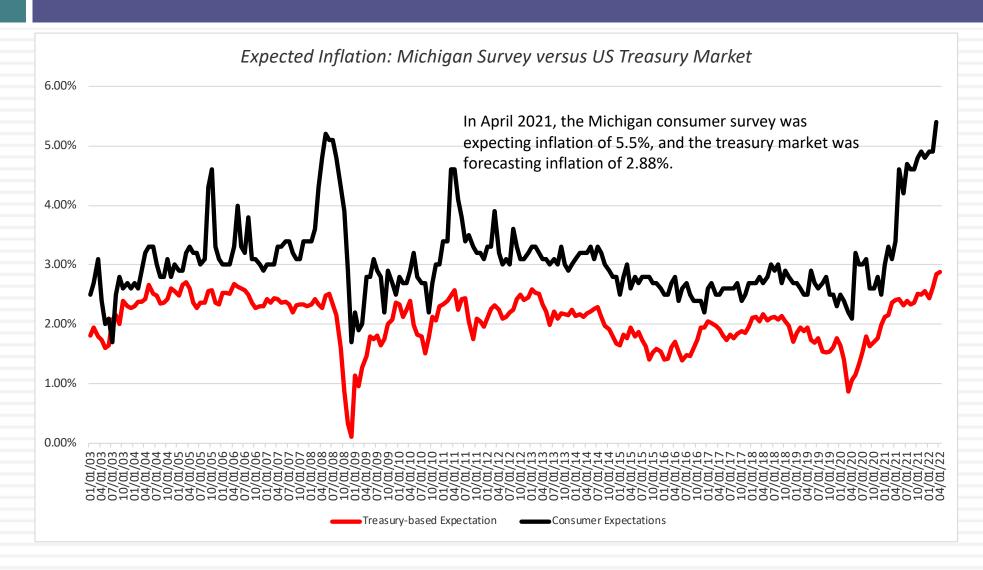
Inflation: History and Perspective



Expected Inflation

- <u>Inflation surveys</u>: There are services that report measures of expected inflation, obtained by surveying economic experts or consumers.
- Interest rates: To understand the link between expected inflation and interest rates, consider the Fisher equation, where a nominal riskfree interest rate (which is what treasury bond rates) can be broken down into expected inflation and expected real interest rate components. Put simply, if you expect the annual inflation rate to be 2% in the future, you would need to set the interest rate on a bond above 2% to earn a real return.
- Exchange rates: The third approach to estimating inflation rates is to use forward exchange rate, in conjunction with spot rates, to back out expected inflation in a currency. To use this approach, you need to have a base currency, where you can estimate expected inflation, say the US dollar and forward exchange rates in the currency in which you want to estimate inflation.

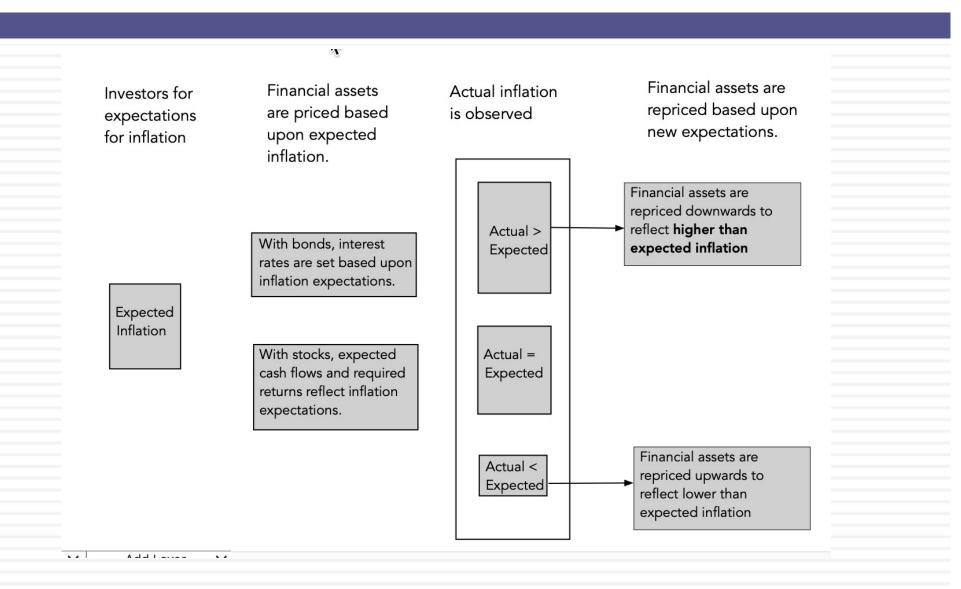
Measures of Expected Inflation



Explaining the divergence...

- Short term versus Long term: The consumer survey extracts an expectation of inflation in the near term, whereas the treasury markets are providing a longer term perspective, since I am using ten-year rates to derive the market-implied inflation.
- Consumers are over adjusting: The big inflation surges have happened in gasoline, food and housing, all items that consumers come into contact with on a continuous basis, and it is possible that they are over reaction and adjusting expected inflation up too much, as a consequence.
- Markets are under adjusting: Alternatively, it is possible that it is consumers who are being realistic and it is that the market which is under adjusting to higher inflation, partly because many investors have operated only in a low and steady inflation environment and partly because many of these investors have a belief that the Fed has super powers and "determines" what interest rates and inflation will be in the future.

And Unexpected Inflation..

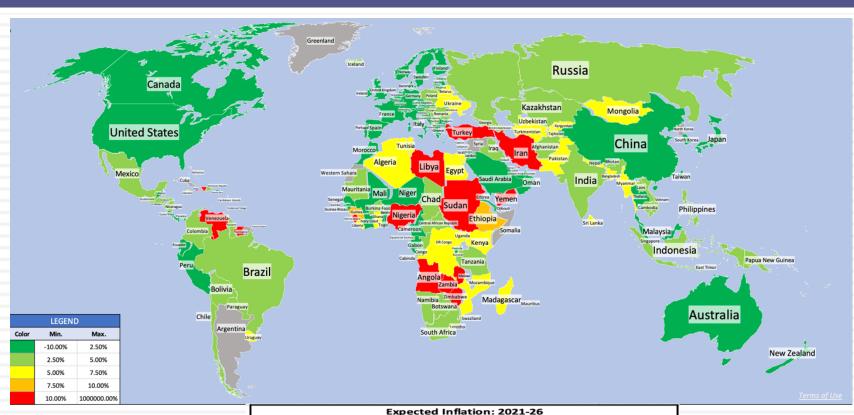


The Inflation Decade: 1971-1980 & Inflation in 2021

- Investors who are old enough to remember the 1970s point to it as a decade of high inflation, but that is only with the benefit of hindsight.
 - At the start of that decade, investors had no reason to believe that they were heading into a decade of higher inflation, and initial signs of price increases were attributed to temporary factors (with OPEC being a convenient target).
 - In fact, expected inflation lagged actual inflation through much of the decade, and the damage done to financial asset returns that decade came as much from actual inflation being higher than expected inflation, period after period, as from higher inflation.
- It is precisely because we have been spoiled by a decade of low and stable inflation that the inflation numbers in 2021 and 2022 have comes as such a surprise to economists, investors and even the Fed.
 - Early on, the inflation surge was explained away by the reopening of the economy, after the COVID shutdown, and then by stressed supply chains, and expected inflation remained low.
 - However, as inflation has remained stubbornly high, and neither COVID nor supply chains provide a sufficient rationale, market expectations of inflation have started to creep up.

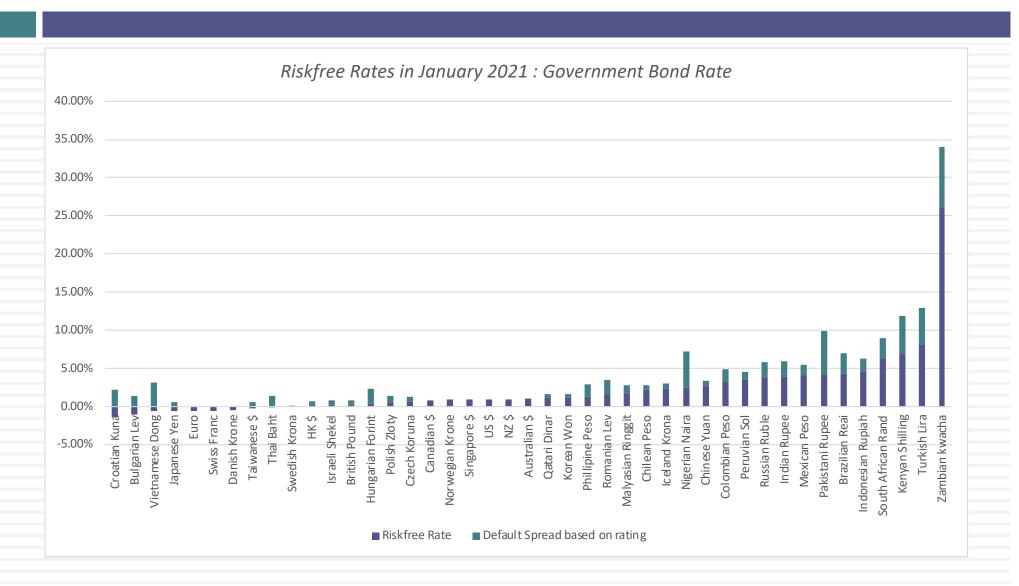
Inflation and Currencies

Currency and Inflation: Variations

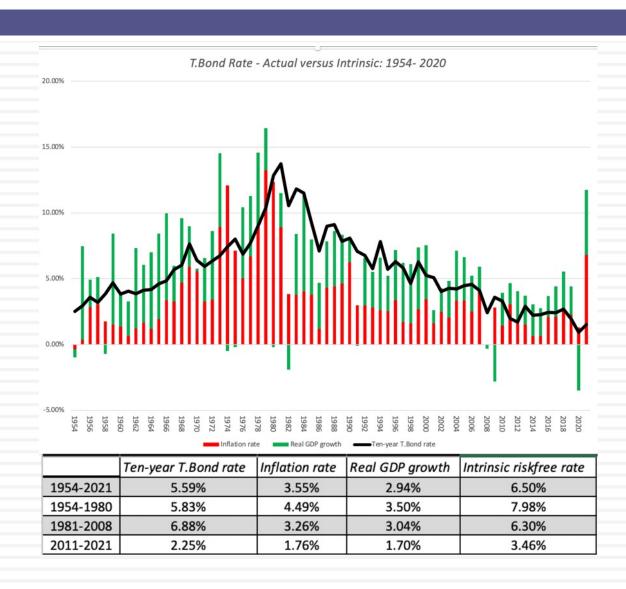


Expected Inflation: 2021-26								
Highest Expected I	nflation	Lowest Expected Inflation						
Expected			Expected					
Country	Inflation	Country	Inflation					
Venezuela	5500.00%	Switzerland	0.68%					
Sudan	38.86%	Israel	0.72%					
Iran	27.65%	Japan	0.73%					
Suriname	22.58%	Brunei Darussalam	0.80%					
Zimbabwe	22.16%	Saint Kitts and Nevis	0.88%					
South Sudan, Republic of	21.24%	San Marino	1.00%					
Haiti	15.92%	Singapore	1.07%					
Yemen	14.74%	West Bank and Gaza	1.08%					
Nigeria	12.45%	Italy	1.08%					
Turkey	11.56%	El Salvador	1.12%					

Leading to interest rate differences...



And it's not the Fed or Central Banks...

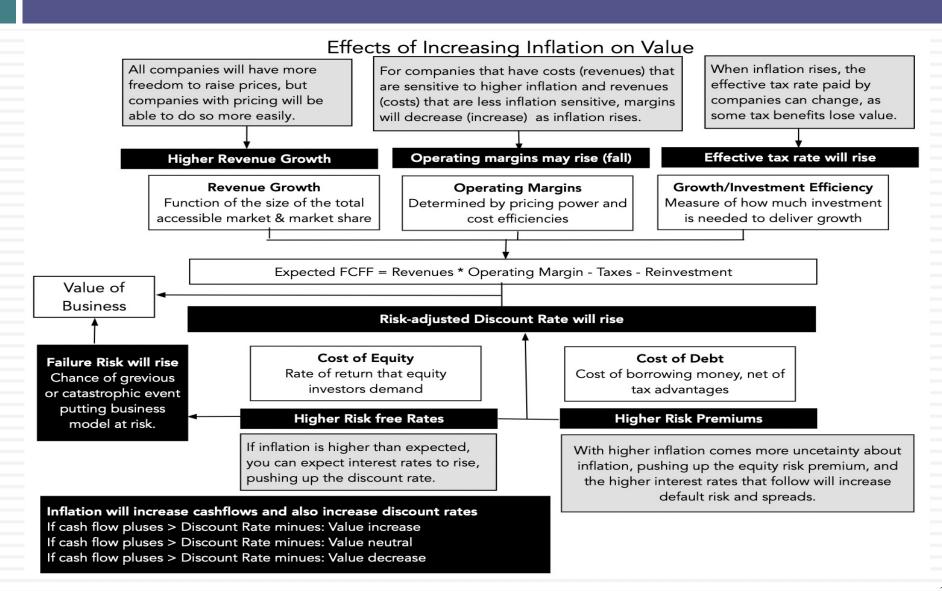


Inflation and Asset Class Returns

Inflation and Bonds

- Expected inflation and unexpected inflation play out in very different ways on bond value:
 - At the time that the contract is specified, the buyer of a bond takes into account the expected inflation, at that time, when deciding the coupon rate for the bond.
 - Subsequent to the contract being settled and the bond being issued, both the bond buyer and seller are exposed to actual inflation, which can be higher or lower than the inflation that was expected at the time the bond was issued. The return that the bond buyer will earn on the bond has two components, a coupon portion that will increase with expected inflation and a price appreciation portion that will move inversely with unexpected inflation.
- Inflation value proposition 1: In periods when inflation is lower than expected, treasury bond returns will be boosted by price appreciation and in periods when inflation is higher than expected, treasury bond returns will be dragged down by price depreciation.
- Inflation value proposition 2: In periods when inflation is higher (lower) than expected, corporate default risk can increase (decrease), leading to corporate bond returns lagging (leading) treasury bond returns.

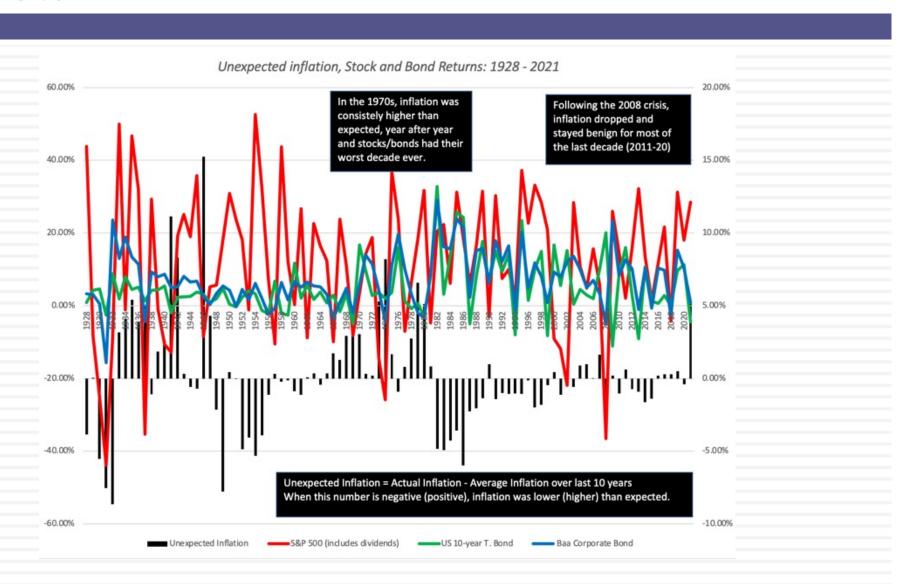
Inflation and Stocks



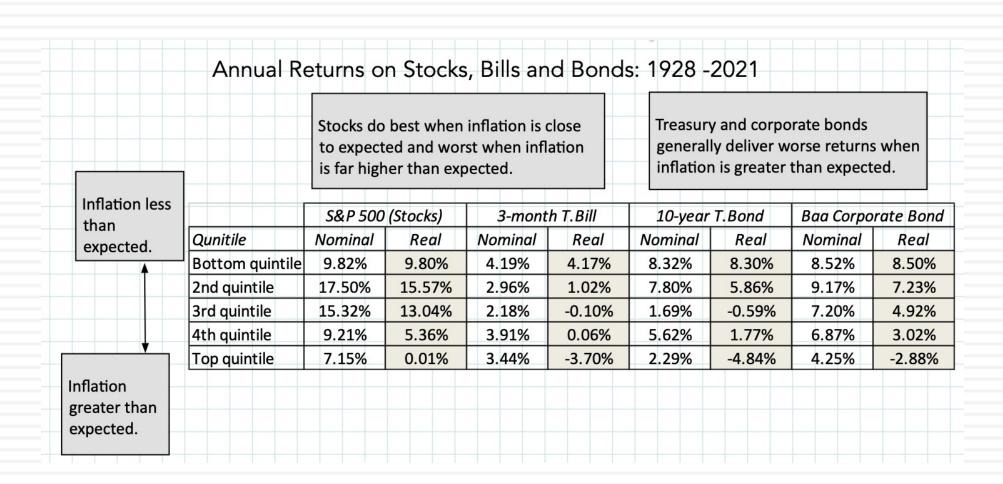
Financial Asset Returns: By Decade

				Average .	Annual Nom	inal Return		Average A	nnual Real I	Return
Decade	Expected Inflation	Unexpected Inflation	Stocks	T. Bills	T. Bonds	Baa Corp Bonds	Stocks	T. Bills	T. Bonds	Baa Corp Bonds
1930-39	-1.92%	0.07%	4.27%	0.99%	4.01%	7.77%	6.19%	2.91%	5.93%	9.69%
1940-49	5.51%	3.08%	9.64%	0.48%	2.52%	5.18%	4.14%	-5.03%	-2.99%	-0.32%
1950-59	2.24%	-1.89%	20.93%	2.00%	0.83%	2.32%	18.69%	-0.24%	-1.41%	0.08%
1960-69	2.53%	0.84%	8.60%	3.98%	2.51%	3.23%	6.07%	1.45%	-0.02%	0.70%
1970-79	7.41%	2.80%	7.52%	6.29%	5.58%	7.29%	0.11%	-1.12%	-1.83%	-0.12%
1980-89	5.14%	-2.33%	17.95%	8.82%	12.59%	14.46%	12.81%	3.68%	7.45%	9.31%
1990-99	2.94%	-0.90%	18.82%	4.85%	7.83%	9.69%	15.88%	1.92%	4.89%	6.75%
2000-09	2.53%	-0.02%	1.16%	2.69%	6.62%	8.61%	-1.37%	0.16%	4.09%	6.08%
2010-19	1.76%	-0.38%	14.02%	0.52%	4.35%	7.23%	12.27%	-1.24%	2.59%	5.48%
2020	1.36%	-0.39%	18.01%	0.09%	11.33%	10.41%	16.65%	-1.27%	9.97%	9.05%

Unexpected Inflation and Financial Assets...



With a follow up...



Other investment classes: Real Estate and Gold

- One of the costs that come with the last scenario is that inflation eats away at trust in not just currencies, but in all financial assets, and that investors will turn away from stocks and bonds.
- In the 1970s, the asset classes that benefited the most from this flight were gold and real estate, and the question is which asset classes will best play this role now, if inflation is here to stay.
 - I do think that securitizing real estate has made it behave more like financial assets and removed some of its power to hedge against inflation, but there may be segments (such as rental properties, where rent can be raised to match inflation) that retain their inflation fighting magic.
 - Gold's history as a collectible with standing will continue, but the truth is that it is not big enough as an asset class for us to all hold it.

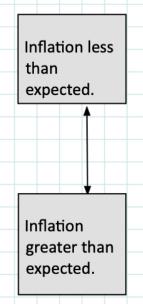
And by decade...

			Annual Nom	inal Return	Annual Re	al Return
Decade	Expected Inflation	Unexpected Inflation	Gold	Real Estate	Gold	Real Estate
1930-39	-1.92%	0.07%	NA	-1.05%	NA	0.87%
1940-49	5.51%	3.08%	NA	8.56%	NA	3.05%
1950-59	2.24%	-1.89%	NA	3.09%	NA	0.85%
1960-69	2.53%	0.84%	NA	2.18%	NA	-0.35%
1970-79	7.41%	2.80%	37.46%	8.80%	30.05%	1.39%
1980-89	5.14%	-2.33%	-0.96%	5.90%	-6.10%	0.76%
1990-99	2.94%	-0.90%	-2.72%	2.70%	-5.65%	-0.24%
2000-09	2.53%	-0.02%	14.95%	4.30%	12.42%	1.77%
2010-19	1.76%	-0.38%	4.43%	3.86%	2.68%	2.11%
2020	1.36%	-0.39%	24.17%	10.35%	22.81%	8.98%

Unexpected Inflation and Real Asset Returns..

Annual Returns on Gold (1970-2021) and Real Estate (1928 -2021)

Returns on gold, nominal and real, are significantly higher when inflation is greater than expected, and lower when it is lower than expected. While nominal returns on real estate increase, as unexpected inflation gets higher, real returns show litle or no pattern.

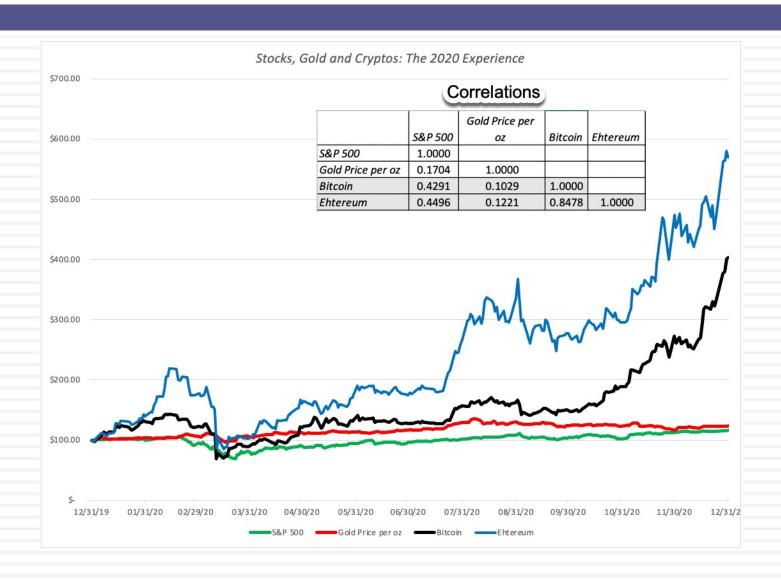


		Gold	Real	Estate
Qunitile	Nominal	Real	Nominal	Real
Bottom quintile	1.96%	-1.22%	1.54%	1.52%
2nd quintile	-2.15%	-4.45%	3.23%	1.29%
3rd quintile	16.97%	14.58%	4.81%	2.53%
4th quintile	5.23%	0.56%	4.46%	0.61%
Top quintile	46.34%	36.57%	7.62%	0.49%

Cryptos, NFTS and other Collectibles

- That, of course, brings us to cryptos, NFTs and other, more recent, entrants into the investment choice list. In theory, you could make the argument that these new investment choices will operate like gold, but you have two serious barriers to overcome.
 - The first is that they have not been along for long, and history is full of collectibles, from Beanie Babies to Pokemon cards, that people paid high prices for, but failed to hold their value.
 - The second is that in the limited history that we have for cryptos and NFTs, they have behaved less like collectibles (holding or increasing in value, as stocks and bonds collapse) and more like very risk stock.
- In fact, higher and sustained inflation may be the ultimate test of whether there is any substance to the bitcoin as millennial gold story, and the results may make or break those holding cryptos for the financial apocalypse that they see coming.

Inflation and Cryptos?

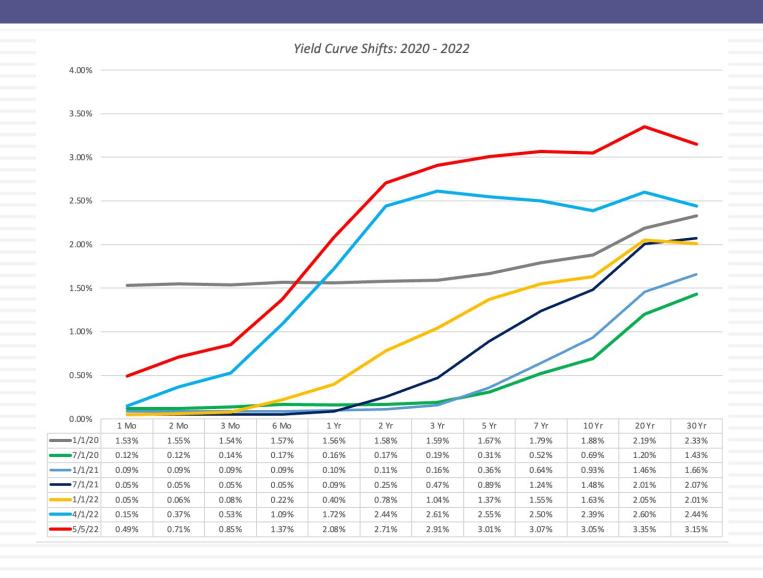


Inflation Hedges?

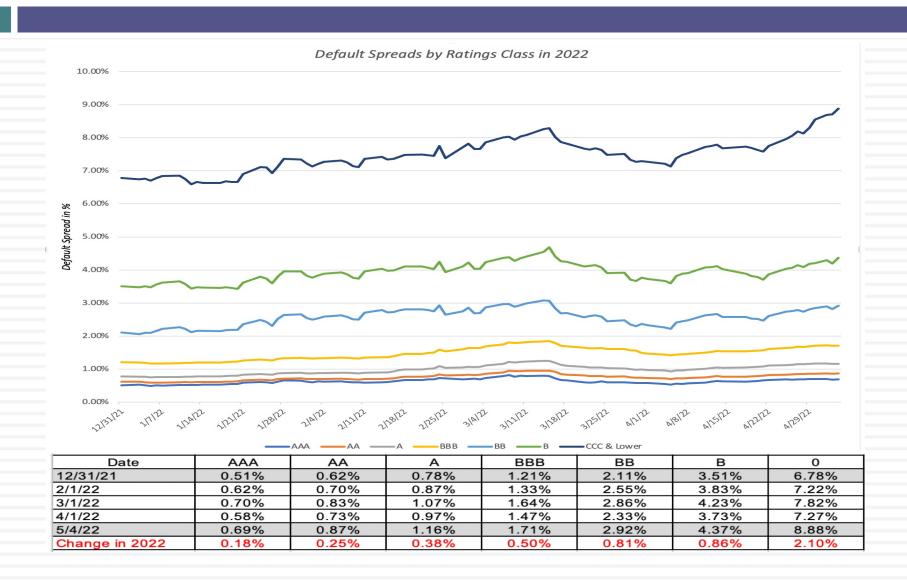
	Actual Inflation Rate	Unexpected Inflation	S&P 500 (includes dividends)	3-month T.Bill	US T. Bond	Baa Corporate Bond	Gold	Real Estate
Actual Inflation Rate	1.0000							
t								
Unexpected Inflation	0.7624	1.0000						
t	11.2383							
S&P 500 (includes dividends)	0.0131	-0.1326	1.0000					
t	0.1245	-1.2766						
3-month T.Bill	0.4000	-0.0362	-0.0347	1.0000				
t	4.1629	-0.3460	-0.3311					
US T. Bond	-0.0740	-0.2442	-0.0119	0.2625	1.0000			
t	-0.7078	-2.4021	-0.1134	2.5954				
Baa Corporate Bond	-0.0988	-0.2219	0.4062	0.0876	0.5921	1.0000		
t	-0.9471	-2.1712	4.2408	0.8388	7.0091			
Gold	0.4787	0.5861	-0.2011	0.0629	-0.1417	-0.2161	1.0000	
t	3.8169	5.0637	-1.4372	0.4412	-1.0020	-1.5493		
Real Estate	0.5427	0.3329	0.1382	0.1116	-0.0782	-0.0168	0.1636	1.0000
t	6.1633	3.3678	1.3312	1.0715	-0.7484	-0.1603	1.1609	

Inflation: Economic and Value Consequences

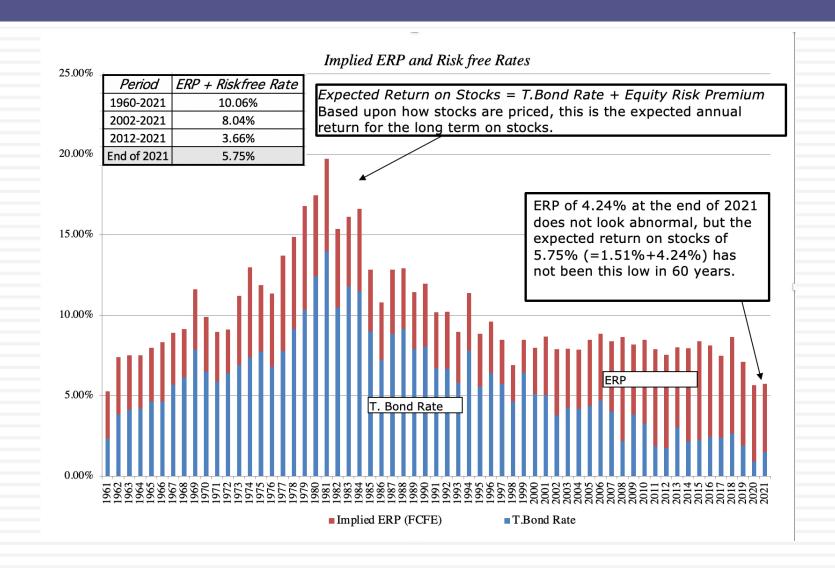
Economic Consequences: Interest Rates



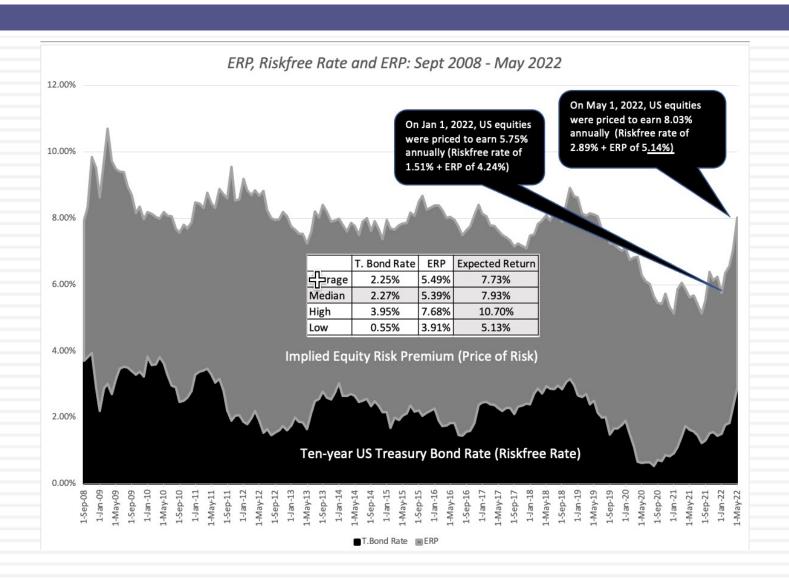
Default Spreads...



Equity Risk Premiums



And expected returns on stocks...



With worries about economic growth...

- Almost every economic forecasting service has increased their assessed probabilities for a recession, with variations on how deep and long a recession has to be to break inflation's back.
- In a note published in mid-April, Larry Summers and Alex Domash go as far as to put the likelihood of a recession at 100%, based upon a joint indicator, i.e., that a combination of inflation > 5% and unemployment<4% has always led to a recession within 12 to 24 months, using quarterly data from the 1950s to today.
- While I remain a skeptic about historic rules of thumb (downward sloping yield curve, for example) to make categorical statements about future economic growth, I think that we can state categorically that there is a greater chance of an economic slowdown now than just a few months ago.

Investment Consequences

- As the storm clouds of higher inflation and interest rates, in conjunction with slower or even negative economic growth, gather, it should come as no surprise that equity markets are struggling to find their footing.
 - At the close of trading on May 5, 2022, the S&P 500 stood at 4147, down 13.3% from the start of the year value, accompanied by increased volatility.
 - You are hearing from "experts" offering divergent advice from sell and flee to buy into weakness.
- Investors are looking for safe havens, in case inflation is back, and they are being offered alternative "asset" classes.

Determinants of Value

- Steady State Interest Rate: There are three possibilities for the future.
 - Bulk of the move is behind us. This is steady state.
 - A Seventies rerun, with expectations lagging inflation
 - Inflation is transient and returns to last decade levels
- Equity Risk Premium Path: The equity risk premium of 5.24%, estimated at the start of May 2022, is at the high end of historical equity risk premiums. That rate could
 - Continue to rise with high and volatile inflation
 - Stay steady at current levels
 - Drop, as inflation fears pass
- Earnings Estimates: The strength of the economy has been a big contributor to boosting actual and expected earnings on companies in the last two years, and these higher earnings have translated into more cash returned in dividends and buybacks. If recession fears play out, those earnings may be under stress.

S&P Valuation: Status Quo

-0.81%

Valuing the S&P 500 on May 5, 2022

Risk free Rate

Assume that the treasury bond rate will stay at or around 3% long term.

% Under or Over Valuation =

Expected Earnings in 2022 & 2023
Used analyst forecasts for earnings in 2022 and 2023

Growth rates in 2024-26
Growth rate decreases from 2023 level to stable growth in linear increments.

Growth rate beyond 2026 Expected growth rate is 3% in perpetuity (= Risk free rate in 2026)

		2021	2022	2023	2024	2025	2026	Terminal Year
	Earnings	\$208.49	227.29	250.11	269.35	283.75	292.27	301.03
	Expected growth		9.02%	10.04%	7.69%	5.35%	3.00%	3.00%
	Cash Payout Ratio	80.48%	80.48%	80.70%	80.92%	81.14%	81.37%	81.37%
	Dividends + Buybacks =	\$167.79	\$182.92	\$201.84	\$217.96	\$230.25	\$237.81	244.94
	Terminal Value =				, s		\$4,898.81	
L	Riskfree Rate	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
	Required Return	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
	Present Value =		\$169.37	\$173.04	\$173.03	\$169.24	\$3,495.90	
	Intrinsic Value of Index =	4180.57	*					
	Actual Index level =	4146.87		Intrinsic Val	ue of Index			
		-		manusic value of mack				

PV of expected cash flows for next 5 years + PV of terminal value

Terminal Value = 244.94/ (.08 - .03) = 4898.81

Value Dynamics

Interest Rates, the Economy and the Price of Risk: Value Effects

The Volcker Rerun

In this scenario, the economy goes into a recession, but inflation drops precipitously and interest rates decline. Price effect will depend on what risk premiums revert to.

Much Ado about Nothing?

In this scenario, the economy stays afloat, earnings come in close to expeciations, inflation reverts to Fed targets and the price of risk levels off.

		$\overline{}$	<u> </u>	Valuing the	S&P 500 on	May 5, 2022			
	Earnings =	= 20% below	Estimates		= 10% below			nings = Estim	ates
Riskfree Rate	4%	5%	6%	4%	5%	6%	4%	5%	6%
2%	4567	3640	3022	5137	4095	3400	5708	4550	3778
3%	4189	3344	2782	4713	3763	3129	5236	4181	3477
4%	3825	3059	2549	4303	3442	2867	4781	3824	3186
5%	3473	2784	2324	3907	3132	2615	4341	3480	2905
6%	3134	2518	2107	3525	2832	2370	3917	3147	2633
	\	Index was tra	ding at 414	7 on 5/5/22.	. Shaded cells	s are higher t	than 4147	<u> </u>	7

The Seventies Show

In this scenario, the economy goes into a recession and inflation remains stubbornly high . Damage will depend on how risk premiums do.

Live and let live (with inflation)

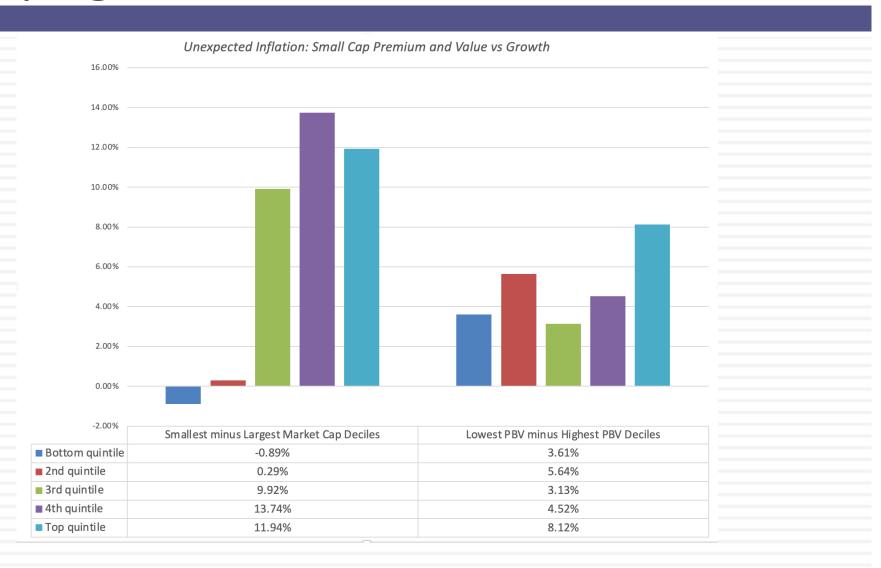
In this scenario, inflation stays high, but earnings remain resilient. Price effect depends largely on how much risk premiums rise to reflect inflaitono uncertainty.

Inflation and Company Value

The Disparate Effects of Inflation

- While higher than expected inflation, in general, is bad for stocks, not all companies are equally hurt by it.
 - There are a few companies that may benefit from the unexpectedly high inflation.
 - There are some companies that may find their value close to unaffected by inflation
 - There are other companies that are negatively affected by inflation, to varying degrees
- When investors get worried about inflation, the search for companies that are less affected by inflation, or unaffected by it, picks up. To find these companies, investors often look at history to see which classes of stock or sectors have performed best during inflationary periods.

Unexpected Inflation and Stock Groupings..



The Return of Value (and Small Cap) Investing?

- For value investors, who have spent a decade wandering in the wilderness, the return of inflation may seem like a chance at redemption, but there are two caveats:
 - While the table shows that low PE and low PBV ratio stocks did better than high PE and high PBV stocks during inflationary periods, they still delivered sub-standard returns, just less sub-standard than other groupings.
 - There is little evidence that active value investing derived any benefits from high inflation. In short, as in almost every other time period in the last century, a value index fund would have beaten most active value investors.
- With small cap investing, which has not delivered a premium since 1981, the circumstances (market structure, trading costs/difficulty, information access) have changed enough that they may be no repeat of the 1970s.

Inflation and Value: Just the facts!

<u>Inflation effect:</u> Depends on Pricing power

<u>Divergence</u>: Companies with pricing power should be able to pass through inflation into their product/service prices, allowing revenues to grow with inflation.

Inflation effect: Cost components & structure

<u>Divergence</u>: Companies with significant costs (low gross margins) and inputs that are more exposed to inflation (commodities) will see margins decrease, relative to other companies.

<u>Inflation effect:</u> Uncertainty about future inflation

<u>Divergence</u>: Companies with longer term investments will invest less, as uncertainty about future inflation makes it more difficult to justify large up front investments.

Revenue Growth

Function of the size of the total accessible market & market share

Operating Margins

Determined by pricing power and cost efficiencies

Growth/Investment Efficiency

Measure of how much investment is needed to deliver growth

Value of
Business

Risk-adjusted Discount Rate

Failure Risk

Chance of grevious

Chance of grevious or catastrophic event putting business model at risk.

Cost of Equity

Rate of return that equity investors demand

Cost of Debt

Cost of borrowing money, net of tax advantages

Inflation effect: Increase failure risk

<u>Divergence</u>: Failure risk will rise at cash flow negative companies (both very young & old).

Inflation effect: Increase cost of equity
Divergence: Inflation will increase the

risk free rate, and uncertainty about inflation will increase the equity risk premium, with costs of equity rising more for riskier firms.

Inflation effect: Increase cost of debt

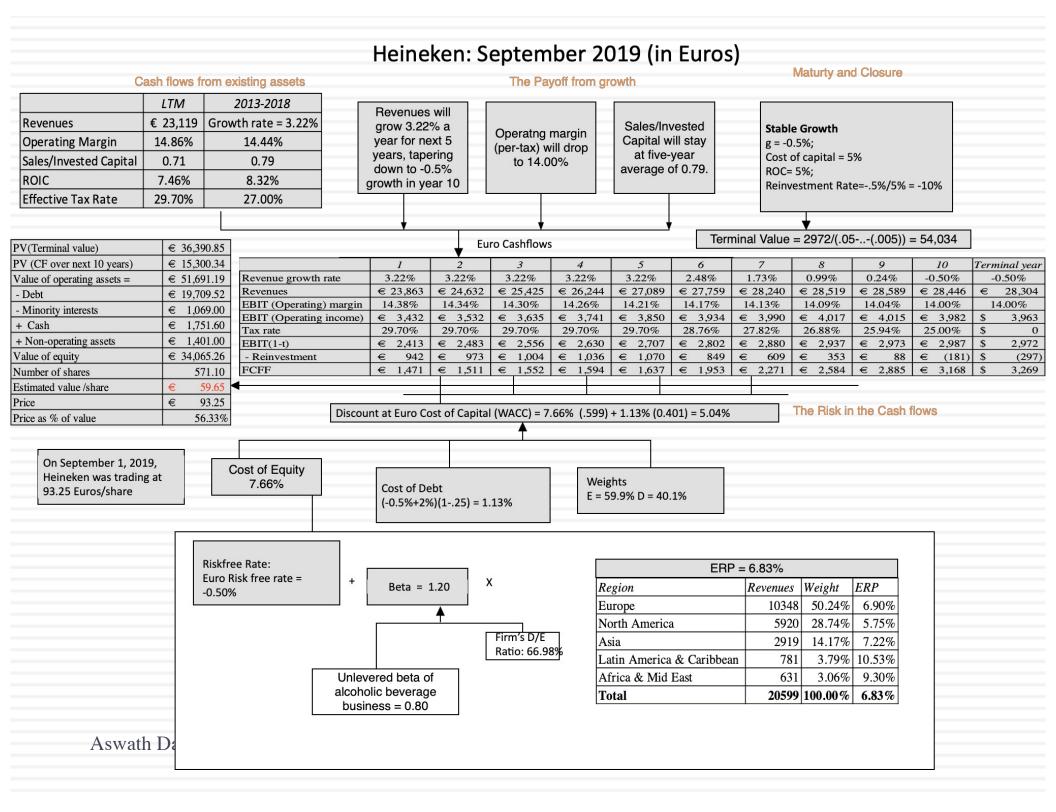
Evidence: The cost of debt will rise as expected iinflation rises, pushing up the risk free rate and default spreads. If inflation is higher than expected, there is a benefit.

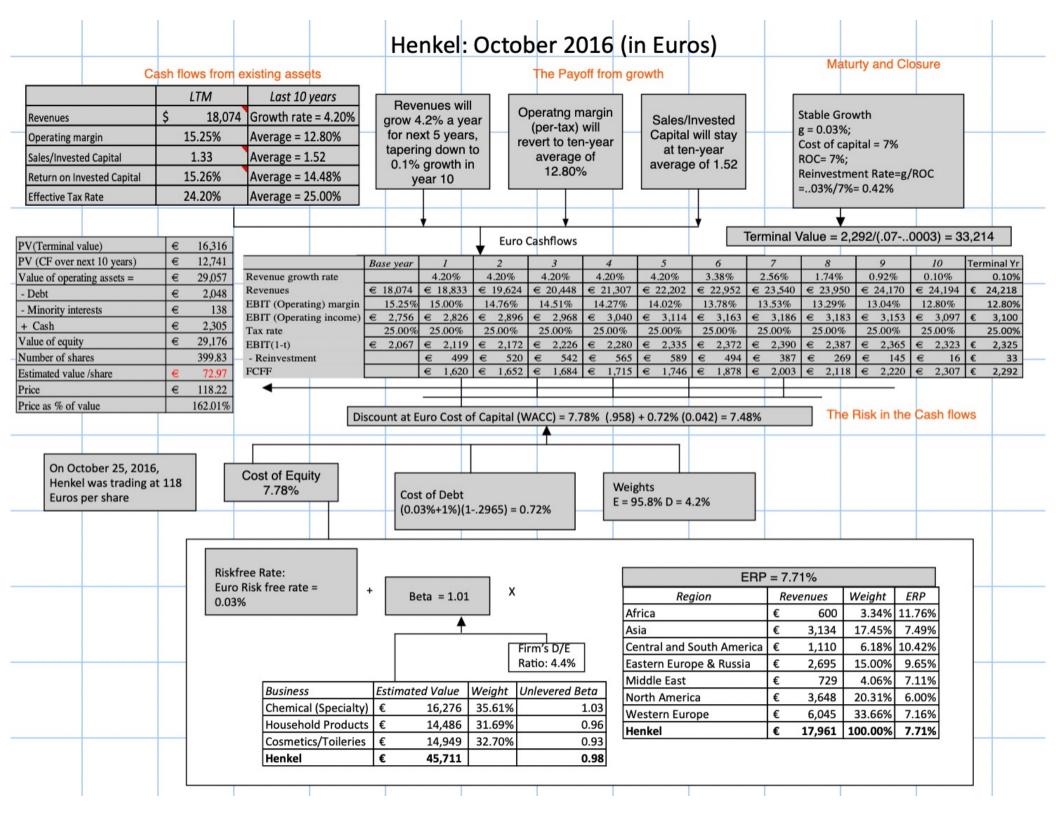
The Factors that determine Inflation Sensitivity

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Variable	Why it matters	Factors determining variable
Pricing Power	Companies that can pass	1. <u>Discretionary/Non-discretionary</u> : If the product or service you offer is one that your
	inflation through to	customers need, and cannot delay purchase, you will have more pricing power.
	customers are more	2. Competition: Companies in competitive businesses will have less pricing power
	protected from inflation.	than otherwise similar companies with less competition.
		3. Regulation: Companies that face price regulation, from governments or regulatory
		authorities, will be at the mercy of regulatory pricing decisions.
Cost Structure	Companies that have	1. Cost of Goods Sold: Companies that have higher direct costs of production are
	costs that are substantial	more negatively affected by inflation than companies with lower costs of
	and inflation-sensitive	production.
	will be more negatively	2. <u>Input composition</u> : Companies with inputs that are more exposed to inflation
	exposed to inflation.	(commodities, skilled labor) will be more negatively affected by inflation.
Investment	Companies with longer	1. Type of Business: Infrastructure and manufacturing companies generally have to
Efficiency	term & less flexible	invest larger amounts for longer periods than service or technology companies.
•	investment choices will	2. Flexibility: Companies that have more flexibility (to withdraw or stagger spending)
	be more negatively	on their investments are better positioned to weather inflation than companies that
	affected by inflation.	don't have that flexibility.
Cost of equity	Riskier companies will	1. Sector Risk: Companies in riskier sectors, i.e., sectors more exposed to
	be more negatively	market/economic up and down turns will see costs of equity go up more than
	affected by inflation	companies in safer sectors.
	**	2. Country Risk: Companies that operate in riskier countries will see bigger surges in
		equity risk premiums than companies that operate in stable markets.
Cost of debt	Companies that have	1. Stability/Level of Earnings: Companies with higher and more stable earnings will
	more default risk (lower	see costs of debt go up less than companies with lower/negative earnings.
	bond ratings) will be	2. <u>Debt level</u> : Companies that have borrowed more will see a bigger increase in their
	hurt more by higher	costs of debt than otherwise similar companies that have borrowed less.
	inflation.	
Failure risk	Companies with a	1. Stage in Life Cycle: Young companies with unformed business models have a
	higher risk of failure	greater chance of failure than older companies with more established business
	will be hurt more by	models.
	inflation.	2. <u>Debt level</u> : Companies that have borrowed more are more likely to fail than
		otherwise similar companies that have borrowed less.

Aswath Damodaran





In Conclusion...

- The inflation genie is out of the bottle, and if history is any guide, getting it back in is going to take more time and create more pain than we realize.
 - It is the lesson that the US learned in the 1970s, and that other countries have learned or chosen to not learn from their own encounters with inflation.
 - It is the reason that when inflation made itself visible in the early part of 2021, I argued that the Fed should take it seriously, and respond quickly, even if there existed the possibility that it was transient.
- The Fed and the administration chose a different path, one that can be described as whistling in the graveyard, not just ignoring the danger with happy talk, but also actively taking decisions that only exacerbated the danger.
 - They find themselves between a rock (more inflation) and a hard place (a recession), and while you may be tempted to say "I told you so", the truth is that we will all feel the pain.
 - If central banking good sense prevails, we are faced with a recession of uncertain length and depth. If political expediency leads to accepting inflation, a generation of businesspeople, investors and public policy makers will have to learn to live with higher and more volatile inflation.