NOT FOR PUPLICATION

Evidence for Countercyclical Risk Aversion: An Experiment with Financial Professionals

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Online Appendix

Content:

I. Financial market survey

I. Financial Market Survey

[English translation from the German original survey]

Welcome to the financial market survey of the University of Zurich

We are conducting a study on investment behavior in Switzerland. Your personal opinions and attitudes are of great interest to us. This is why we kindly ask you to answer all the questions completely and furthermore not to discuss the study with other subjects.

Participation will take about 15 minutes, and with your participation, you will make an important contribution to research. You can – with a little bit of luck – also earn money; one in five subjects wins. At the end of the study, you will determine with a random draw whether you are one of the winners.

Governmental research agencies are funding the study. Your answers will be treated with complete confidentiality, and they will be analyzed in an anonymous form.

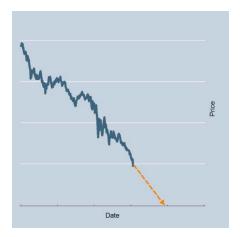
Thanks for participating!

About how ofte	n do you dea	al with inves	tment insti	ruments (p	urchase	e and sale	e)?	
☐ Never								
Once a y	ear							
Once ev	ery half-year							
Every 3	months							
Once a r	nonth							
Every 2	weeks							
Once a v	veek							
☐ Daily								
Which one of th	e following s	statements	oest descril	oes your in	vestme	nt behav	vior?	
☐ I follow ·	ny own inves the advice of ne decisions ne decision to	my financia to my financ	ıl advisor b cial advisor	ut I take th but I want	ie final (to be k	decision cept up to	o date abo	out it
Do you think th	at one can tr	ust most fin	ancial advi	sors or not	?			
One can	trust						One can trus	t
few fina	ncial advisors					most fina	ncial advisor	5
-3 	-2	-1 	0			2	3	
Concerning fina benefit from it i			extent are	you willing	g to forg	o somet	hing in ord	der to
Not at all willing to forego somet 0 1		3 4	5 	6 	7	8	Ver to forgo so 9	y willing mething 10

[Each of the following six questions about investment behavior was presented on a separate page with the animated chart at the top of the page.]

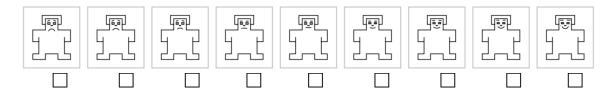
Imagine you find yourself in a continuing stock market crash.

You expect the negative development to continue as indicated by the arrow in the graph.



Would you sell/buy individual stocks? Explain briefly why.
Would you invest in gold or other precious metals? Explain briefly why.
Would you deposit part of your assets on your savings account? Explain briefly why.
Would you invest in Exchange Traded Funds? Explain briefly why.
Would you consider purchasing real estate (for instance a house)? Explain briefly why.

How well are you feeling at the moment?



To what extent are you experiencing the emotion "fear" at the moment?

Not at all						A lot
0	1	2	3	4	5	6

You can now earn money!

The amount you earn will depend on your decisions. It is thus very important that you read the explanations very carefully. **One in five participants wins!** At the end of the study, you yourself will determine with a random draw whether you are one of the winners.

Investment Task

In this part you will make two investment decisions; by doing so you will win or lose money. Note that only **one of the two** investment decisions will be paid out at the end of the study. The decision that will be paid out is determined randomly.

First investment decision

Your initial endowment amounts to CHF 200.-. You have to decide what share of this you would like to invest in a risky asset. You can keep the remaining amount that you do not invest.

The investment decision works like this

An instructor – who **cannot** see into the box – will randomly draw one of the balls out of the big plastic box, which is placed on the instructors' table. The big plastic box contains red, blue and yellow balls in an unknown ratio (see picture). If a **yellow ball** is drawn, you **win** and receive 2.5 times the amount you invested. If **a red or a blue ball** is drawn, you will **lose** your investment and you will not get anything back.



Your earnings are thus calculated as follows

• If you win (yellow ball is drawn):

Your earnings = CHF 200 minus investment plus (2.5 x investment)

If you lose (a red or blue ball is drawn):

Your earnings = CHF 200 *minus* investment

How many CHF would you like to invest in the risky asset (0 - 200)? CHF _____

What is your guess of the share of yellow (winning) balls in the big plastic box? percent

Second investment decision

Your initial endowment amounts again to CHF 200.-. You may now decide what share of this you would like to invest in a risky asset. You may keep the remaining amount that you do not invest.

The investment decision works like this

Again an instructor – who **cannot** see into the box – will randomly draw one of the balls out of the small plastic box, which is placed on the table of the instructors. The small plastic box contains **one red and one yellow ball** (see picture). If the **yellow ball** is drawn, you **win** and receive 2.5 times the amount you have invested. If the **red ball** is drawn, you will **lose** your investment and you will not get anything back.



Your earnings are thus calculated as follows

• If you win (yellow ball is drawn)

Your earnings = CHF 200 minus investment plus (2.5 x investment)

If you lose (a red or blue ball is drawn)

Your earnings = CHF 200 *minus* investment

How many CHF would you like to invest (0 - 200)? CHF _____

To what extent do you agree to the following two statements?

• Overall, I expect more good things to happen to me than bad.

Not at all agre	ee				Con	npletely agree
0	1 	2	3	4	5	6

• It is unlikely that I will lose my job in the next six months.

Not at all agre	ee				Con	npletely agree
0	1	2	3	4	5	6

Do you think the SMI (Swiss Market Index) will tend to go up or down in the next two years?

SMI will go do	wn	SMI will stay the same			SMI will go up	
-3	-2	-1	0	1	2	3

How high is your income compared to the Swiss average?

Far below ave	erage				Far a	bove average
-3	-2	-1	0	1	2	3

Investment Quiz

Which of the following orders of the four investment instruments according to their average volatility (from 1 = low to 4 = high) is correct.
 1. Savings account 2. Government bonds 3. Stocks 4. Corporate bonds 1. Savings account 2. Government bonds 3. Corporate bonds 4. Stocks 1. Government bonds 2. Savings account 3. Stocks 4. Corporate bonds 1. Government bonds 2. Savings account 3. Corporate bonds 4. Stocks
Which one of the following statements is NOT a possible advantage of investing in investmen unds from the perspective of an investor?
☐ The possibility to invest diversified
☐ The possibility to invest in special markets
The possibility to invest small amounts of money
The possibility to participate in the choice of individual stocks
Which one of the following terms is synonymous with keeping a sell option?
Short Put
☐ Long Put
Short Call
☐ Long Call
Which one of the companies bellow is NOT included in the SMI? (Referring to: 30.01.2012)
☐ Syngenta
☐ Holcim
☐ Baloise
Lonza
How many of the questions in the investment quiz do you think you answered correctly?
0 1 2 3 4

Please complete your personal details below:						
Age:	yea	rs				
Gender:	□ Malo	☐ Female				
Gender.	☐ Male					
Nationality:						
What is your profess	ional function?					
What was your gross	-					
I earned approximat	ely CHF	gross wage last month.				
How much liquid we	alth do you pos	sess (in CHF)?				
□ Locathan CU	IE 100¦000					
Less than CH)0'001 to 250'00	10				
	50'001 to 500'00					
From CHF 50	00'001 to 1 Millio	on CHF				
☐ More than 1	Million CHF					
Do you have any con	nments or rema	rks about the study?				

Thanks for participating!