Basics of Investing

Ravi Shukla Associate Professor of Finance Syracuse University

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Investing

Setting money aside now with the expectation of getting back more in the future

Objective of investing
Make more money
without breaking laws
or being unethical

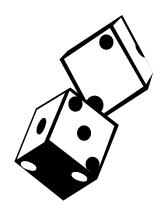
Basics of Investing

Risk
Diversification
Expenses and Taxes
Compounding

Risk

Uncertainty about profits







All investments have risk

Which investment do you like?			
	1	2	3
Heads	10%	15%	30%
Tails	10%	5%	-10%
Average	10%	10%	10%

		1	2	3
Round		\$100.00	\$100.00	\$100.00
1	Heads	110.00	115.00	130.00
2	Heads	121.00	132.25	169.00
3	Tails	133.10	138.86	152.10
4	Tails	146.41	145.81	136.89
5	Heads	161.05	167.68	177.96
6	Tails	177.16	176.06	160.16
7	Tails	194.87	184.86	144.15
8	Heads	214.36	212.59	187.39

Now which investment do you like?			
	1	2	3
Heads	10%	20%	40%
Tails	10%	2%	-14%
Average	10%	11%	13%

		1	2	3
Round		\$100.00	\$100.00	\$100.00
1	Heads	110.00	120.00	140.00
2	Heads	121.00	144.00	196.00
3	Tails	133.10	146.88	168.56
4	Tails	146.41	149.82	144.96
5	Heads	161.05	179.78	202.95
6	Tails	177.16	183.38	174.53
7	Tails	194.87	187.04	150.10
8	Heads	214.36	224.45	210.14

Risk

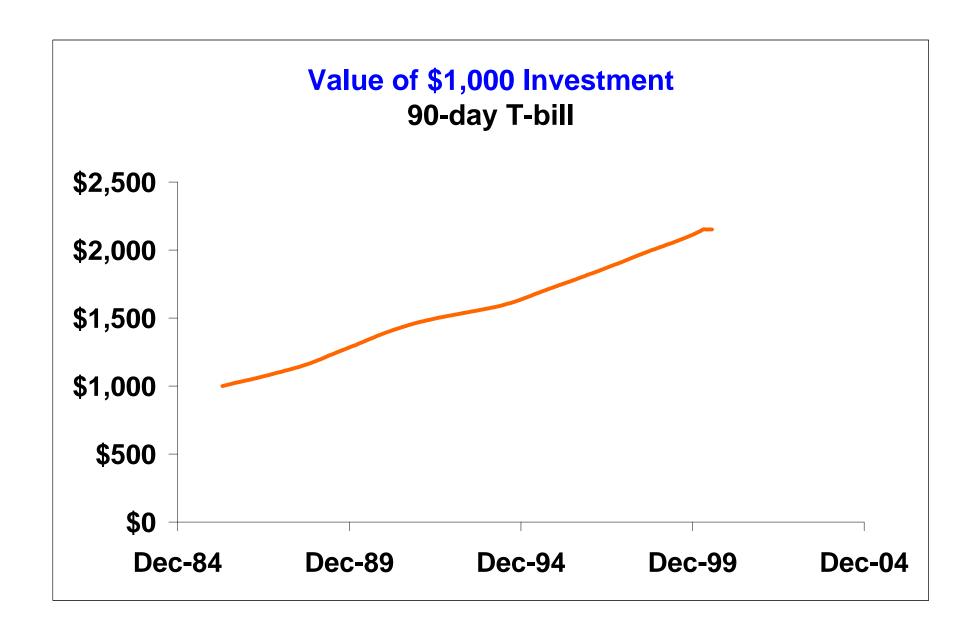
Low risk
Smooth "ride"

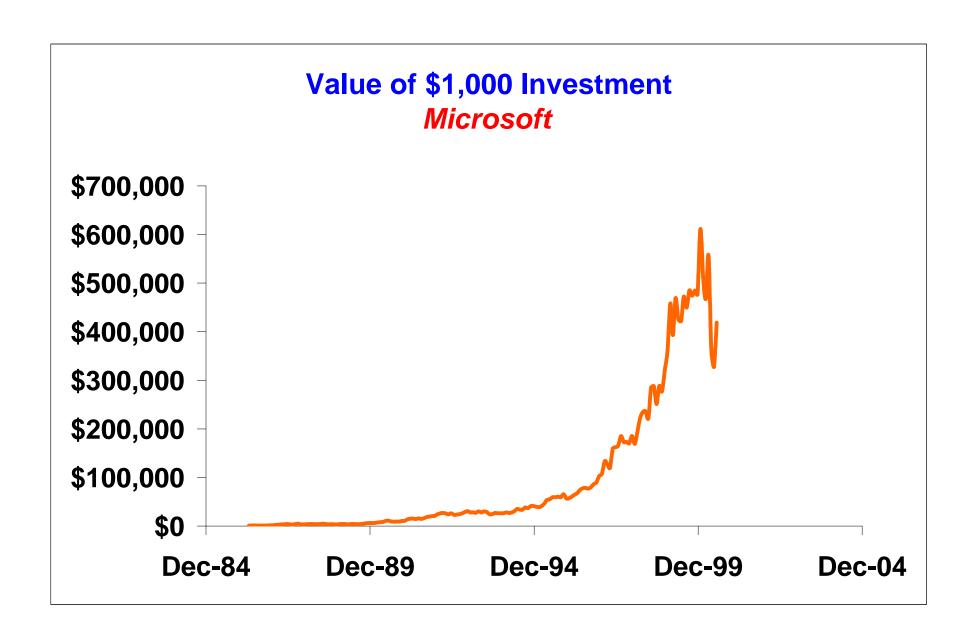
High risk
Bumpy, scary "ride"
Potential for huge profits and disasters

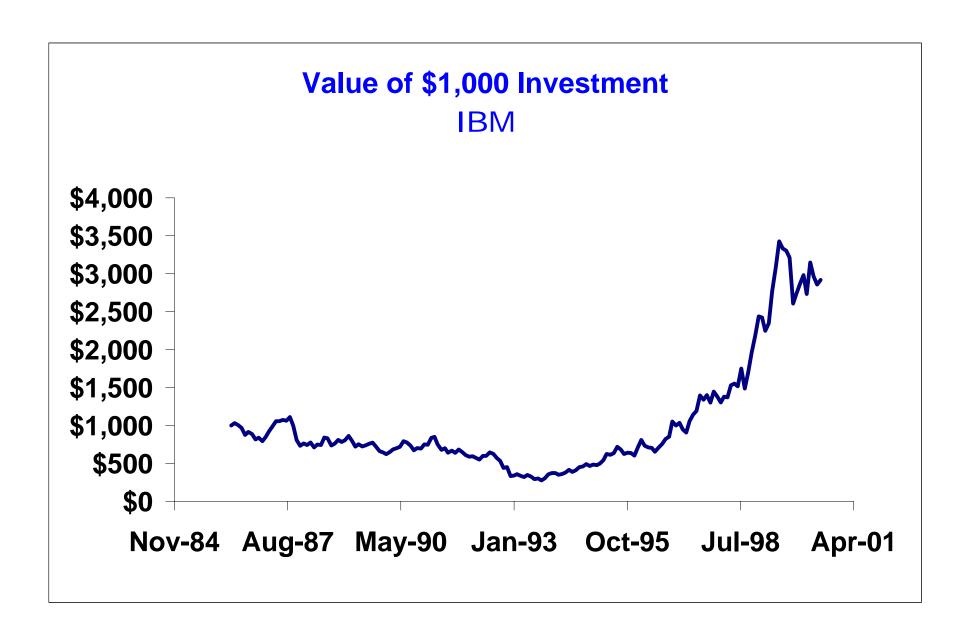
Want to earn higher average return?

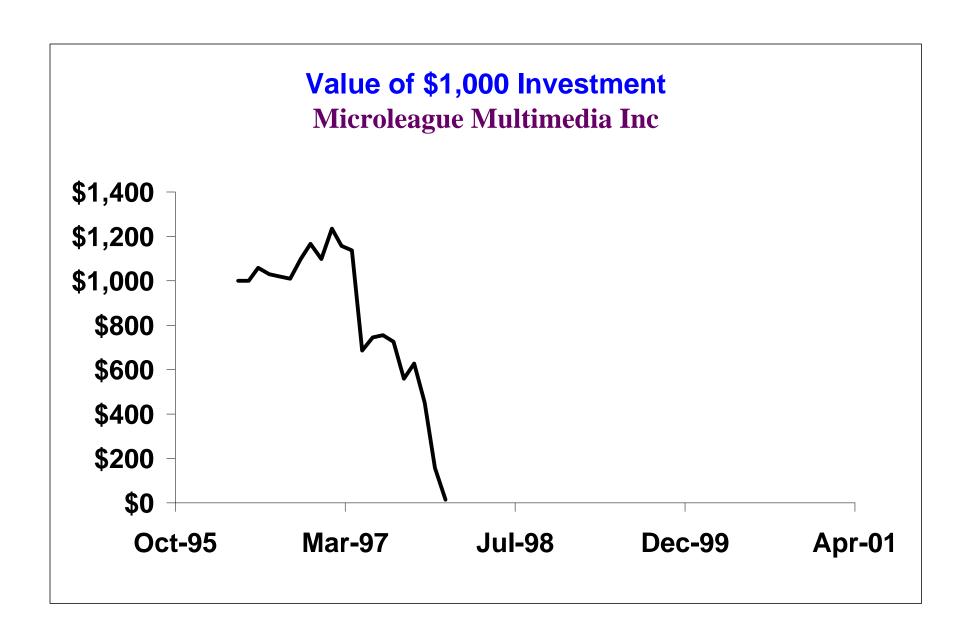
Take higher risk

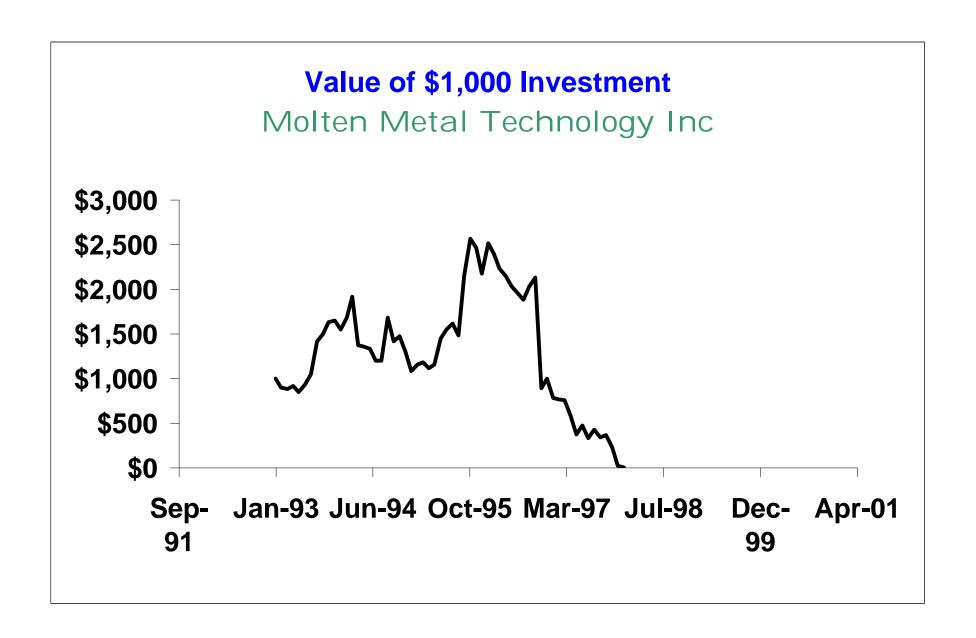
Find your level of comfort











Lesson 1

Two ways to become wealthy by investing Patiently
Make low risk investments
Become rich slowly
Quickly
Make high risk investments
Potential to become rich quickly
Can also go bankrupt quickly

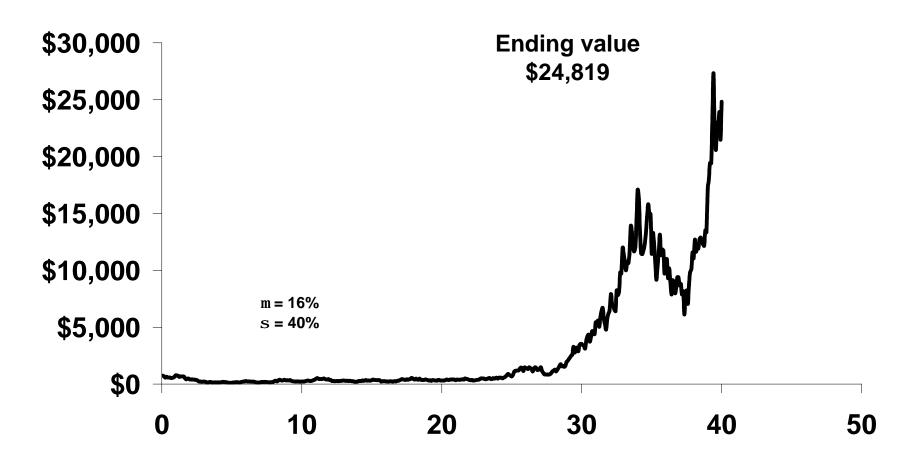
Diversification

Spread risk across investments

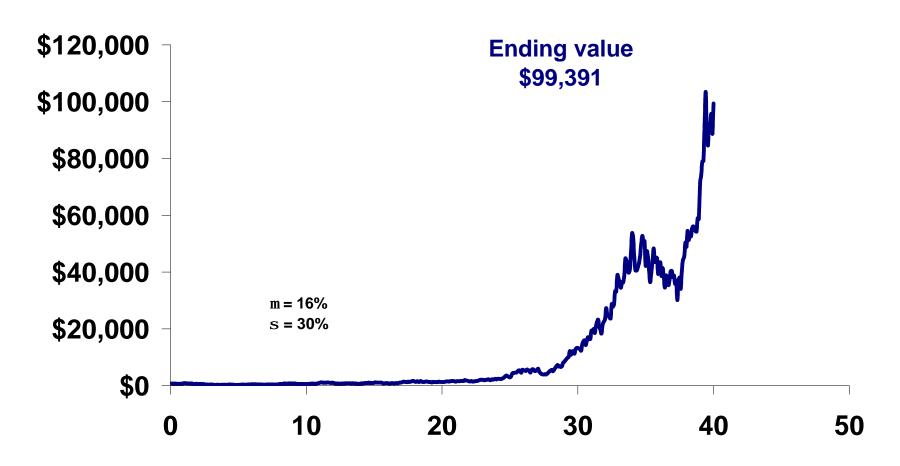
Some may go down, others will go up

The ride will be smoother than investing in a single investment by itself

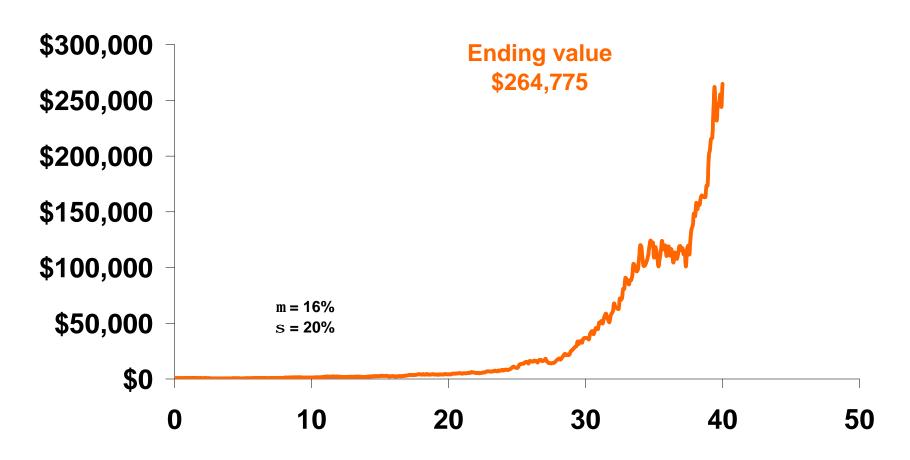
Value of \$1,000 Investment Low Diversification

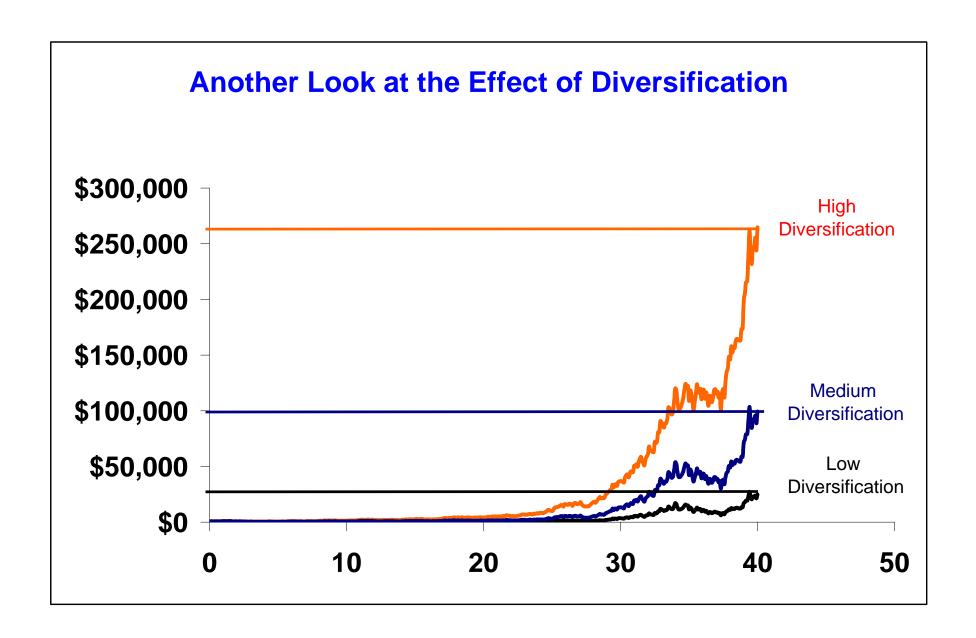


Value of \$1,000 Investment Medium Diversification



Value of \$1,000 Investment High Diversification





Lesson 2

Diversify

How?
Mutual funds

Possible to "Pick" Stocks?

Maybe once in a while Not consistently

Some people may be gifted or may have hot hand streaks

It's tougher to "pick" gifted people or assess how long the streak will last

Lesson 3

Don't expect extraordinary performance from mutual funds

Don't invest in mutual funds that charge high fees

You will just make fund managers richer

Evidence on the Impact of Mutual Fund Costs on Returns

U.S. Domestic Equi that have existed for at 1			
Data Source: Morningstar,	March 31	, 2000	
		Pure	
	Load	No Load	
N	477	309	
Returns Not Adjuste	d for Loa	ıd	
These returns are net of mutu	ıal fund e	expenses	
but not transaction fees (front	end and	deferred	
loads).			
12 Mo	29.06%	26.18%	
3 Yr (Annualized)	22.21%	20.97%	
5 Yr (Annualized)	20.67%	20.15%	
10 Yr (Annualized)	15.87%	15.45%	
15 Yr (Annualized)	15.50%	14.89%	
Load Adjusted Returns			
These returns are net of mutu	ıal fund e	expenses	
as well as transaction fees (fro	nt-end an	d deferred	
loads).			
12 Mo	23.94%	26.17%	
5 Yr (Annualized)	19.76%	20.15%	
10 Yr (Annualized)	15.44%	15.45%	
Since inception (Annualized)	13.61%	14.37%	
Fees, Expenses, etc.			
Front load	3.66%	0.00%	
Deferred load	0.57%	0.00%	
12(b)-1 fees	0.31%	0.00%	
• •		-	

1.30%

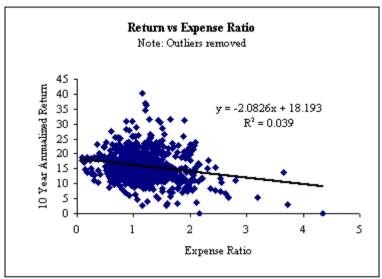
6.4

1.08%

Expense ratio

Manager tenure (years)

This chart shows the relationship between returns (net of mutual fund expenses but not transaction fees) and expense ratios.



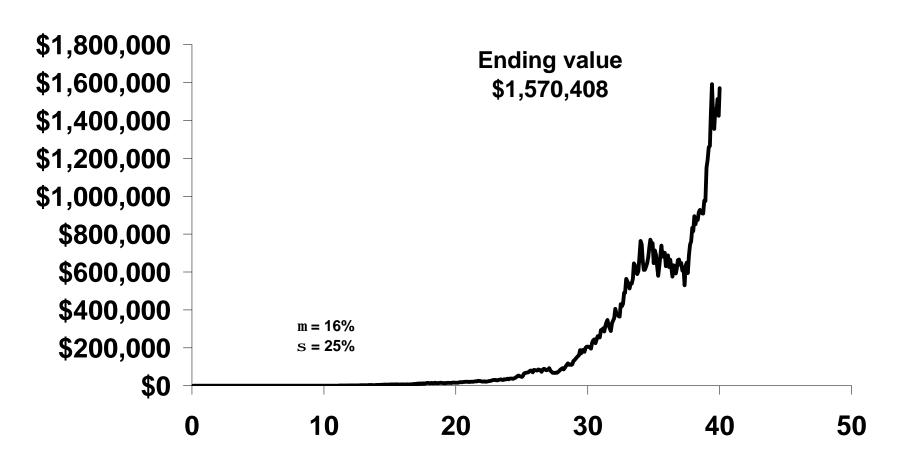
Data Source: Morningstar, March 31, 2000

The Power of Compounding

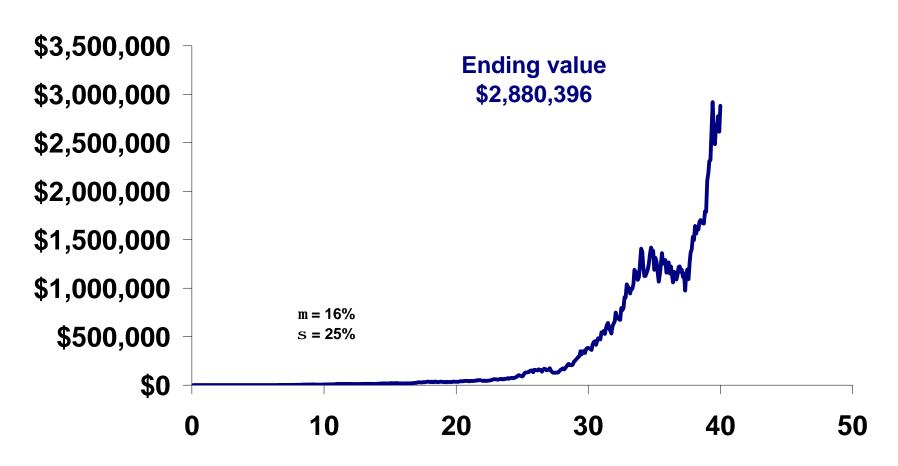
Compounding?
Interest on interest

The longer you invest, the more interest on interest you earn

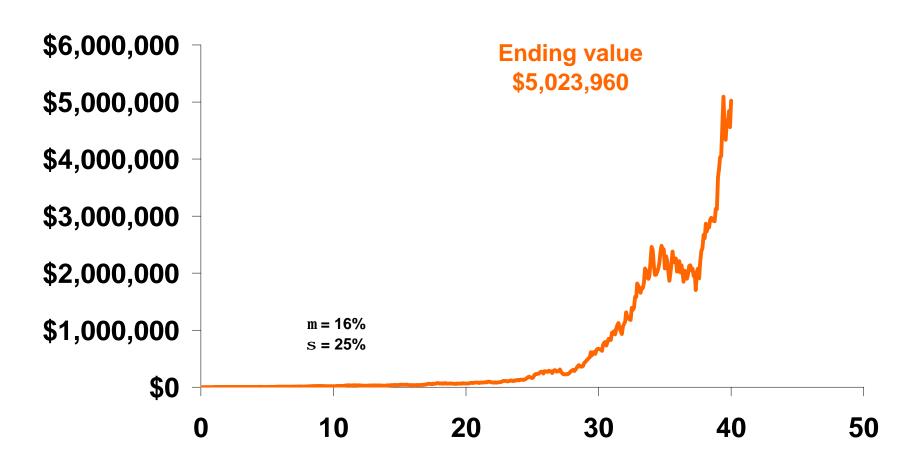
Value of \$100 Monthly Investment Delay 10 Years

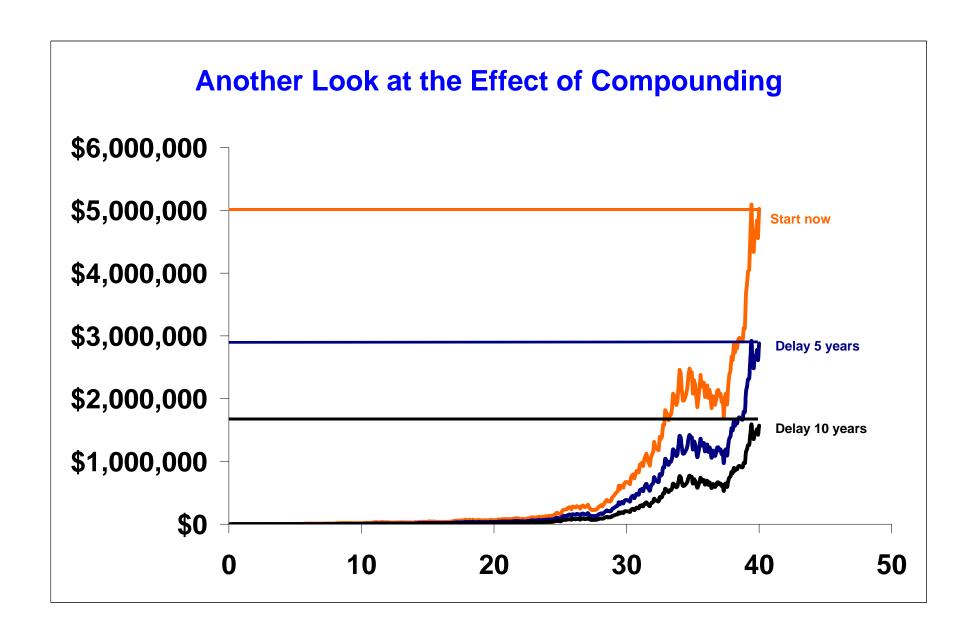


Value of \$100 Monthly Investment Delay 5 Years



Value of \$100 Monthly Investment Start Now





Lesson 4

Start early

The longer you wait, the more you lose

Recap

- 1. Take some risk
- 2. Diversify using mutual funds
- 3. Don't pay high management fees
- 4. Start now