Portfolio Management 1º Overview

[Process]

1° Planning: . Understanding dient's needs

· Developing IPS

2º Execution · Asset allocation

· Security Analysis

· portfolio construction

> Feedback: monitoring & rebalancing

· measurement a reporting

[Investors' Preference]

Horizon long

Liguidity low

low

Rick Tolerance

楓 DB

Banks

long tex

High Highe high

high Short .

low.

Insurance Life: long. Companies PRC: short.

P&C: high

Prc: low

I Pooled Investments]

1° Mutual Funds - muest meior companies

1 open-end

·NAV · 只发射台、隔一部分抗暖图

3 closed-end

· 2 of new investment Aid · fully invested

· Premium or discount to NAV

2° ETF → F/Capital gam

O basket of shares: buy/redeem/trakin> market

10 close to NAU

Tax advantages to mand Funds

@ lower transaction costs

3° Hedge funds: lower amount of regulation

4° PE: few large investments

2. Return & Risk

· HPR = Pi-Po + Di

· EAR= (1+ HPR) -1 = Expression - onwell. doily

. Time weighted return (TWR)

①几何中均 回不受 计如何影响

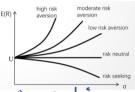
图每一期大度可以不一较.

· Money-weighted return (MWR)

@ 本位是ZPR.

() 面糊长海里一级 0 曼·环科影响。

[Utility Function] U= E(R) - OSXAX2



ADD. Averse A=0. newtral Aco seeking risk-free Assets of UBITA TO 527, TAM

· indifference curve

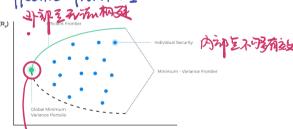
risk Adverse -> Slope efficient 1

[Risk]

3p= /W1261+W225+2W1W20102 P12

等的时: 30=132+111000 = 133411101252

[Effective fronter]



ER LACTOR Minimum Variance Portfalio 多产CAL中运 Sharperotio最大配条

Ooptimal risk portfolio ->

Standard Deviation

@ optimal investor portfolio > & investor risk reference \$ 1000

@global mirrimum variance portfolio

LCML] =本质是一条将B来WOCAL

1) Assumption: investors have a Homogeneous Expectation 与301中: 淡糊设是看有相同的 (efficient fronter Floptimal rick portfolio. optimal risk portfolio

为用神物と明有risky Assers湖水

$$Rp = ff + \frac{TM - ff}{Sm} \times Sp.$$

[Systematic Nik] 《彩花楼 nonsystematic 表面

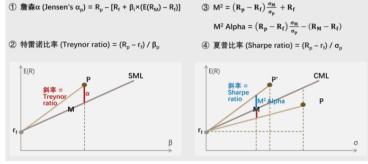
- · Haf idiosyncrodic risk of wast diversifaction by 所以对protfolion这价本版比是不多ystematic risk发行
- · Total VAR = Systematic VAR + nonsystematic VAR 与满胸可加上并不管对着下话也相可如此

Bi = Pim * Zi Broofolio = Zwi Bi

[CAPM]

top the o homogeneous expectation ② no market friction 图学所致.

ECRI) = rf + Bi x LECRNO - rf]



SML: Jensen's W= [p-[1]+ Bpx(B(Rm)-1]] CM: M= = 1p-rf × Bm+1f Sharpe ratio = Tp-15 Trappor Parto = 17-15

3. Management ILPSI

ability

O Objectives: Rick & return > willingness

Absolute vs. relative

D constraints: TTLLU. [Time ciquidity Unique]

distinctive Destruction of duties a responsibilities needs @ Investment Guidlines @ rebalacity @ per-for mane monitority

@ Appendix

[Asset Allocation] [周-安神 arrelation志 (SAA - STrotegy 不同過去來通 correlation 在 THA - tactical -> 75 TATRIL

4. Behavioral Brases

1° Cognetive Errors.

I. Belief Perseverance Biases

- · conservatism
- · confirmation
- · Illusion of control -> underdiverify
- · Hind Sight 对脑面
- · Representativeness [base-rote neglect : molerdiverse.

 Halo effect [sample-size neglect.

I Processing Zrooms.

- · Anchoring & Adjustment 内部及
- · Mental Accounting, 爱水不打鱼
- · Framing 表述美异
- · Availability bias Rintailz momentum

2º Emotional Biases

- · Loss-aversion
- · Overconfidence.
- · Seff-control 朝海四
- · Stadus quo
- Zndow meut
- regret-aversion -> momentum

J. Risk Management