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# SKIN in the GAME

Hidden Asymmetries in Daily Life



NASSIM Nicholas Taleb

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HIDDEN ASYMMETRIES IN DAILY LIFE

NASSIM NICHOLAS TALEB



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Contents

Cover

<u>Title Page</u>

Copyright

Book 1: Introduction

Prologue, Part 1: Antaeus Whacked

Prologue, Part 2: A Brief Tour of Symmetry

Prologue, Part 3: The Ribs of the Incerto

Appendix: Asymmetries in Life and Things

Book 2: A First Look at Agency

Chapter 1: Why Each One Should Eat His Own Turtles: Equality in

<u>Uncertainty</u>

Book 3: That Greatest Asymmetry

Chapter 2: The Most Intolerant Wins: The Dominance of the Stubborn

<u>Minority</u>

Appendix to Book 3: A Few More Counterintuitive Things About the

**Collective** 

Book 4: Wolves Among Dogs

Chapter 3: How to Legally Own Another Person

Chapter 4: The Skin of Others in Your Game

Book 5: Being Alive Means Taking Certain Risks

Chapter 5: Life in the Simulation Machine

Chapter 6: The Intellectual Yet Idiot

Chapter 7: Inequality and Skin in the Game

Chapter 8: An Expert Called Lindy

Book 6: Deeper into Agency

Chapter 9: Surgeons Should Not Look Like Surgeons

Chapter 10: Only the Rich Are Poisoned: The Preferences of Others

Chapter 11: Facta Non Verba (Deeds Before Words)

Chapter 12: The Facts Are True, the News Is Fake

Chapter 13: The Merchandising of Virtue

Chapter 14: Peace, Neither Ink nor Blood

Book 7: Religion, Belief, and Skin in the Game

Chapter 15: They Don't Know What They Are Talking About When They

Talk About Religion

Chapter 16: No Worship Without Skin in the Game

Chapter 17: Is the Pope Atheist?

Book 8: Risk and Rationality

Chapter 18: How to Be Rational About Rationality

Chapter 19: The Logic of Risk Taking

Epilogue

**Dedication** 

Acknowledgments

<u>Glossary</u>

Technical Appendix

<u>Notes</u>

<u>Bibliography</u>

<u>By Nassim Nicholas Taleb</u>

About the Author

**BOOK** 1

## INTRODUCTION

This book, while standalone, is a continuation of the *Incerto* collection, which is a combination of a) practical discussions, b) philosophical tales, and c) scientific and analytical commentary on the problems of randomness, and how to live, eat, sleep, argue, fight, befriend, work, have fun, and make decisions under uncertainty. While accessible to a broad group of readers, don't be fooled: the *Incerto* is an essay, not a popularization of works done elsewhere in boring form (leaving aside the *Incerto*'s technical companion). *Skin in the Game* is about four topics in one: a) uncertainty and the reliability of knowledge (both practical and scientific, assuming there is a difference), or in less polite words bull\*\*\*t detection, b) symmetry in human affairs, that is, fairness, justice, responsibility, and reciprocity, c) information sharing in transactions, and d) rationality in complex systems and in the real world. That these four cannot be disentangled is something that is obvious when one has...skin in the game.  $\underline{*}$ 

It is not just that skin in the game is necessary for fairness, commercial efficiency, and risk management: skin in the game is necessary to understand the world.

First, it is bull\*\*\*t identification and filtering, that is, the difference between theory and practice, cosmetic and true expertise, and academia (in the bad sense of the word) and the real world. To emit a Yogiberrism, *in academia there is no difference between academia and the real world; in the real world, there is*.

Second, it is about the distortions of symmetry and reciprocity in life: If you have the rewards, you must also get some of the risks, not let others pay the price of your mistakes. If you inflict risk on others, and they are harmed, you need to pay some price for it. Just as you should treat others in the way you'd like to be treated, you would like to share the responsibility for events without unfairness and inequity.

If you give an opinion, and someone follows it, you are morally obligated to

be, yourself, exposed to its consequences. In case you are giving economic views:

#### Don't tell me what you "think," just tell me what's in your portfolio.

Third, the book is about how much information one should practically share with others, what a used car salesman should—or shouldn't—tell you about the vehicle on which you are about to spend a large segment of your savings. Fourth, it is about rationality and the test of time. Rationality in the real world isn't about what makes sense to your *New Yorker* journalist or some psychologist using naive first-order models, but something vastly deeper and statistical, linked to your own survival.

Do not mistake skin in the game as defined here and used in this book for just an incentive problem, just having a share of the benefits (as it is commonly understood in finance). No. It is about symmetry, more like having

a share of the harm, paying a penalty if something goes wrong. The very same

idea ties together notions of incentives, used car buying, ethics, contract theory, learning (real life vs. academia), Kantian imperative, municipal power,

risk science, contact between intellectuals and reality, the accountability of bureaucrats, probabilistic social justice, option theory, upright behavior, bull\*\*\*t vendors, theology...I stop for now.

#### THE LESS OBVIOUS ASPECTS OF SKIN IN THE GAME

A more correct (though more awkward) title of the book would have been:

The Less Obvious Aspects of Skin in the Game: Those Hidden Asymmetries and

*Their Consequences.* For I just don't like reading books that inform me of the

obvious. I like to be surprised. So as a skin-in-the-game-style reciprocity, I will not not drive the reader into a dull college-lecture-type predictable journey, but rather into the type of adventure I'd like to have.

Accordingly, the book is organized in the following manner. It doesn't take more than about sixty pages for the reader to get the importance, prevalence, and ubiquity of skin in the game (that is, symmetry) in most of its aspects. But

never engage in detailed overexplanations of *why* something important is important: one debases a principle by endlessly justifying it.

The nondull route entails focusing on the second step: the surprising implications—those hidden asymmetries that do not immediately come to mind—as well as the less obvious consequences, some of which are quite uncomfortable, and many unexpectedly helpful. Understanding the workings of skin in the game allows us to understand serious puzzles underlying the fine-grained matrix of reality.

For instance:

How is it that maximally intolerant minorities run the world and impose their taste on us? How does universalism destroy the very people it means to help? How is it that we have more slaves today than we did during Roman times? Why shouldn't surgeons look like surgeons? Why did Christian theology keep insisting on a human side for Jesus Christ that is necessarily distinct from the divine? How do historians confuse us by reporting on war, not peace? How is it that cheap signaling (without anything to risk) fails equally in economic and religious environments? How do candidates for political office with obvious character flaws seem more real than bureaucrats with impeccable credentials? Why do we worship Hannibal? How do companies go bust the minute they have professional managers interested in doing good? How is paganism more symmetrical across populations? How should foreign affairs be conducted? Why should you never give money to organized charities unless they operate in a highly distributive manner (what is

called Uberized in modern lingo)? Why do genes and languages spread differently? Why does the scale of communities matter (a community of fishermen turns from collaborative to adversarial once one moves the scale, that is the number of people involved, a notch)? Why does behavioral economics have nothing to do with the study of the behavior of individuals and markets have little to do with the biases of participants? How is rationality

survival and survival only? What is the foundational logic of risk bearing? But, to this author, skin in the game is mostly about justice, honor, and sacrifice, things that are existential for humans.

Skin in the game, applied as a rule, reduces the effects of the following divergences that grew with civilization: those between action and cheap talk

(*tawk*), consequence and intention, practice and theory, honor and reputation,

expertise and charlatanism, concrete and abstract, ethical and legal, genuine

and cosmetic, merchant and bureaucrat, entrepreneur and chief executive,

strength and display, love and gold-digging, Coventry and Brussels, Omaha

and Washington, D.C., human beings and economists, authors and editors,

scholarship and academia, democracy and governance, science and scientism,

politics and politicians, love and money, the spirit and the letter, Cato the

Elder and Barack Obama, quality and advertising, commitment and signaling,

and, centrally, collective and individual.

Let us first connect a few dots of the items in the list above with two vignettes, just to give the flavor of how the idea transcends categories.

\* To figure out why ethics, moral obligations, and skills cannot be easily separable in real life, consider the following. When you tell someone in a position of responsibility, say your bookkeeper, "I trust

you," do you mean that 1) you trust his ethics (he will not divert money to Panama), 2) you trust his

accounting precision, or 3) both? The entire point of the book is that in the real world it is hard to

disentangle ethics on one hand from knowledge and competence on the other.

### PROLOGUE, PART 1 Antaeus Whacked

# Never run away from Mamma—I keep finding warlords—Bob Rubin and his trade—Systems like car accidents

Antaeus was a giant, or rather a semi-giant of sorts, the literal son of Mother Earth, Gaea, and Poseidon, the god of the sea. He had a strange occupation, which consisted of forcing passersby in his country, (Greek) Libya, to wrestle; his thing was to pin his victims to the ground and crush them. This macabre hobby was apparently the expression of filial devotion; Antaeus aimed at building a temple to his father, Poseidon, using for raw material the skulls of his victims.

Antaeus was deemed to be invincible, but there was a trick. He derived his

strength from contact with his mother, Earth. Physically separated from

contact with Earth, he lost all his powers. Hercules, as part of his twelve labors

(in one variation of the tale), had for homework to whack Antaeus. He

managed to lift him off the ground and terminated him by crushing him as his

feet remained out of contact with his mamma.

We retain from this first vignette that, just like Antaeus, you cannot

separate knowledge from contact with the ground. Actually, you cannot

separate *anything* from contact with the ground. And the contact with the real

world is done via skin in the game—having an exposure to the real world, and

paying a price for its consequences, good or bad. The abrasions of your skin

guide your learning and discovery, a mechanism of organic signaling, what the

Greeks called pathemata mathemata ("guide your learning through pain,"

something mothers of young children know rather well). I have shown in

Antifragile that most things that we believe were "invented" by universities

were actually discovered by tinkering and later legitimized by some type of

formalization. The knowledge we get by tinkering, via trial and error,

experience, and the workings of time, in other words, *contact with the earth,* is

vastly superior to that obtained through reasoning, something self-serving institutions have been very busy hiding from us.

Next, we will apply this to what is miscalled "policy making."

#### LIBYA AFTER ANTAEUS

Second vignette. As I am writing these lines, a few thousand years later, Libya, the putative land of Antaeus, now has slave markets, as a result of a failed attempt at what is called "regime change" in order to "remove a dictator." Yes, in 2017, improvised slave markets in parking lots, where captured sub-Saharan Africans are sold to the highest bidders.

A collection of people classified as interventionistas (to name names of people operating at the time of writing: Bill Kristol, Thomas Friedman, and others<u>\*1</u>) who promoted the Iraq invasion of 2003, as well as the removal of the Libyan leader in 2011, are advocating the imposition of additional such regime change on another batch of countries, which includes Syria, because it

has a "dictator."

These interventionistas and their friends in the U.S. State Department helped create, train, and support Islamist rebels, then "moderates," but who eventually evolved to become part of al-Qaeda, the same, very same al-Qaeda

that blew up the New York City towers during the events of September 11,

2001. They mysteriously failed to remember that al-Qaeda itself was composed of "moderate rebels" created (or reared) by the U.S. to help fight Soviet Russia because, as we will see, these educated people's reasoning doesn't entail such recursions.

So we tried *that thing* called regime change in Iraq, and failed miserably. We tried *that thing* again in Libya, and there are now active slave markets in the place. But we satisfied the objective of "removing a dictator." By the exact

same reasoning, a doctor would inject a patient with "moderate" cancer cells to improve his cholesterol numbers, and proudly claim victory after the patient is dead, particularly if the postmortem shows remarkable cholesterol readings. But we know that doctors don't inflict fatal "cures" upon patients, or

don't do it in such a crude way, and there is a clear reason for that. Doctors usually have some modicum of skin in the game, a vague understanding of complex systems, and more than a couple of millennia of incremental ethics determining their conduct.

And don't give up on logic, intellect, and education, because tight but higher order logical reasoning would show that, unless one finds some way to reject all empirical evidence, advocating regime changes implies *also* advocating slavery or some similar degradation of the country (since these have been typical outcomes). So these interventionistas not only lack practical sense, and

never learn from history, but they even fail at pure reasoning, which they

drown in elaborate semiabstract buzzword-laden discourse.

Their three flaws: 1) they think in statics not dynamics, 2) they think in low,

not high, dimensions, 3) they think in terms of actions, never interactions. We

will see in more depth throughout the book this defect of mental reasoning by

educated (or, rather, semi-educated) fools. I can flesh out the three defects for

now.

The first flaw is that they are incapable of thinking in second steps and unaware of the need for them—and about every peasant in Mongolia, every waiter in Madrid, and every car-service operator in San Francisco knows that real life happens to have second, third, fourth, *n* th steps. The second flaw is that they are also incapable of distinguishing between multidimensional

problems and their single-dimensional representations—like multidimensional

health and its stripped, cholesterol-reading reduction. They can't get the idea that, empirically, complex systems do not have obvious one-dimensional cause-and-effect mechanisms, and that under opacity, you do not mess with such a system. An extension of this defect: they compare the actions of the "dictator" to those of the prime minister of Norway or Sweden, not to those of

the local alternative. The third flaw is that they can't forecast the evolution of

those one helps by attacking, or the magnification one gets from feedback.

#### LUDIS DE ALIENO CORI<u>0\*2</u>

And when a blowup happens, they invoke uncertainty, something called a Black Swan (a high-impact unexpected event), after a book by a (very) stubborn fellow, not realizing that one should not mess with a system if the results are fraught with uncertainty, or, more generally, should avoid engaging

in an action with a big downside if one has no idea of the outcomes. What is crucial here is that the downside doesn't affect the interventionist. He continues his practice from the comfort of his thermally regulated suburban house with a two-car garage, a dog, and a small play area with pesticide-free grass for his overprotected 2.2 children.

Imagine people with similar mental handicaps, people who don't understand asymmetry, piloting planes. Incompetent pilots, those who cannot learn from experience, or don't mind taking risks they don't understand, may kill many. But they will themselves end up at the bottom of, say, the Bermuda Triangle, and cease to represent a threat to others and mankind. Not here.

So we end up populating what we call the intelligentsia with people who are

delusional, literally mentally deranged, simply because they never have to pay

for the consequences of their actions, repeating modernist slogans stripped of

all depth (for instance, they keep using the term "democracy" while

encouraging headcutters; democracy is something they read about in graduate

studies). In general, when you hear someone invoking abstract modernistic

notions, you can assume that they got some education (but not enough, or in

the wrong discipline) and have too little accountability.

Now some innocent people-Ezidis, Christian minorities in the Near (and

Middle) East, Mandeans, Syrians, Iraqis, and Libyans—had to pay a price for

the mistakes of these interventionistas currently sitting in comfortable air-

conditioned offices. This, we will see, violates the very notion of justice from

its prebiblical, Babylonian inception—as well as the ethical structure, that underlying matrix thanks to which humanity has survived.

The principle of intervention, like that of healers, is first do no harm

*(primum non nocere)*; even more, we will argue, those who don't take risks should never be involved in making decisions.

Further,

We have always been crazy but weren't skilled enough to destroy

the world. Now we can.

We will return to the "peacemaking" interventionistas, and examine how

their peace processes create deadlocks, as with the Israeli-Palestinian problem.

#### WARLORDS ARE STILL AROUND

This idea of skin in the game is woven into history: historically, all warlords

and warmongers were warriors themselves, and, with a few curious

exceptions, societies were run by risk takers, not risk transferors.

Prominent people took risks—considerably more risks than ordinary

citizens. The Roman emperor Julian the Apostate, about whom much later,

died on the battlefield fighting in the never-ending war on the Persian frontier

- while emperor. One may only speculate about Julius Caesar, Alexander, and

Napoleon, owing to the usual legend-building by historians, but here the proof

is stark. There is no better historical evidence of an emperor taking a frontline

position in battle than a Persian spear lodged in his chest (Julian omitted to

wear protective armor). One of his predecessors, Valerian, was captured on

the same frontier, and was said to have been used as a human footstool by the

Persian Shapur when mounting his horse. And the last Byzantine emperor,

Constantine XI Palaeologus, was last seen when he removed his purple toga,

then joined Ioannis Dalmatus and his cousin Theophilus Palaeologus to charge

Turkish troops with their swords above their heads, proudly facing certain

death. Yet legend has it that Constantine had been offered a deal in the event

of a surrender. Such deals are not for self-respecting kings.

These are not isolated anecdotes. The statistical reasoner in this author is

quite convinced: less than a third of Roman emperors died in their beds—and

one can argue that given that only few of these died of really old age, had they

lived longer, they would have fallen either to a coup or in battle.

Even today, monarchs derive their legitimacy from a social contract that

requires physical risk-taking. The British Royal family made sure that one of

its scions, Prince Andrew, took more risks than "commoners" during the

Falkland war of 1982, his helicopter being in the front line. Why? Because

noblesse oblige; the very status of a lord has been traditionally derived from

protecting others, trading personal risk for prominence—and they happened to

still remember that contract. You can't be a lord if you aren't a lord.

#### THE BOB RUBIN TRADE

Some think that freeing ourselves from having warriors at the top means

civilization and progress. It does not. Meanwhile,

Bureaucracy is a construction by which a person is conveniently separated from the consequences of his or her actions.

And, one may ask, what can we do since a centralized system will necessarily need people who are not directly exposed to the cost of errors? Well, we have no choice but to decentralize or, more politely, to localize; to have fewer of these immune decision makers.

Decentralization is based on the simple notion that it is easier to macrobull\*\*\*t than microbull\*\*\*t.

Decentralization reduces large structural asymmetries.

But not to worry, if we do not decentralize and distribute responsibility, it will

happen by itself, the hard way: a system that doesn't have a mechanism of skin

in the game, with a buildup of imbalances, will eventually blow up and self-

repair that way. If it survives.

For instance, bank blowups came in 2008 because of the accumulation of

hidden and asymmetric risks in the system: bankers, master risk transferors,

could make steady money from a certain class of concealed explosive risks,

use academic risk models that don't work except on paper (because academics

know practically nothing about risk), then invoke uncertainty after a blowup

(that same unseen and unforecastable Black Swan and that same very, very stubborn author), and keep past income—what I have called the Bob Rubin trade.

The Bob Rubin trade? Robert Rubin, a former Secretary of the United States Treasury, one of those who sign their names on the banknote you just used to pay for coffee, collected more than \$120 million in compensation from Citibank in the decade preceding the banking crash of 2008. When the bank, literally insolvent, was rescued by the taxpayer, he didn't write any check—he invoked uncertainty as an excuse. Heads he wins, tails he shouts "Black Swan." Nor did Rubin acknowledge that he transferred risk to taxpayers: Spanish grammar specialists, assistant schoolteachers, supervisors in tin can factories, vegetarian nutrition advisors, and clerks for assistant district attorneys were "stopping him out," that is, taking his risks and paying

for his losses. But the worst casualty has been free markets, as the public, already prone to hating financiers, started conflating free markets and higher order forms of corruption and cronyism, when in fact it is the exact opposite: it is government, not markets, that makes these things possible by the mechanisms of bailouts. It is not just bailouts: government interference in general tends to remove skin in the game.

The good news is that in spite of the efforts of a complicit Obama

administration that wanted to protect the game and the rent-seeking bankers,  $\underline{*3}$ 

the risk-taking business started moving toward small independent structures known as hedge funds. The move took place mostly because of the overbureaucratization of the system as paper shufflers (who think work is mostly about paper shuffling) overburdened the banks with rules—but somehow, in the thousands of pages of additional regulations, *they avoided considering skin in the game*. In the decentralized hedge fund space, on the other hand, owner-operators have at least half of their net worth in the funds, making them relatively more exposed than any of their customers, and they personally go down with the ship.

#### SYSTEMS LEARN BY REMOVING

Now, if you are going to highlight only one single section from this book, here

is the one. The interventionista case is central to our story because it shows

how absence of skin in the game has both ethical and epistemological effects

(i.e., related to knowledge). We saw that interventionistas don't learn *because* 

they are not the victims of their mistakes, and, as we hinted at with pathemata

mathemata:

The same mechanism of transferring risk also impedes learning.

More practically,

You will never fully convince someone that he is wrong; only reality can.

Actually, to be precise, reality doesn't care about winning arguments: survival is what matters.

For

The curse of modernity is that we are increasingly populated by a

class of people who are better at explaining than understanding,

or better at explaining than doing.

So learning isn't quite what we teach inmates inside the high-security

prisons called schools. In biology, learning is something that, through the filter

of intergenerational selection, gets imprinted at the cellular level—skin in the

game, I insist, is more filter than deterrence. Evolution can only happen if risk

of extinction is present. Further,

There is no evolution without skin in the game.

This last point is quite obvious, but I keep seeing academics with no skin in the game defend evolution while at the same time rejecting skin in the game and risk sharing. They refuse the notion of *design* by a creator who knows everything, while, at the same time, want to impose human *design* as if they knew all the consequences. In general, the more people worship the sacrosanct

state (or, equivalently, large corporations), the more they hate skin in the game. The more they believe in their ability to forecast, the more they hate skin in the game. The more they wear suits and ties, the more they hate skin in

the game.

Returning to our interventionistas, we saw that people don't learn so much from their—and other people's—mistakes; rather it is the system that learns by selecting those less prone to *a certain class* of mistakes and eliminating others.

Systems learn by removing parts, via negativa.\*4

Many bad pilots, as we mentioned, are currently in the bottom of the

Atlantic, many dangerous bad drivers are in the local quiet cemetery with nice

walkways bordered by trees. Transportation didn't get safer just because people *learn* from errors, but because the system does. The experience of the system is different from that of individuals; it is grounded in filtering.

To summarize so far,

Skin in the game keeps human hubris in check.

Let us now go deeper with the second part of the prologue, and consider the notion of symmetry.

<u>\*1</u> Interventionistas have in common one main attribute: they are usually not weight lifters.

\*2\_Playing with others' lives.

<u>\*3</u>*Rent-seeking* is trying to use protective regulations or "rights" to derive income without adding anything to economic activity, not increasing the wealth of others. As Fat Tony (who will be

introduced a few pages down) would define it, it is like being forced to pay protection money to the

Mafia without getting the economic benefits of protection.

<u>\*4</u> *Via negativa:* the principle that we know what is wrong with more clarity than what is right, and that knowledge grows by subtraction. Also, it is easier to know that something is wrong than to find the fix.

Actions that remove are more robust than those that add because addition may have unseen,

complicated feedback loops. This is discussed in some depth in Antifragile.

### PROLOGUE, PART 2 A Brief Tour of Symmetry

Meta-experts judged by meta-meta-experts—Prostitutes, nonprostitutes, and

amateurs—The French have this thing with Hammurabi—Dumas is always an

exception

#### I. FROM HAMMURABI TO KANT

Skin-in-the-game-style symmetry, until the recent intellectualization of life, had been implicitly considered the principal rule for organized society, even for any form of collective life in which one encounters or deals with others more than once. The rule had to even precede human settlement since it prevails in a sophisticated, very sophisticated, form in the animal kingdom. Or, to rephrase, it *had to* prevail there or life would have been extinct—risk transfer blows up systems. And the very idea of law, divine or otherwise, resides in fixing imbalances and remedying such asymmetries. Let us briefly travel the road from Hammurabi to Kant, where the rule gets refined along with civilized life.

#### Hammurabi in Paris

Hammurabi's law was posted on a basalt stele around 3,800 years ago in a central public place in Babylon, so every literate person could read it, or, rather, read it to others who couldn't read. It contains 282 laws and is deemed

to be the first codification of our rule extant. The code has one central theme:

it establishes symmetries between people in a transaction, so nobody can

transfer hidden *tail* risk, or Bob Rubin–style risks. Yes, the Bob Rubin trade is

3,800 years old, as old as civilization, and so are the rules to counter it.

What is a tail? Take for now that it is an extreme event of low frequency. It

is called a "tail" because, in drawings of bell-curve style frequencies, it is located to the extreme left or right (being of low frequency), and for some reason beyond my immediate understanding, people started calling that a "tail"

and the term stuck.

Hammurabi's best known injunction is as follows: "If a builder builds a house and the house collapses and causes the death of the owner of the house —the builder shall be put to death."

For, as with financial traders, the best place to hide risks is "in the corners," in burying vulnerabilities to rare events that only the architect (or the trader) can detect—the idea being to be far away in time and place when blowups happen. As one old alcoholic ruddy-faced English banker told me when I graduated from school, volunteering career advice: "I give *long*-term loans only. When they mature I want to be *long* gone. And only reachable *long* distance." He worked for international banks and survived playing his trick by

changing country every five years, and, from what I recall, he also changed wives every ten years and banks every twelve. But he didn't have to go hide very far or very deeply underground: nobody until very recently clawed back (that is, reclaimed) the past bonuses of bankers when something subsequently

went wrong. And, not unexpectedly, it was the Swiss who started clawing

back, in 2008.

The well-known *lex talionis,* "an eye for one eye," comes from Hammurabi's rule. It is metaphorical, not literal: you don't have to actually remove an eye—hence the rule is much more flexible than it appears at first glance. For, in a famous Talmudic discussion (in *Bava Kamma*), a rabbi argues that if one followed the letter, the one-eyed would only pay half the punishment if he blinds a two-eyed person, and the blind would go scot-free.

Or what if a small person kills a hero? Likewise, you do not need to amputate

the leg of the reckless doctor who cut the wrong leg: the tort system, through

courts, not regulation, thanks to the efforts of Ralph Nader, will impose some

penalty, enough to protect consumers and citizens from powerful institutions.

Clearly the legal system might produce some irritants (particularly with torts)

and has its class of rent-seekers, but we are vastly better off complaining

about lawyers than complaining about not having them.

More practically, some economists have been trying to blame me for

wanting to reverse the bankruptcy protection offered in modern times; some

even accused me of wanting to bring back the guillotine for bankers. I am not

*that* literal: it is just the matter of inflicting *some* penalty, just enough to make

the Bob Rubin trade less attractive, and protect the public.

Now, for some reason that escapes me, one of those strange things one finds only in France, Hammurabi's code, a stele in gray-black basalt, resides in

the Louvre Museum in Paris. And the French, who normally know about a lot

of things we don't know much about, don't seem to know about it; only Korean visitors with selfie sticks appear to have heard of the place.

On my penultimate pilgrimage to the site, I happened to lecture French financiers in a conference room in the museum building about the ideas of this book, and the notion of skin in the game. I was speaking right after the man who, in spite of looks (and personality) quite similar to those found in Mesopotamian statues, epitomizes absence of skin in the game: former Federal Reserve governor Ben Bernanke. To my sorrow, when I publicly questioned the audience, using the irony of the situation, namely that almost four millennia ago we were sort of more sophisticated with these things, and that the monument was 300 feet from where I was lecturing, nobody in the room, in spite of the high culture of French financiers, figured out what I was

talking about. Nobody was aware of Hammurabi beyond some player in Mesopotamian geopolitics, or suspected his connection to skin in the game and the accountability of bankers. Table 1 shows the progression of the rules of symmetry from Hammurabi onward, so let us climb the ladder.

FROM TALEB AND SANDIS, 2016				
HAMMURABI/ LEX TALIONIS	15TH LAW OF HOLI- NESS AND JUSTICE	SILVER RULE	GOLDEN RULE	FORMULA OF THE UNIVERSAL LAW
"An eye for an eye, a tooth for a tooth" (Hammurabi, Exodus 21.24)	"Love your neighbor as yourself" (Leviticus 19.18)		"Do unto others as you would have them do unto you" (Matthew 7:12)	"Act only in accor- dance with that maxim through which you can at the same time will that it will become a universal law." (Kant 1785: 4:421)

#### Silver Beats Gold

We rapidly go through the rules to the right of Hammurabi. Leviticus is a

sweetening of Hammurabi's rule. The Golden Rule wants you to *Treat* others

*the way you would like them to treat you*. The more robust Silver Rule says *Do* 

not treat others the way you would not like them to treat you. More robust?

How? Why is the Silver Rule more robust?

First, it tells you to mind your own business and not decide what is "good"

for others. We know with much more clarity what is bad than what is good.

The Silver Rule can be seen as the Negative Golden Rule, and as I am shown

by my Calabrese (and Calabrese-speaking) barber every three weeks, via

*negativa* (acting by removing) is more powerful and less error-prone than *via* 

positiva (acting by addition<u>\*1)</u>.

Now a word about the "others" in treat others. "You" can be singular or

plural, hence it can designate an individual, a basketball team, or the Northeast

Association of Calabrese-Speaking Barbers. Same with the "others." The idea

is fractal, in the sense that it works at all scales: humans, tribes, societies,

groups of societies, countries, etc., assuming each one is a separate standalone

unit and can deal with other counterparts as such. Just as individuals should

treat others the way they would like to be treated (or avoid being mistreated),

families as units should treat other families in the same way. And, something

that makes the interventionistas of Prologue 1 even more distasteful, so should

countries. For Isocrates, the wise Athenian orator, warned us as early as the

fifth century B.C. that nations should treat other nations according to the Silver

Rule. He wrote:

"Deal with weaker states as you think it appropriate for stronger states to deal with you."

Nobody embodies the notion of symmetry better than Isocrates, who lived more than a century and made significant contributions when he was in his nineties. He even managed a rare dynamic version of the Golden Rule: "Conduct yourself toward your parents as you would have your children conduct themselves toward you." We had to wait for the great baseball coach Yogi Berra to get another such dynamic rule for symmetric relations: "I go to other people's funerals so they come to mine."

More effective, of course, is the reverse direction, to treat one's children the way one wished to be treated by one's parents.  $\underline{*2}$ 

The very idea behind the First Amendment of the Constitution of the United States is to establish a silver rule–style symmetry: you can practice your freedom of religion so long as you allow me to practice mine; you have the right to contradict me so long as I have the right to contradict you.

Effectively, there is no democracy without such an unconditional symmetry in

the rights to express yourself, and the gravest threat is the slippery slope in the

attempts to limit speech on grounds that some of it may hurt some people's

feelings. Such restrictions do not necessarily come from the state itself, rather

from the forceful establishment of an intellectual monoculture by an

overactive *thought police* in the media and cultural life.

#### Fuhgetaboud Universalism

By applying symmetry to relations between individual and collective, we get

virtue, classical virtue, what is now called "virtue ethics." But there is a next

step: all the way to the right of Table 1 is Immanuel Kant's categorical

imperative, which I summarize as: *Behave as if your action can be generalized* 

*to the behavior of everyone in all places, under all conditions*. The actual text is

more challenging: "Act only in accordance with that maxim through which

you can at the same time will that it will become a universal law," Kant wrote

in what is known as the first formulation. And "act in such a way that you treat

humanity, whether in your own person or in the person of any other, never

merely as a means to an end, but always at the same time as an end," in what is

known as the second formulation.

Formulation shmormulation, fughedaboud Kant as it gets too complicated

and things that get complicated have a problem. So we will skip Kant's drastic

approach for one main reason:

Universal behavior is great on paper, disastrous in practice.

Why? As we will belabor ad nauseam in this book, we are local and

practical animals, sensitive to scale. The small is not the large; the tangible is not the abstract; the emotional is not the logical. Just as we argued that micro works better than macro, it is best to avoid going to the very general when saying hello to your garage attendant. We should focus on our immediate environment; we need simple practical rules. Even worse: the general and the

abstract tend to attract self-righteous psychopaths similar to the

interventionistas of Part 1 of the Prologue.

In other words, Kant did not get the notion of scaling-yet many of us are

victims of Kant's universalism. (As we saw, modernity likes the abstract over

the particular; social justice warriors have been accused of "treating people as

categories, not individuals.") Few, outside of religion, really got the notion of

scaling before the great political thinker Elinor Ostrom, about whom a bit in

Chapter 1.

In fact, the deep message of this book is the danger of universalism taken two or three steps too far—conflating the micro and the macro. Likewise the crux of the idea of *The Black Swan* was *Platonification*, missing central but hidden elements of a thing in the process of transforming it into an abstract construct, then causing a blowup.

#### **II. FROM KANT TO FAT TONY**

Let us move to the present, to the transactional, highly transactional present. In

New Jersey, symmetry can simply mean, in Fat Tony's terms: *don't give crap*,

don't take crap. His more practical approach is

Start by being nice to every person you meet. But if someone tries to exercise power over you, exercise power over him.

Who is Fat Tony? He is a character in the Incerto who, in demeanor,

behavior, choices under uncertainty, conversation, lifestyle, waist size, and

food habits would be the exact opposite of your State Department analyst or

economics lecturer. He is also calm and unfazed unless one really gets him

angry. He became wealthy by helping people he generically calls "the suckers"

separate from their funds (or, as is often the case, those of their clients, as

these people often gamble with other people's money).

This symmetry thing happens to link directly to my own profession: option

trader. In an option, one person (the buyer of the option), contractually has the

upside (future gains), the other (the seller) has a liability for the downside

(future losses), for a pre-agreed price. Just as in an insurance contract, where risk is transferred for a fee. Any meaningful disruption of such symmetry—

with transfer of liabilities—invariably leads to an explosive situation, as we saw with the economic crisis of 2008.

This symmetry thing also concerns the alignment of interests in a transaction. Let us refresh earlier arguments: if bankers' profits accrue to them, while their losses are somewhat quietly transferred to society (the Spanish grammar specialists, assistant schoolteachers...), there is a fundamental problem by which hidden risks will continuously increase, until the final blowup. Regulations, while appearing to be a remedy on paper, if anything, exacerbate the problem as they facilitate risk-hiding. Which brings us to what is known as the agency problem.

#### Crook, Fool, or Both

One practical extension of the Silver Rule (as a reminder, it is the one that says *Do not do to others what you don't want them to do to you*): *Avoid taking advice from someone who gives advice for a living, unless there is a penalty for their advice.* 

Recall the earlier comment on how "I trust you" straddles both ethics and knowledge. There is always an element of fools of randomness and crooks of

randomness in matters of uncertainty; one has a lack of understanding, the

second has warped incentives. One, the fool, takes risks he doesn't understand,

mistaking his own past luck for skills, the other, the crook, transfers risks to

others. Economists, when they talk about skin in the game, are only concerned

with the second.

Let us flush out the idea of agency, well-known and studied by insurance

companies. Simply, you know a lot more about your health than any insurer

would. So you have an incentive to get an insurance policy when you detect an

illness before someone else knows about it. By getting insured when it fits

you, not when you are healthy, you end up costing the system more than you

put into it, hence causing a raise in premia paid by all sorts of innocent people

(including, again, the Spanish grammar specialists). Insurance companies have

filters such as high deductibles and other methods to eliminate such

imbalances.

The agency problem (or principal-agent problem) also manifests itself in

the misalignment of interests in transactions: a vendor in a one-shot

transaction does not have his interests aligned to yours—and so can hide stuff

from you.

But disincentive is not enough: the fool is a real thing. Some people do not know their own interest—just consider addicts, workaholics, people trapped