

Portfolio Analysis And Its Potential Application To

The data is linearly transformed onto a new coordinate system such that the directions (principal components) capturing the largest variation in the data can be easily identified. ea289b82f4

Application portfolio management since the mid-1990s. Application Portfolio Management attempts to use the lessons of financial portfolio management to justify and measure the financial benefits of each application in comparison to the costs of the application's maintenance and operations. Application Portfolio Management attempts to use the lessons of financial portfolio management to justify and measure the financial IT Application Portfolio Management (APM) is a practice that has emerged in mid to large-size information technology (IT) organizations since the mid-1990s ea289b82f4

Growth-share matrix product portfolio matrix, Boston Box, BCG-matrix, Boston matrix, Boston Consulting Group portfolio analysis and portfolio diagram) is a matrix used to help The growth-share matrix (also known as the product portfolio matrix, Boston Box, BCG-matrix, Boston matrix, Boston Consulting Group portfolio analysis and portfolio diagram) is a matrix used to help corporations to analyze their business units, that is, their product lines ea289b82f4

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Portfolio optimization The complexity and scale of optimizing portfolios over many assets Portfolio optimization is the process of selecting an optimal portfolio (asset distribution), out of a set of considered portfolios, according to some objective. Its application here was later explicated by William Sharpe. Factors being considered may range from tangible (such as assets, liabilities, earnings or other fundamentals) to intangible (such as selective divestment). of efficient portfolios. The objective typically maximizes factors such as expected return, and minimizes costs like financial risk, resulting in a multi-objective optimization problem ea289b82f4

The principal components of a collection of points in a real coordinate space are a sequence of ea289b82f4 The matrix was initially created in a collaborative effort by Boston Consulting Group (BCG) employees. Alan Zakon first sketched it and then, together with his colleagues, refined it. BCG's founder Bruce D. Henderson popularized the concept in an essay titled "The Product Portfolio" in BCG's publication Perspectives in 1970. The matrix helps a company to allocate resources and is used as an analytical

tool in brand marketing, product management, strategic management, and portfolio analysis. Organizations may apply analytics to business data to describe, predict, and improve business performance. Specifically, areas within analytics include descriptive analytics, diagnostic analytics, predictive analytics, prescriptive analytics, and cognitive analytics. Analytics...

Portfolio manager of the primary portfolio management tools. PMs work with a team of analysts and researchers and are responsible for establishing an investment strategy, selecting appropriate investments, and allocating each investment properly towards an investment fund or asset management vehicle. The formula calculates the potential return percentage of an investment vehicle based on its vested risk appetite A portfolio manager (PM) is a professional responsible for making investment decisions and carrying out investment activities on behalf of vested individuals or institutions. Clients invest their money into the PM's investment policy for future growth, such as a retirement fund, endowment fund, or education fund

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Technical analysis The efficacy of technical analysis is disputed by the efficient-market hypothesis In finance, technical analysis is an analysis methodology for analysing and forecasting the direction of prices through the study of past market data, primarily price and volume. management, it stands in contradiction to much of modern portfolio theory. The efficacy of technical analysis is disputed by the efficient-market hypothesis, which states that stock market prices are essentially unpredictable, and research on whether technical analysis offers any benefit has produced mixed results. As a type of active management, it stands in contradiction to much of modern portfolio theory. It is distinguished from fundamental analysis, which considers a company's financial statements, health, and the overall state of the market and economy

-th vector is the direction of a line that best fits the data while being orthogonal to the first

Analytics It can be valuable in areas rich with recorded information; analytics relies on the simultaneous application of statistics, computer programming, and operations research to quantify performance. It is used for the discovery, interpretation, and communication of meaningful patterns in data, which also falls under and directly relates to the umbrella term, data science. Analytics also entails applying data patterns toward effective decision-making. In this, a bank or lending agency has a collection of accounts of varying value and risk Analytics is the systematic computational analysis of data or statistics. common application of business analytics is portfolio analysis

Dimensional analysis Checking for dimensional homogeneity is a common application of dimensional In engineering and science, dimensional analysis is the analysis of the

relationships between different physical quantities by identifying their base quantities (such as length, mass, time, and electric current) and units of measurement (such as metres and grams) and tracking these dimensions as calculations or comparisons are performed. dimensions on its left and right sides, a property known as dimensional homogeneity. The term dimensional analysis is also used to refer to conversion of units from one dimensional unit to another, which can be used to evaluate scientific formulae

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IT portfolio management IT portfolio management is the application of systematic management to the investments, projects and activities of enterprise Information Technology (IT) IT portfolio management is the application of systematic management to the investments, projects and activities of enterprise Information Technology (IT) departments. The promise of IT portfolio management is the quantification of previously informal IT efforts, enabling measurement and objective evaluation of investment scenarios. Examples of IT portfolios would be planned initiatives, projects, and ongoing IT services (such as application support)

vectors. Here, a best... Commensurable physical quantities are of the same kind and have the same dimension, and can be directly compared to each other, even if they are expressed in differing units of measurement; e.g., metres and feet, grams and pounds, seconds and years. Incommensurable physical quantities are of different...

Modern portfolio theory Often, the historical variance and covariance of returns is used as a proxy for the forward-looking versions of these quantities. Modern portfolio theory (MPT), or mean-variance analysis, is a mathematical framework for assembling a portfolio of assets such that the expected return Modern portfolio theory (MPT), or mean-variance analysis, is a mathematical framework for assembling a portfolio of assets such that the expected return is maximized for a given level of risk. The variance of return (or its transformation, the standard deviation) is used as a measure of risk, because it is tractable when assets are combined into portfolios. It is a formalization and extension of diversification in investing, the idea that owning different kinds of financial assets is less risky than owning only one type. Its key insight is that an asset's risk and return should not be assessed by itself, but by how it contributes to a portfolio's overall risk and return

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Principal component analysis component analysis (PCA) is a linear dimensionality reduction technique with applications in exploratory data analysis, visualization and data preprocessing Principal component analysis (PCA) is a linear dimensionality reduction technique with applications in exploratory data analysis, visualization and

data preprocessing ea289b82f4

unit vectors, where the ea289b82f4

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