Slides 12 - Behavioral Finance and Technical Analysis

1.	a. Which are types of information pro	cessing errors?
	Check all that apply:	
	Conservatism bias	
	Forecasting errors	
	Overconfidence	
	Regret avoidance	
	Representativeness bias	
	Regret avoidance is a behavioral b	ias, not an information processing error.
2.	a. Investors trading a lot is an example	e of
	oconservatism bias	
	 forecasting errors 	
	overconfidence	
	representativeness bias	
	Investors trading a lot is an example have much lower returns than the I	e of overconfidence, as evidenced by the fact that the most active portfolios east active portfolios.
3.	a. Which of the below scenarios best	describes mental accounting?
	 Buying more of a certain stock 	pecause you are pleased with the company's recent performance.
	 Deciding not to trade any stocks 	s on a day when the S&P has remained stable.
	 Freely accessing and spending return for the same purpose. 	dividend returns, but refusing to sell a single stock that has a similar rate of
	 The tendency for investors to as investor. 	ssess investment decisions based on the manner that the choice is posed to th
	This investor has segregated their	investment decisions rather than view their portfolio as a whole.
4.	a. Which of the following asset alloca	tion decisions are typical regret avoidance behavior?
	Check all that apply:	
	Avoiding companies with high b	ook-to-market ratios.
	Buying Company A instead of C share price over the last 2 years	Company B because Company A's share price has outperformed Company B's s.
	Allocating 50% of one's portfoliogrowth potential.	to various graphite mining companies in the Mozambique that show high
	Focusing on well-known compa	nies with sound financials.
	Using diversification to minimize	e portfolio risk.
	Regret avoidance states that people	e are more likely to blame themselves for unconventional choices that turn out

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badly and, consequentially, avoid this regret by making conventional decisions. Allocating money to mining

	companies in Africa is a very unusual investment decision, while all other options are common investment choices that are less risky.
5.	a. Limits to arbitrage means that, under certain conditions,
	o short sellers cannot make a profit
	investors are influenced by behavioral biases
	rational traders cannot correct a mispricing
	o some securities are mispriced
	Limits to arbitrage means that even rational and big traders cannot always correct a mispricing by buying enough undervalued securities or short-selling enough overvalued securities.
6.	a. The law of one price states that
	o in a perfectly efficient or rational market, identical assets should have identical prices
	 in the event of an equity carve-out, the new price of all new shares should be the same as they were prior to the equity carve-out
	investors are willing to buy stocks with similar risk levels for similar prices
	the price of a given asset will remain the same regardless of market sentiment
	The Law of One Price states that identical assets should have identical prices. In reality, asset pricing is made more complex due to the presence of behavioral factors.
7.	a. In simplified terms, the TRIN statistic is a measurement describing
	of future market movements
	industry performance
	olong-term performance
	market volume
	o stock prices
	`TRIN = ("Volume of declining stocks"/"# of declining stocks") / ("Volume of advancing stocks"/"# of advancing stocks")`
	The equation creates a ratio of the average <i>volume</i> in declining stocks to the average <i>volume</i> in advancing stocks.
8.	a. Short interest refers to the
	current rate of interest on margin loans for short selling shares
	total number of shares currently sold short in the market
	 total number of short sold shares in the market that are yet to be covered
	total value of short-selling in the market
	Short interest refers to the number, rather than the dollar value, of stocks currently sold short.
9.	a. The general purpose for using a moving average to analyze a stock is to
	 discount the effects of momentum on stock prices.
	 measure underlying movements in order to gather trends that cannot be seen by simply analyzing daily or short-term movements.
	 smooth out drastic falls in prices to demonstrate a more optimistic narrative to other investors.

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Slides 12	- Behavioral Finance and Technical Analysis https://www.accepi.com/printAssignment?assignmentI understand a stock price on a particular day, relative to its performance in previous years.						
	The use of a moving average is to understand the underlying movements of a stock and identify trends.						
	An example of the measurement is a 50-day moving average, where the average price of the stock over the preceding 50 days is captured.						
10. a	. When understanding the put/call ratio as a sentiment indicator, which of the below is correct in relation to put options?						
	 They perform well in falling markets as they give the buyer the right to buy the stock at a predetermined price. They perform well in falling markets as they give the buyer the right to sell the stock at a predetermined price. They perform well in rising markets as they give the buyer the right to buy the stock at a predetermined price. They perform well in rising markets as they give the buyer the right to sell the stock at a predetermined price. Put options give the owner the right to sell a stock at a predetermined exercise price. Therefore, the owner is hoping for a reduction in the stock price so he/she can sell the stock above its actual market price. 						
11. a	The confidence index uses yield data from the in an attempt to reveal future trends in the market. bond market, housing bond market, stock housing market, stock retail industry, stock stock market, bond The confidence index captures the ratio of yields on top-rated corporate bonds to those on intermediate-grade bonds. This metric is used to predict sentiment-driven stock market movements. A higher confidence index signal optimism within the bond market.						
12 Be	slow is the market diary for a particular day's trading						

12. Below is the market diary for a particular day's trading.

Issues	NYSE	Nasdaq
Advancing	2,319	2,169
Declining	654	529
Unchanged	215	115

a. What is the breadth for the NYSE?

Market Breadth = Total Advancing Stocks - Total Declining Stocks

= 2,319 - 654

= 1,665

13. The table below shows the average 10-year yield of top-rated corporate bonds along with the corresponding yields for intermediate-grade corporate bonds:

Month	Top rated	Intermediate grade
1	0.033	0.08182
2	0.039	0.08738
3	0.025	0.099
4	0.033	0.08182
5	0.03	0.09

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Month	Top rated	Intermediate grade
6	0.02727	0.108

a. What is the confidence index in month 5?

Confidence Index = Yield of top-rated bonds / Yield of intermediate-grade bonds

- = 0.03 / 0.09
- = 0.3333
- 14. Below is the market diary for a particular day's trading.

Issues	NYSE	Nasdaq
Number advancing	1,118	941
Volume advancing	974,575,345	953,575,000
Number declining	2,200	2,067
Volume declining	1,504,600,876	1,501,500,000

a. What was the trin statistic for the Nasdaq on this day?

Trin statistic = (Vol. declining/# declining) / (Vol. advancing/# advancing)

- = (1,501,500,000 / 2,067) / (953,575,000 / 941)
- = 0.7168
- 15. Market data for the index and the stock price of GoldMiners Inc is given below:

Day	S&P	GoldMiners Inc
1	68	38
2	66	37.7
3	65	38.5
4	61.7	39
5	63.7	40.2

- a. GoldMiners Inc _____.
 - odoes neither show nor not show relative strength
 - odoes not provide enough information about relative strength
 - does not show relative strength
 - shows relative strength

An increasing ratio of stock price to index indicates relative strength:

Day 1: 38 / 68 = 0.5588

Day 2: 37.7 / 66 = 0.5712

Day 3: 38.5 / 65 = 0.5923

Day 4: 39 / 61.7 = 0.6321

Day 5: 40.2 / 63.7 = 0.6311

- 4: As this ratio is increasing over time, *GoldMiners Inc* shows relative strength.
- 16. The table below contains information about a stock market, the level of the relevant index, stock prices for BigBox.com, and the yields on top-rated and intermediate grade corporate bonds.

Day	# Adv.	Vol. Adv. (1,000)	# Decl.	Vol. Decl. (1,000)	Index	BigBox	Top Rated	Interm. Grade	
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Day	# Adv.	Vol. Adv. (1,000)	# Decl.	Vol. Decl. (1,000)	Index	BigBox	Top Rated	Interm. Grade
1	1,429	2,029,800	1,520	2,017,330	56.1	20.72	0.043	0.076
2	1,829	1,765,043	1,120	2,420,796	56.25	21.5	0.043	0.076
3	1,929	2,334,270	1,020	1,260,831	51	21.9	0.043	0.076
4	2,429	4,262,580	520	1,215,259	51	23	0.044	0.076
5	829	699,931	2,120	6,495,803	49.04	27.6	0.042	0.08

a. What is the breadth of the market on day 1?

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Breadth = # advancing - # declining
= 1,429 - 1,520
= -91
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b. What is the trin statistic on day 1?

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Trin = (Vol. declining / # declining) / (Vol. advancing / # advancing) = (2,017,330 / 1,520) / (2,029,800 / 1,429) = 0.9344
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c. What is the confidence index on day 5?

Confidence Index = Yield of top-rated bonds / Yield of intermediate grade bonds = 0.042 / 0.08 = 0.525

d. BigBox.com	
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- odoes neither show nor not show relative strength
- odoes not provide enough information about relative strength
- does not show relative strength
- shows relative strength

An increasing ratio of stock price to index indicates relative strength:

Day 1: 20.72 / 56.1 = 0.3694 Day 2: 21.5 / 56.25 = 0.3821 Day 3: 21.9 / 51 = 0.4295 Day 4: 23 / 51 = 0.451

Day 5: 27.6 / 49.04 = 0.5628

4: As this ratio is increasing over time, *BigBox.com* shows relative strength.