ASSET Allocation Investing in the new reality...



Modern Portfolio Theory... dead or alive?

> Tim Farrelly August 2009



Asset Allocation and Modern Portfolio Theory

- Efficient markets and SAA
- The equity risk premium
- Standard deviation and risk management



Strategic asset allocation

- Based on the Efficient market hypothesis
- Markets are always fairly priced
 Stable equity risk promium
- Stable equity risk premium
- Identifiable bubbles don't exist
- Equities outperform in the long term



Efficient markets?

- Japan in 1988
- Tech boom in 1999
- China in 2007
- Global REITs in 2007





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Yields and PE

- Dividend yield is D / P
- D approx = E
- So yield is E / P
- 1/ yield = PE ratio for REITs





What lemmings believe...









Actually, quite a bit worse...



Long run returns are driven by three factors

Income

Growth in income

-

+ Or -

Effect of change of PE Ratio













Forecast REIT returns in 2007



Forecast China returns in 2007



Efficient markets?

- Bubbles occur regularly
- Utterly identifiable
- SAA puts us in the way of those disasters





US Equities: 20 year rolling returns



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Using the rear view mirror!



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Japanese equities for the long run?





Maybe the US is a better example?



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Not in the UK either....





MPT : Volatility = Risk

Historical volatility = future risk
Portfolio risk can be measured

Historical volatility of components
Historical correlations

Manage historical volatility = manage risk



What's wrong here?

- 2006 record low equity volatility = record low equity risk
- Direct property is not risky?
- Correlations in market downturns



SAA/MPT are based on entirely false premises

- Markets are not efficient
- Equities don't always outperform in the long term
- Historical volatility is a poor measure of risk



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