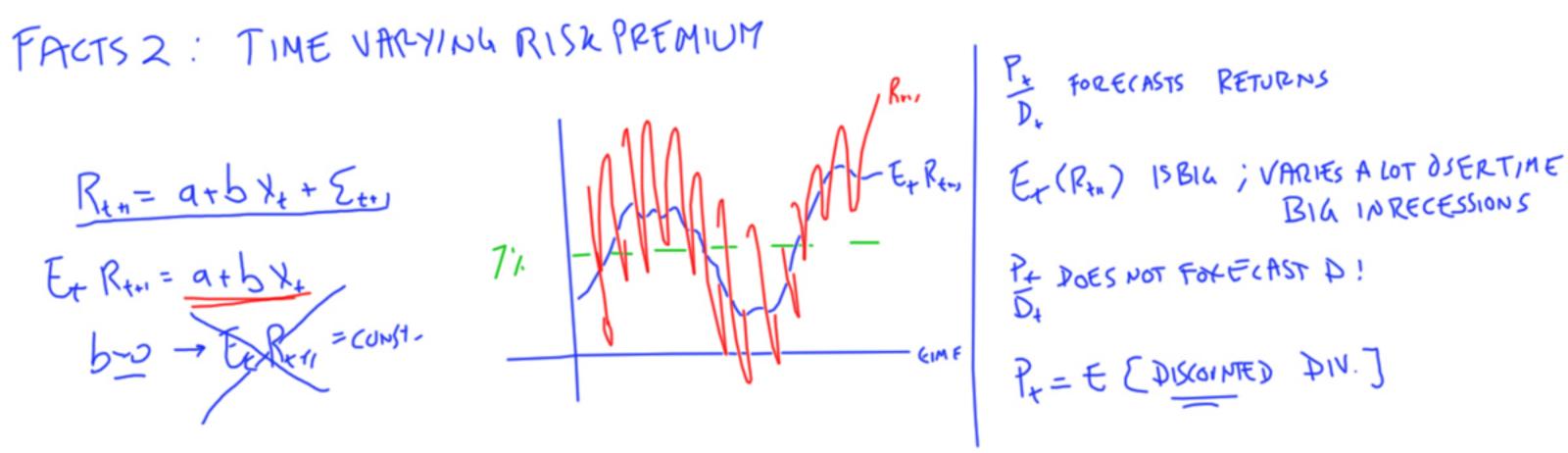
FACTS 1 EQUITY PREMIUM AND RISK

	STOCKS REAL	BONDS REAL	STOCK- BOND	GDP	CONS- UMPTION	ND+2
F .	8.6	1.3	7.5	3.2	3.3	2.4
С. б:	17.6	2.6	8.1	2.6	2.1	2.0
	0.99	-0.03	, OD	0.32	0.39	6.43

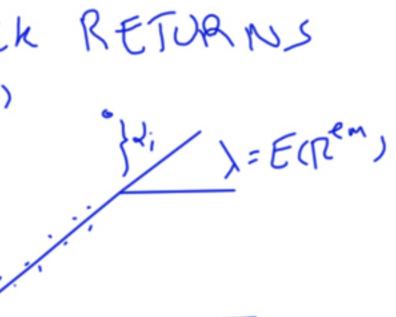
	STOCKS REAL	BONDS REAL	STOCK- BOND	4 DP	CONS- UMPTION	ND+2			
E : 6 :		1.3	7.5	3.2	3.3	2.4			
	17.6	2.6	8.1	2.6	2.1	2.0			
	0.99		1.00	0.32	0.39	6.43			
Contra	B	14	EQUITY VOLATILI	PRE	MIUM STOLK R	ECR	STOCK (2 ^{BOND}) 27% 5(R ^{STOCK} (2 ^{BOND}) 2187.	RISK MEASURE?	
(ORP: 0.99 0.05 TOURY PREMIUM E(RSTOCK (2BOND) 27% RIGHT BIG VOLATILITY OF STOCK RETURNS G(RSTOCK (RBAND) = 187, RUM STOCKS CORRELATED WITH ECONOMY									
WHY SORISKY?									







FACTS 3: THE CROSS SECTION OF STOCK RETURNS E(Rei) $E(\mathbb{R}^{e_i}) = [\mathcal{A}_i] + \mathcal{B}_i E(\mathbb{R}^{e_M})$ RCM $E(P^{ai}) = EQ[]+b;E(rmrf)+h;E(hml)+S;E(smb)$ WHY? WHY E(per); WHY E(hml)? "MODEL OF RETURNS" - FACTORS



FACTS SUMMARY RISK PREMIUM EXPECTED RETURN 1) E(pe) ISBIL! 7% -Buy? RISK? 5(2°) 15 BUG, 187. Re IS CORRELATED WITH DE, BY STOCKSFALL IN BADTIMES 2) Er(Ren) VARIES OVER TIME O[EJRin]= 61, -> Biry! TIME VARYING RISK PREMIUM? 3) E. (Rein) VARIES ARROSS ASJETS ALOT: FACTORNODELS WHY ARE FACTORS PRICED PREMIUM FOR VALUE - GROWTH THEORY OVERVIEW. PREVIEW

. WHATS IT WORTH ? TIME AND RISK

· d V / d × RISK MANAGEMENT

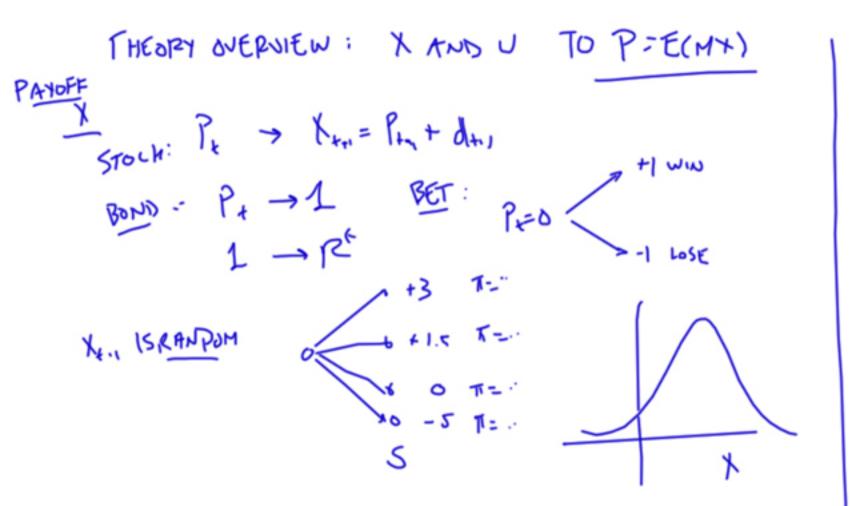


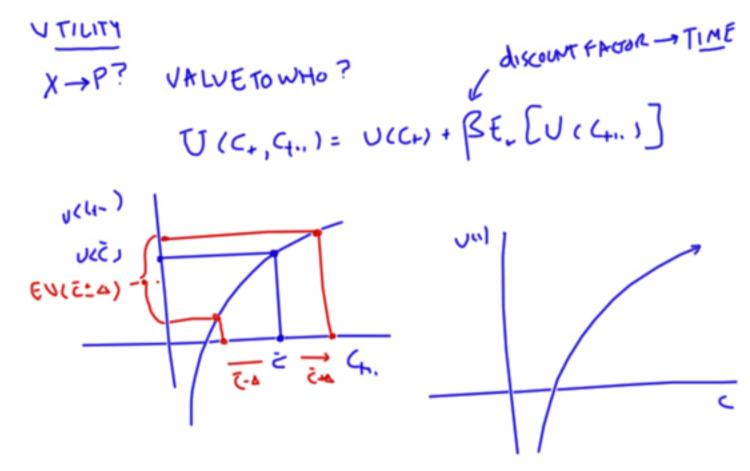
- · INVESTMENT VS EQUILIBRIUM
- WHAT DOES THE MARKET LOOK LIKE APTER INVESTMENT?

$$\frac{k_{OAL}}{l_{t}} = E_{T} \left(\beta \frac{v'(G_{V})}{J'(G_{V})} \times_{t_{T}} \right)$$

$$\hat{I} = E(m \times)$$

ALL CLASSIC ISSUES OF FINANCE.





$$MR+ U(C_{t} - P_{t}) + \beta E_{t} U(C_{t_{u}} + \xi X_{t_{u}})$$

$$P_{t} U'(C_{t}) = \beta E_{t} (U'(C_{t_{u}}) \cdot X_{t_{u}})$$

$$P_{t} = E_{t} \left[\beta \frac{U'(C_{t_{u}})}{U'(C_{t})} \cdot X_{t_{u}} \right] = E_{t} \left[\beta \left[\frac{C_{t_{u}}}{C_{t}} \right]^{2} (Y_{t_{u}}) \cdot Y_{t_{u}} \right]$$

$$M_{t_{u}}$$

$$V(c) = \frac{c^{1-x}-1}{1-x} \quad \underline{v'(c)} = c^{-x}$$

$$P_{t} = E_{t}(Y_{tn})?$$

$$P_{t} = E_{t}(\frac{1}{R}Y_{tn})?$$

$$P_{t} = E_{t}(\frac{1}{R}Y_{tn})?$$

$$P_{t} = E_{t}(M_{tn}Y_{tn})$$

$$T$$

$$RPNSOM,$$

$$STOLMATTLE$$

- · MARGINAL
- · YOUR & ARJUSTS
- AFTER INVESTMENT

