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# Taking a hard look at asset allocation and manager selection

- ▶ **Sunny Ng, CFA, Director of Fund Research, Asia**

## A Few Taglines in our Industry

- ▶ “Markets are efficient”
- ▶ “Markets are not efficient”
- ▶ “Asset allocation determine 90% of investor returns”
- ▶ “Market timing is futile”
- ▶ “Be fearful when others are greedy, and be greedy when others are fearful”
- ▶ “Active management is dead”
- ▶ “Past performance is not indicative of future performance”

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- ▶ “Glow in the dark cats may be vital in AIDS research,” *the Daily Mirror*

## The not so Modern Portfolio Theory

- ▶ Modern/Markowitz Portfolio Theory was first introduced by Harry Markowitz in 1952
- ▶ The theory is based on several assumptions including:
  - ▶ Asset returns are normally distributed and volatility is constant
  - ▶ Investors are rational (have a symmetrical view of downside risk and upside gain)

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“I never—at any time!—assumed that return distributions are Gaussian.”



## The not so Modern Portfolio Theory

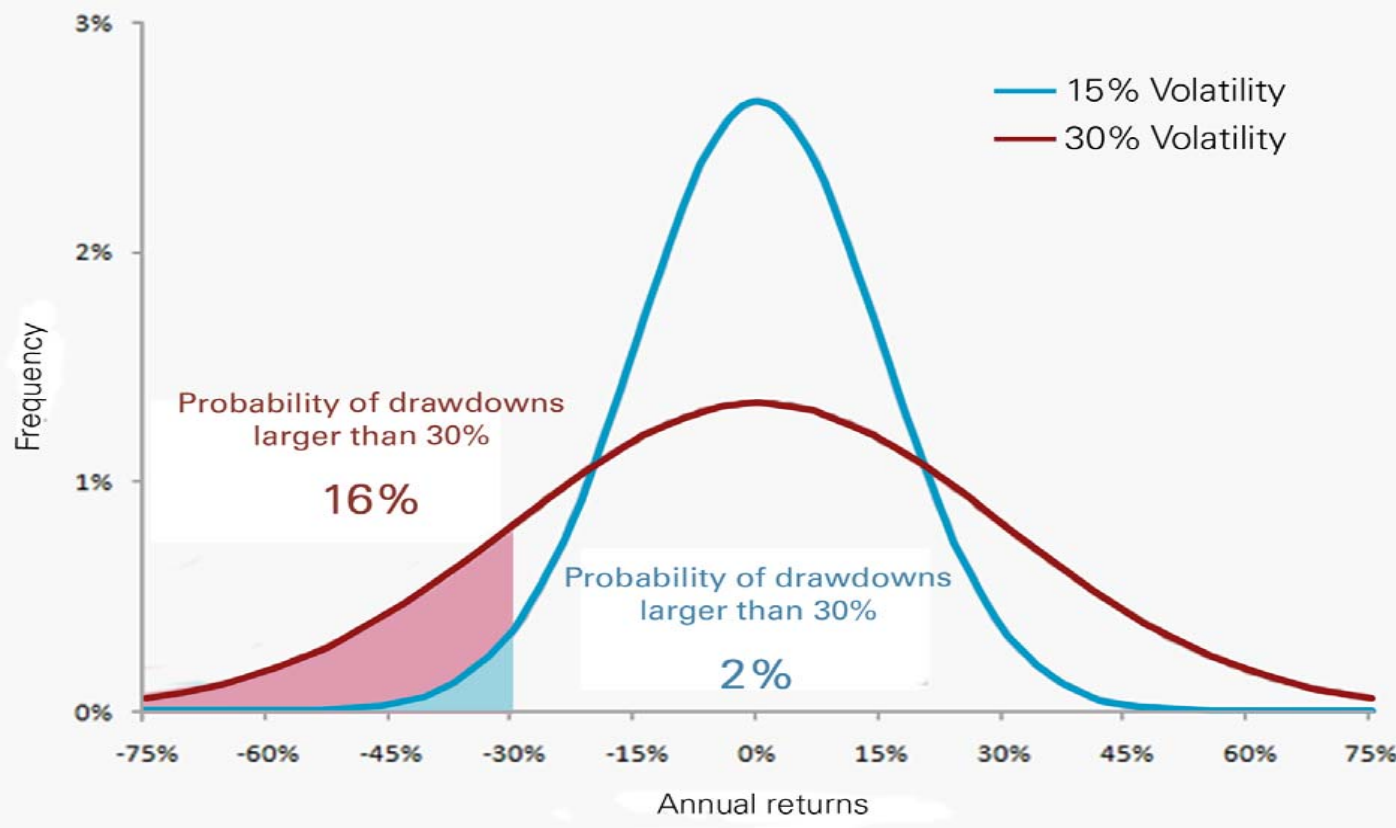
What does Harry have to say?

“I never—at any time!—assumed that return distributions are Gaussian.”

“Nor did I ever assume that the investor’s utility function is quadratic.”

*Portfolio Theory: As I Still See It, 2010, Harry Markowitz*

# What are the Implications of changing volatility on tail risk?



## Does Asset Allocation determine 90% of Investor Returns?

- ▶ In a 1986 study published by Brinson, Hood, and Beebower, they contended that 90% of a portfolio's **variability of returns across time** is explained by the asset allocation policy
- ▶ This statistic is often misinterpreted and does not address the following:
  - ▶ How much **variation in returns among funds** is explained by the asset allocation policy?
  - ▶ What portion of the **return level** is explained by the asset allocation policy?

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- ▶ **90% of the variability of returns across time** is indeed explained by the asset allocation policy
- ▶ **40% of the variability in returns among funds** is explained by the asset allocation policy
- ▶ **100% of the return level is explained** by the asset allocation policy

## Is Active Management Dead?

- ▶ On average actively managed fund underperform their benchmarks and index funds after fees
- ▶ Research from Vanguard shows that:

# Funds in the Portfolio	5 Years	10 Years	20 Years
1 Fund	33%	29%	15%
2 Funds	17%	9%	3%
5 Funds	14%	8%	2%
10 Funds	9%	6%	1%

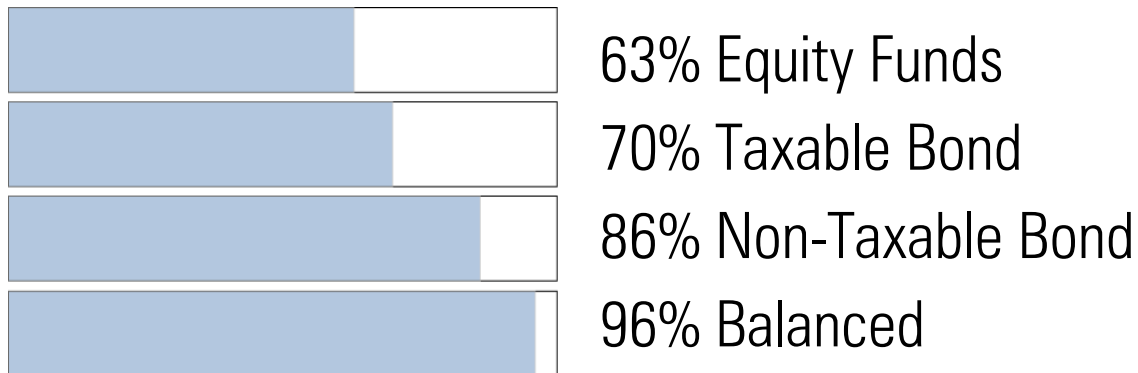
## Is Active Management Dead?

- ▶ Fund investors do a good job selecting funds if you look at the asset-weighted returns data:
  - ▶ Out of Morningstar's 81 categories of mutual funds, **active managers beat their benchmarks in 65 categories** if you asset-weight the return data
- ▶ Active management appears to work better in Small-cap and less developed markets



# Does Qualitative Manager Selection Lead to Better Outcomes?

Fund Analyst Picks exceed 5-Year Category Average:



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% of US Analyst Picks in the Top Quartile as of August 2011  
(weighted average results of picks after they were added to the Picks list)

Asset Group	5 year	3 year	3 Month
Balanced	68.22	67.3	23.53
International Stock	43.33	36.83	8.82
Municipal Bond	38.31	38.08	22.73
Taxable Bond	44.1	36.31	31.76
U.S. Stock	32.76	37.58	36.36

## Is Past Performance not Indicative of Future Performance?

- ▶ Morningstar's Risk-Adjusted Returns take's into account investor's utility function and does not assume normality
- ▶ Star Rating based on Morningstar's Risk-adjusted Returns:
  - ▶ Top10% (5 stars), next 22.5% (4 stars), next 35% (3-stars), (2 stars), next 22.5% (2 stars)and bottom 10% (1 star)

Aggregate results (ex-post):

- ▶ 5 star funds beat lower star funds
- ▶ 5 star funds beat their benchmarks

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- ▶ "Eating chocolate is not exercise" *National Health Services*

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