

Figure 8-4: ////////////////////////////////////	11/1/	ex: Using 8-4, Cale	Vlate Er (10)	exilusing 8-4	1, Calculate St	landard deviati	on of stocks	A/B (21) *Ante
Probability: Stock A Er: Stoc	k BEr!	for each stock	100	OA =)0.1(60-10)2	+0.2(20-10)2+0.5(10-10)2+0.2(-25-10)	= 22.690/0	: Stock A is
	50%	$ER_{A} = 0.1(60) + 0.2(20) + 0.5(10) + 0.2(-25) = 100/6$ $ER_{B} = 0.1(6) + 0.2(20) + 0.5(5) + 0.2(0) = 80/6$ $O_{B} = \int 0.1(5-8)^{2} + 0.2(25-8)^{2} + 0.2(0-8)^{2} + 0.2(0-8)^{2} = 2.720/6$ $Riskier$						
0.2 20%	25-6	exilusing 8-4 est	imate Er for a 1	Portfolio (22)	ex: using 8-	y estimate.	the covariance	e (23)
0.5 10%	50/0	exilusing 8-4, est	stock a and \$1400	in stock B	for stocks A	and B	100 011 011 011 1	14- 0
0,2 -250/0 00/0		Portfolio value = \$600 +11400 = \$2000			COVAR = 0,1(60-10)(5-8) +0,2(10-10)(25-8)+0,5(10-10)(5-8)			
Benefits of Investment Funds:		WA = 600 = 0.3, ERP = 0.3(100/6) + 0.7(80/6) = 8.60/6			+0.2(-25-10)(0-8)= >50/0			
*Diversification		WB = 1400 = 0.7 * notice in between 8 and 100/0			exiving the covariance estimate above, determine the			
e Ligurolity					Standard deviation of a portfolio with 30% in 24			
e Professional Managment		Net of a NAV = Market value of accets - Liabilities Asset unit # of chares outstanding			$\sigma_{p} = \int (0.3)^{2} (22.69)^{2} + (0.7)^{2} (8.72)^{2} + 2(0.3)(0.7)(75) = 10.730/6$			
					77777777		1	ETF
		Print and distribute currency emanages				Closed-end	open-end	
eleads: Front end = pory ob up front		* Conduct Monetary Policy Gout, deposits			where Traded	exchange	fund through	(exchange) Better Liquidity
Back End = pay ofo when you take out &		· Ensure Financial Stability				(Real estate)	brokers or direct	Better Liquidity Low costs Lower toxes
1. Both and up in same Place		tid more and Gald, problem is they can			44 61	c'v. I	cl . Daily	Changes inflequely
		trint unlimited of it. Not backed.			# Shores	Fixed	Changes Daily	When accredited
net Returns		Seignierage: profit made by sout issuing						investors trades
Mutual Fund Restrictions:		currency. Difference between face value				6 /5 1.41/	P= VAV	Par wall
= Con't borrow		and production	costs		Price	PZ>NAV		PENAV
e Can't go short		Money is Valuab		Policy is designed	6:	hold illiquid	many enterolies	many categories
		omeans of exchi		, stable inflation		o.ssets		
· Can't buy commodities		eunit of mensus	rement Maintain	Purchasing Power	11 11.	No need to	have to hold	doesn't cash
-hedge underlying risk		ostere of vale	le Bank of	Canada targets not money supply	240191995	hold cash	Cash	out redemptions
- create synthetic secon	111111		1-cole Overalah	+ rate (Policy rate	1,		TEMEL YOU	Low, no forx
Hedge Funds (less replated):		coste charact to	other banks,		Costs/Tolx	Low, no forced	Forced fox	
		Bonk of Canada targets Overnight rate (Policy rate), rate charges to other banks, -Governing Council determines Bank Rate			1	†n×		
o min avy investment &mil		exila comp is expected to pay a dividend of \$1.00 is 0.927644. The present value of a dollar 2 yrs						
· High fees · Long-Term commitment		at the end of this year, a 91.50 dividend at the from now is p. 854172. What is the price of a						
	Jend of you and a \$2.00 dividend out the best that are a mile of 701							
3 basic measures browde	is commende will							
* Standing liquidity facility	thereafter Determine the market price of part price some assemble and assemble and							
" = mergency lending assistance		this compenies common shares if the required						
oterm purchase and resale	org reemin	grate of return	15 119/0		PMT=70	YTM-8.19	90	= Maturity
			= \$2,00 (1+104) =	\$2,08 MSG	16 A=-458.40	PV = ET	C++ P	P= Face Value V= Market Price
1 Interest is compensation		D2 = \$1.50	= 2.08 = \$29	.71 (4)	FV=1000			
of money owed to		1 13 - 87			ex: XYZ Corpor	ntion raised cop	Shorpe of co	moren Stock
another		9 = 0.64 Po= "	1.00 + 1.50 + 2.0	140.113 = \$25,3	Outstanding. I	+ also has bom	, term bonds	outstanding
2) Interest must be referable				_		340 MILL CUPBAS	F- AV 6 12 P	
to a principal sum	Bullet Pay	ment (Ballown pyon):	Interest rates = TB	and Price Free	is expected to	remain to	Emil, and this	free cosh
	in one lua	payment made :	Longer the time none sensitive bo	is to The	liseount rate	is 20/0, W/	hat is XVZ	Share price?
Cay to Bry	Bond Ind	enfuse: Uspal Locument; c	hange in market	1 1 4 4	tal comp Valu			
promisel viell anoted interest	that con	4 - 1	Net Present Voll	ve:		108		
-1 . 100	Elwier	Contract of the contract of th			lue of equity	: 62.5mil-20m	11 = 42.5mil	
Bankers Acceptance : snort Term	acto to	ensure interests	(1467) (14672 +	sh	are Price! 4	No. of Concession, Name of		
	are upha	1.1.1.21.000	Profitability Inde	JK!		3 mil		
Pay off the debt instrument	that lay	, aut legal rights	PI = PULCACH INCL	ins)			. (1	
defaults	of bond	tholder	Sustainable Growth	Rate: Hol	lding Yield Mar	ket price of pre-	interest lave reful	ns is simply
Prime Lending Autor interest cate	mortgag	a Bondi debt instruments	g = b · ROE,	Pe	etern Marturity rate	es decline:	returns,	Standard
		POE = NPM. TUrnover Paties Leverage		ly is held to The	quoted price of a	band deviortion	in goes down	
standard cost of an operating	Debanto			il an annul mo	aturity when	n bond is sold or	on the	you add
the of credit	general			N. 10-11	determine the mi	irket trice	, ,	exercise anytime
Floating Interest Rote: interes	Callabla	Bonli bonds that	for net profit many	inturiorer of	or \$50 par value are that pays are	preferre &	European	conly on expiration
rate that changes regularly	0.40. 1	ssuer option to call	ratio and leverage	A land ba	sel on a 40% DD	rate when trades	\ D:V-0	end yield!
Covenants: call Prizes: prices	Converti	ble Bonds: bonds	the fires evetail	noble growth ma	rket rates are = 501.04 = \$2.00	60/0 (G) eValue	Funds Des	Current DO
Promises or generally ont a	that c	or be converted	rate;		s = 0.00 = \$40.00		h Fonds	Current Chare
restrictions premium over par	Sinking	Fund Provision	ROE= (0.04)(1.25)(1.			- Jusecto	er Funds	Price
Contract Ire - purchase bond		st aside Fund a yr	Payon = Des = 1 = 1	/ =0.75	9=0.75(0.07)	= S.25 %	inde Lower MER	///////////////////////////////////////
						white a ti	- III	11/1/1/1//