

## Module 2

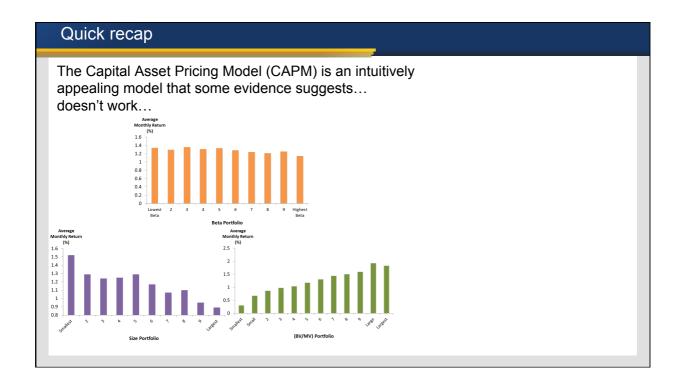
# **Alternative Approaches to Valuation and Investment**

Multi-factor Models and Evidence from the Field (Risk factors – the more the merrier!)

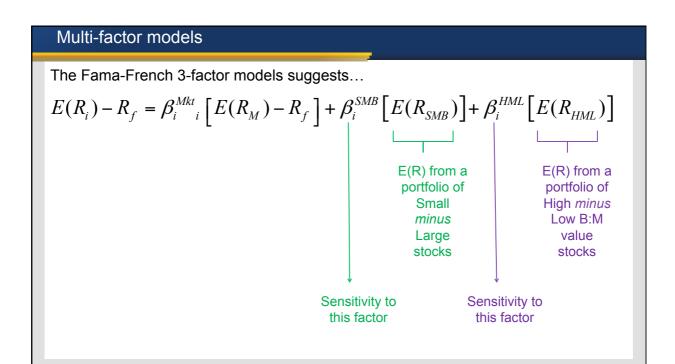
Presenter: Sean Pinder











# A fourth factor ... or maybe more ...?

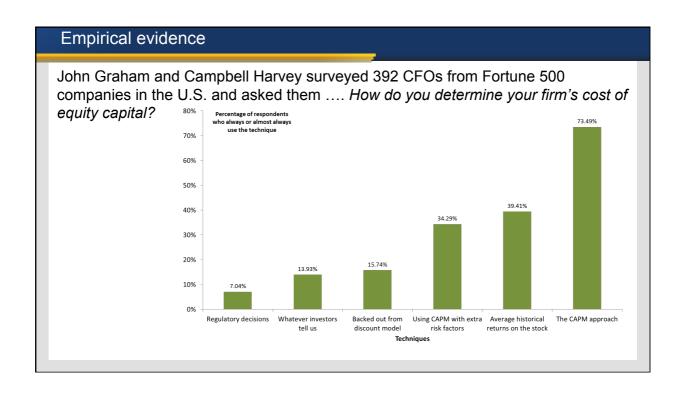
Other researchers have identified other factors that have been found to explain returns including:

- Momentum recent performance helps to explain short-to-medium term future performance
- Liquidity higher variability in trading volumes associated with higher expected return – consistent with liquidity risk being important

And then more recently, **Investment** and **Profitability**.

But what do managers actually do?





# Not exactly the same though is it ....

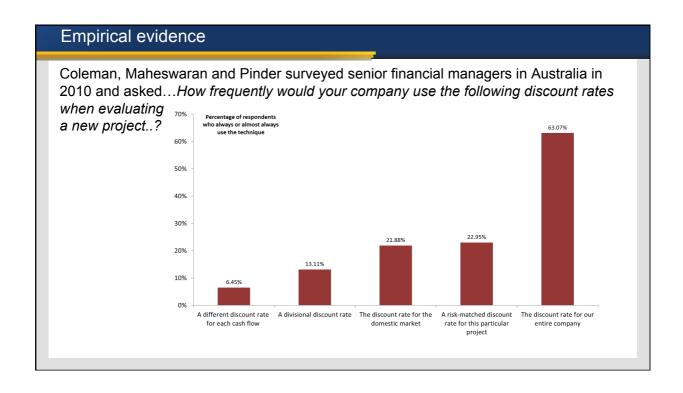
You would use a cost of equity capital to value a stock in a company...

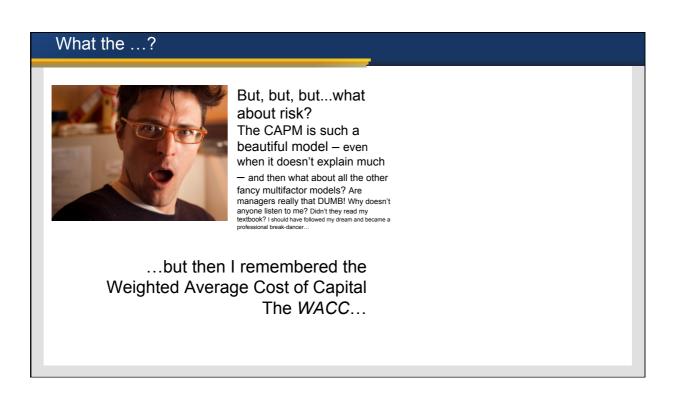
$$PV = \frac{Dividend_1}{(1+k_e)^1} + \frac{Dividend_2}{(1+k_e)^2} + \dots + \frac{Dividend_n}{(1+k_e)^n}$$

From a firm's point of view – we would be interested in what discount rate we use to value an individual **project.** 

$$PV = \frac{Cash \ Flow_1}{(1+r)^l} + \frac{Cash \ Flow_2}{(1+r)^2} + \dots + \frac{Cash \ Flow_n}{(1+r)^n}$$





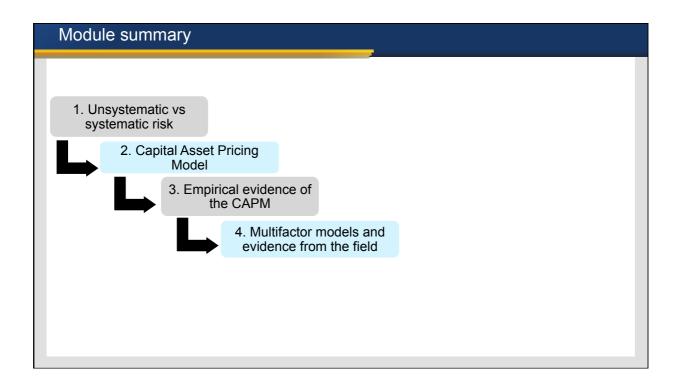




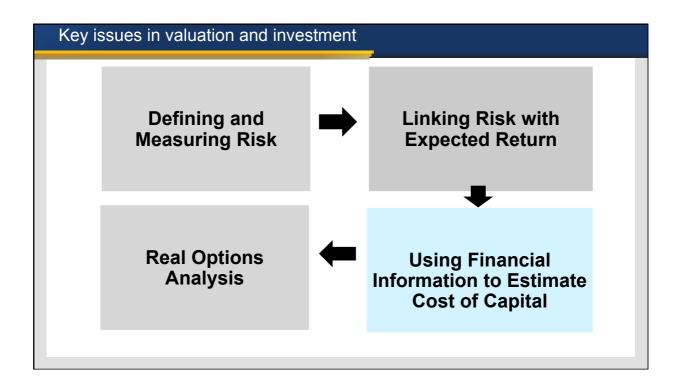
### Summary

#### In this session we:

- Described one of the first and most widely known and used – multi-factor pricing models
- Explained how this had been extended to account for other risks priced by the market
- Detailed key empirical evidence on what it is that financial managers actually use when estimating both a cost of equity capital and a project-specific cost of capital.







#### Source list

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