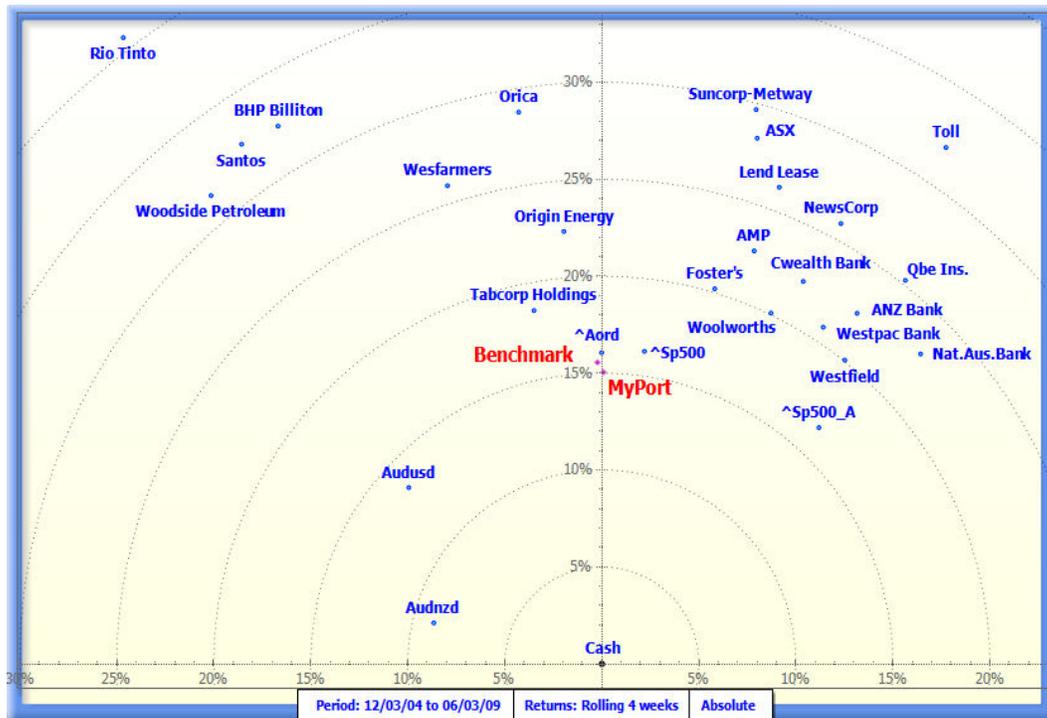## Portfolio positioning made visual

See the investment environment on a map.
See where portfolios are positioned.
Understand the risk characteristics of portfolios.
Use the modelling tool to re-position portfolios.

Period: 12/03/04 to 06/03/09 | Returns: Rolling 4 weeks | Absolute
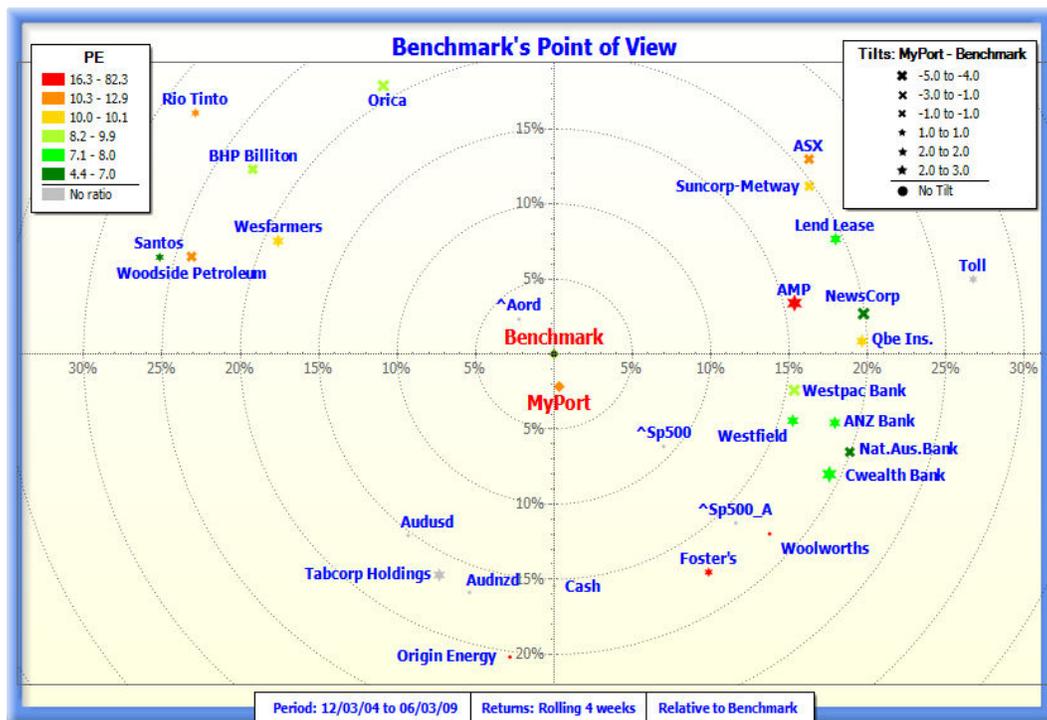
Easy to interpret

The **distance** from the origin is the **volatility** of the security.

The **angle** made at the origin between two points is their **correlation**.

Portfolios are positioned according to the weights of their holdings.

Point of view (relative) maps have a chosen point placed at the centre.

The maps make intuitive sense to fund managers.

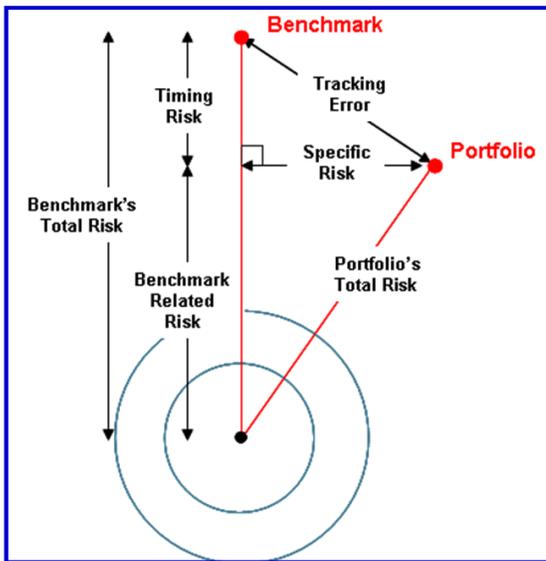Period: 12/03/04 to 06/03/09 | Returns: Rolling 4 weeks | Relative to Benchmark

Showing Ratios and Tilts

Fundamental **ratios** such as PE and dividend yield are shown with different colours for the point markers.

The shape and size of the marker indicate the *tilt* (over– or under-weight relative to the benchmark). Overweight holdings are shown with stars; underweight holdings with crosses.

The map alongside shows the portfolio *MyPort* is heavily overweight *AMP* that has a high PE, while it is underweight *NewsCorp* which has a low PE.

Risk statistics made visual

- Graphical, **intuitive interpretations** of risk statistics such as **total risk** (volatility), **tracking error** and **beta**.
- **Decomposition** of *total risk* and *tracking error* into a benchmark component and a portfolio specific component.
- **Beta** is the ratio of *benchmark related risk* to *benchmark's total risk*.

Modeling and rebalancing

- View portfolio **weights** and *tilts*.
- See the **contribution to risk, beta and tracking error** at all levels, from asset class right down to individual securities.
- The **marginal contributions** show which shares are the most effective in re-positioning the portfolio.
- **Enter new weights**, or tilts, or trades and see the new position and risk statistics.
- **Automated rebalancing** with control over what securities (normally cash) are used to rebalance.
- **Set weights at sector or asset class level** and the system will assign the weights proportionately.
- Get portfolios to **mirror** their benchmark(s) with manual overrides.
- **Apply the tilts from a primary portfolio** and benchmark to other portfolios, possibly with different benchmarks, optionally preventing negative weights.

Security	Fixed	Weights				Volatility			Beta		Tracking Error		
		MyPort	Bench mark	Tilt	Trade	Vol	Marg Contr	Weight Contr	Beta	Tilt Contr Beta-1	TE	Marg Contr	Tilt Contr
Total	☑	100.0	100.0				0.0	15.0	0.96	-3.6		0.0	2.2
Australia	☑	100.0	100.0				0.0	15.0	0.96	-3.6		0.0	2.2
Equities	☑	95.0	95.0		2.0		0.8	15.0	1.01	-3.6		-0.1	2.2
Energy	☑	18.0	18.0		2.0		2.6	3.2	1.15	-0.0		-2.1	0.1
Energy	☑	18.0	18.0		2.0	29.4	2.6	3.2	1.15	-0.0	23.9	-2.1	0.1
Org	☑	5.0	5.0		2.0	22.4	-4.9	0.5	0.66	0.0	20.6	-0.0	0.0
Sto	☑	8.0	7.0	1.0		32.6	5.5	1.6	1.32	0.3	26.0	-0.2	0.0
Wpl	☑	5.0	6.0	-1.0		31.5	5.3	1.0	1.37	-0.4	24.0	-7.3	0.1
Materials	☑	10.0	15.0	-5.0			9.8	2.5	1.62	-1.6		-4.3	0.7
Materials	☑	10.0	15.0	-5.0		36.5	9.8	2.5	1.62	-1.6	28.1	-4.3	0.7
Bhp	☑	5.0	6.0	-1.0		32.4	9.0	1.2	1.61	-0.6	22.8	-8.1	0.1
Ori	☑		5.0	-5.0		28.8	3.6	0.0	1.32	-1.6	20.9	-13.9	0.6
Rio	☑	5.0	4.0	1.0		40.6	10.5	1.3	1.63	0.6	33.3	-0.5	0.0
Industrial	☑	5.0	4.0	1.0			2.4	0.9	1.10	0.1		2.0	0.0
Transportation	☑	5.0	4.0	1.0		32.0	2.4	0.9	1.10	0.1	27.2	2.0	0.0
Consumer Discretionary	☑	6.0	9.0	-3.0			-4.2	0.7	0.69	-0.8		1.4	0.5
Consumer Services	☑	6.0	4.0	2.0		18.6	-4.2	0.7	0.69	-0.6	16.0	1.4	0.1
Media	☑		5.0	-5.0				0.0		-0.2			0.4
Consumer Staples	☑	14.0	11.0	3.0			-1.6	1.9	0.85	-0.0		0.9	0.1
Food & Staples Retailing	☑	9.0	7.0	2.0		23.4	-0.6	1.3	0.93	0.3	18.7	-0.5	0.1
Food Beverage & Tobacco	☑	5.0	4.0	1.0		20.2	-3.5	0.6	0.71	-0.3	17.6	3.4	0.1
Financials	☑	37.0	34.0	3.0			0.1	5.6	0.96	-0.7		0.6	0.8
Banks	☑	11.0	13.0	-2.0		22.3	-2.9	1.3	0.79	0.1	18.9	-1.0	0.1
Anz	☑	5.0	3.0	2.0		22.4	-2.8	0.6	0.83	-0.3	18.5	-4.8	-0.1
Cba	☑	6.0	3.0	3.0		22.3	-2.9	0.7	0.76	-0.7	19.3	2.2	0.1
Nab	☑		3.0	-3.0		22.8	-3.9	0.0	0.75	0.7	20.0	-4.0	0.1
Wbc	☑		4.0	-4.0		20.7	-1.5	0.0	0.89	0.4	15.5	-2.3	0.0
Diversified Financials	☑		3.0	-3.0				0.0		-0.8			0.2
Insurance	☑	14.0	10.0	4.0		25.4	2.1	2.4	1.09	0.0	19.1	1.0	0.3
Real Estate	☑	12.0	8.0	4.0		23.1	0.5	1.9	0.98	-0.1	17.7	1.7	0.2
Utilities	☑	5.0	4.0	1.0			-7.2	0.4	0.48	-0.5		3.3	0.1
Cash	X	5.0	5.0		-2.0		-15.0	-0.0	-0.00	0.0		1.7	0.0
World	☑							0.0		0.0			0.0

Other Applications

- **Multi-Managers** Portfolios' holdings may themselves be portfolios, with powerful features to expand or contract these sub-portfolios.
- **Hedge Funds** See the "long" and the "short" parts of a hedge portfolio and how they combine.
- **Mutual Funds** Help distinguish between myriads of mutual funds.

Other features

- **Automated scheduled runs** that scan thousands of portfolios and produce exception reports highlighting, for example, portfolios whose tracking errors exceed specified limits.
- All reports can be exported to Excel.
- All **maps** can be **exported in a variety of graphic formats** to PowerPoint, Word, etc.