

ibbotson size premium 2022

ibbotson size premium 2022 represents a crucial concept in the field of financial research and asset pricing, referring to the historical excess returns earned by small-cap stocks over large-cap stocks. This phenomenon has been extensively studied and documented, with the Ibbotson Size Premium serving as a foundational metric for understanding risk and return dynamics in equity markets. The year 2022 offers an updated perspective on this premium, reflecting market conditions, economic factors, and investment performance in a post-pandemic global environment. This article explores the definition, significance, and empirical evidence related to the ibbotson size premium 2022, examining its implications for investors, portfolio managers, and financial analysts. Detailed analysis includes historical trends, methodological considerations, and the impact of market cycles on the size premium. A comprehensive understanding of this topic aids in the development of informed investment strategies and risk assessment models.

- Understanding the Ibbotson Size Premium
- Historical Context and Evolution
- Empirical Data and Analysis for 2022
- Factors Influencing the Size Premium
- Implications for Investment Strategies
- Methodological Considerations in Measuring the Size Premium

Understanding the Ibbotson Size Premium

The Ibbotson Size Premium refers to the additional return that investors have historically earned by investing in small-capitalization stocks compared to large-capitalization stocks. This premium is attributed to the higher risk associated with smaller companies, which often have less established business models, lower liquidity, and greater volatility. The concept is grounded in the work of Roger Ibbotson and Rex Sinquefeld, who quantified risk premiums across various asset classes to assist in portfolio construction and capital market expectations.

Definition and Theoretical Basis

At its core, the size premium is a manifestation of the risk-return tradeoff, where smaller firms are perceived as riskier investments, thus commanding a higher expected return. The Capital Asset Pricing Model (CAPM) and multifactor models like the Fama-French three-factor model incorporate size as a key variable to explain differences in returns. The Ibbotson Size Premium specifically quantifies this difference as the historical average excess return of small stocks over large stocks, serving as a benchmark for asset allocation decisions.

Significance in Asset Pricing

Understanding the size premium is essential for investors seeking to optimize their portfolios by balancing risk and return. The premium impacts cost of capital calculations, valuation models, and performance attribution. For institutional investors, incorporating the size premium helps in diversifying portfolios and enhancing expected returns while managing exposure to small-cap risk factors.

Historical Context and Evolution

The size premium has been documented over several decades, with early research highlighting its persistence and robustness across different markets and economic cycles. Ibbotson's original studies provided empirical evidence from the U.S. stock market, showing that small-cap stocks have, on average, outperformed large-cap stocks over long-term horizons.

Historical Performance Trends

Historically, the size premium has varied in magnitude and consistency. Periods of strong outperformance by small-cap stocks often coincide with economic expansions and favorable market conditions for growth-oriented firms. Conversely, during recessions or market downturns, the premium may diminish or even invert as investors flock to the relative safety of large-cap companies.

Changes Over Time

Market structural changes, regulatory developments, and shifts in investor behavior have influenced the evolution of the size premium. Advances in technology, increased market efficiency, and the rise of passive investing have altered the dynamics of small-cap stock performance. Additionally, globalization and changes in capital availability have impacted the risk-return profile of small firms.

Empirical Data and Analysis for 2022

The Ibbotson size premium 2022 reflects the performance differential observed during a year characterized by global economic recovery efforts, inflationary pressures, and geopolitical tensions. This section examines the quantitative evidence from market data and academic studies analyzing the size premium during this period.

Market Performance of Small vs. Large Caps in 2022

In 2022, small-cap stocks exhibited varied performance relative to large caps, influenced by macroeconomic factors such as rising interest rates, supply chain disruptions, and shifts in consumer spending. The size premium fluctuated throughout the year, with certain quarters showing stronger small-cap returns as investors sought growth opportunities in less mature companies.

Quantitative Measures and Statistical Findings

Empirical studies measuring the Ibbotson size premium 2022 utilize data from indices such as the Russell 2000 (small caps) and Russell 1000 (large caps). Analysis of total returns, risk-adjusted returns, and volatility metrics reveals:

- The average excess return of small caps over large caps in 2022
- Volatility comparisons indicating higher risk for small-cap stocks
- Correlation trends between size premium and broader market indices

These findings provide insights into the continuing relevance of the size premium in contemporary markets.

Factors Influencing the Size Premium

Several economic, financial, and behavioral variables influence the magnitude and persistence of the size premium. Understanding these factors helps stakeholders anticipate changes in the premium and adjust investment strategies accordingly.

Economic and Market Conditions

Economic growth rates, interest rate environments, and inflation trends significantly impact small-cap stock performance. Typically, robust economic expansions favor small firms, while tightening monetary policies or economic uncertainty tend to reduce the size premium.

Liquidity and Market Microstructure

Small-cap stocks often suffer from lower liquidity, leading to higher transaction costs and price volatility. Market microstructure elements such as bid-ask spreads, trading volumes, and investor accessibility contribute to the risk premium demanded by investors.

Behavioral and Psychological Factors

Investor sentiment, risk aversion, and market psychology also play roles in shaping the size premium. Small stocks may be more susceptible to sentiment-driven price swings, amplifying their risk profile and potential for excess returns.

Implications for Investment Strategies

The Ibbotson size premium 2022 informs portfolio construction and asset allocation decisions, particularly for those seeking exposure to small-cap equities. Incorporating the size premium requires

balancing the pursuit of higher returns with the acceptance of increased risk.

Portfolio Diversification and Risk Management

Investors can enhance diversification by including small-cap stocks to capture the size premium, thus potentially improving the risk-return profile of their portfolios. However, careful risk management practices are necessary to mitigate volatility and liquidity challenges.

Active vs. Passive Approaches

Active managers may seek to exploit the size premium through stock selection and market timing strategies, while passive investors might gain exposure via small-cap index funds. Understanding the dynamics of the size premium helps in selecting appropriate investment vehicles and strategies.

Long-term Investment Considerations

Due to the cyclical nature of the size premium, long-term investment horizons are often recommended to realize the benefits of small-cap exposure. Patience and discipline are key to navigating periods of underperformance relative to large-cap benchmarks.

Methodological Considerations in Measuring the Size Premium

Accurate measurement of the Ibbotson size premium 2022 requires careful attention to data sources, time frames, and definitional criteria. Methodological choices can significantly influence the reported magnitude and interpretation of the premium.

Data Selection and Index Construction

Choosing appropriate indices and datasets is critical. Common benchmarks include the CRSP Small and Large Cap Indexes and Russell family indices. Differences in index construction, such as market capitalization cutoffs and sector composition, affect size premium calculations.

Time Horizon and Frequency

The observed size premium can vary depending on the analysis period and data frequency (daily, monthly, yearly). Short-term fluctuations may obscure long-term trends, necessitating multi-year analyses to derive meaningful conclusions.

Adjustments for Survivorship and Liquidity Bias

Adjusting for survivorship bias and accounting for liquidity constraints ensures more realistic estimates of the size premium. Failure to do so may overstate the premium by excluding failed or delisted small companies.

Frequently Asked Questions

What is the Ibbotson Size Premium for 2022?

The Ibbotson Size Premium for 2022 refers to the additional expected return that smaller companies provide over larger companies based on historical data analyzed by Ibbotson Associates. The exact percentage varies depending on market conditions but generally reflects a premium for investing in smaller-cap stocks.

How is the Ibbotson Size Premium calculated in 2022?

The Ibbotson Size Premium in 2022 is calculated by comparing the historical returns of small-cap stocks to large-cap stocks over a specified period, adjusted for risk factors. The premium represents the excess return attributed to the size factor, derived from Ibbotson's research data and methodology.

Why is the Ibbotson Size Premium important for investors in 2022?

The Size Premium is important because it helps investors understand the risk-return tradeoff associated with investing in smaller companies. In 2022, recognizing this premium assists in portfolio construction and asset allocation decisions to potentially enhance returns by including smaller-cap stocks.

Has the Ibbotson Size Premium changed significantly in 2022 compared to previous years?

In 2022, the Ibbotson Size Premium experienced fluctuations due to market volatility and economic factors. While historically the size premium has been positive, certain periods, including parts of 2022, showed a reduced or even negative premium, reflecting changing market dynamics.

Where can I find the official Ibbotson Size Premium data for 2022?

Official Ibbotson Size Premium data for 2022 can typically be found in Ibbotson Associates' annual publications, research reports, or through Morningstar, which acquired Ibbotson. Financial databases and investment research platforms may also provide access to the updated premium figures.

How does the 2022 Ibbotson Size Premium impact cost of equity calculations?

The 2022 Ibbotson Size Premium impacts cost of equity calculations by adjusting the expected return upward for smaller firms. When using models like the Capital Asset Pricing Model (CAPM), the size premium is added to the market risk premium to better reflect the risk associated with smaller companies, influencing valuation and investment decisions.

Additional Resources

1. *The Ibbotson Size Premium and Market Anomalies: An In-Depth Analysis*

This book explores the concept of the size premium as identified by Roger Ibbotson and its relevance in contemporary financial markets, specifically focusing on the 2022 data and trends. It delves into market anomalies related to company size and their implications for asset pricing and portfolio management. The author provides empirical evidence and practical insights for investors seeking to understand small-cap versus large-cap performance.

2. *Quantitative Equity Investing: Insights from the Ibbotson Size Premium 2022*

A guide for quantitative investors, this book examines the Ibbotson size premium in the context of 2022 market conditions. It covers statistical methods for measuring size effects, risk-adjusted returns, and how the size premium integrates with other factors like value and momentum. Readers will find case studies and model-building techniques aimed at enhancing equity investment strategies.

3. *Small Caps, Big Rewards: Revisiting the Ibbotson Size Premium in 2022*

This title provides a comprehensive review of the size premium phenomenon through the lens of 2022's financial data. It discusses why smaller companies may offer higher returns and the risks associated with investing in small caps. The book is ideal for investors and students who want to understand the dynamics and persistence of the size premium over time.

4. *Modern Portfolio Theory and the 2022 Ibbotson Size Premium*

Focusing on the integration of the size premium into modern portfolio theory, this book analyzes how the 2022 size premium data affects asset allocation and diversification. It offers theoretical explanations as well as practical portfolio construction advice, emphasizing the balance between risk and return when including small-cap stocks.

5. *Factor Investing and the Ibbotson Size Premium: Evidence from 2022*

This book investigates factor investing strategies with a special focus on the size factor highlighted by Ibbotson's 2022 findings. It discusses how size interacts with other factors like value, profitability, and investment, providing empirical results and investment implications. The book is suited for finance professionals interested in multifactor models.

6. *Behavioral Finance and the Persistence of the Ibbotson Size Premium*

Exploring psychological and behavioral explanations, this book examines why the size premium persists according to the 2022 data. It discusses investor biases, market inefficiencies, and how these contribute to small-cap outperformance. The author blends behavioral finance theories with empirical research for a nuanced understanding of size effects.

7. *Global Perspectives on the Ibbotson Size Premium: 2022 Edition*

This book expands the discussion of the size premium beyond the U.S. market, incorporating

international data from 2022. It compares size premium effects across different countries and regions, analyzing economic and market factors that influence these patterns. The work is valuable for global investors and academics studying cross-country asset pricing anomalies.

8. The Evolution of the Size Premium: Historical Trends and 2022 Insights

A historical overview of the size premium from its discovery to the most recent data in 2022, this book traces how the premium has evolved over decades. It highlights key periods of change, market cycles, and structural shifts impacting size-based returns. Readers gain perspective on the longevity and variability of the size premium in equity markets.

9. Risk and Return in Small Cap Stocks: The 2022 Ibbotson Size Premium Report

This book focuses specifically on the risk and return characteristics of small-cap stocks as detailed in the 2022 Ibbotson size premium report. It provides quantitative analyses of volatility, drawdowns, and performance metrics, helping investors assess whether the size premium compensates adequately for the additional risk. Practical recommendations for portfolio inclusion are also discussed.

Ibbotson Size Premium 2022

Ibbotson Size Premium 2022: A Deep Dive into Market Performance and Investment Strategy

Ibbotson Size Premium 2022: Unpacking the Data and its Implications for Investors

This ebook provides a comprehensive analysis of the Ibbotson Size Premium in 2022, exploring its performance, underlying factors, and implications for investment strategies. We'll examine recent research, dissect the data, and offer practical advice for investors seeking to understand and utilize this key market phenomenon.

Ebook Outline:

Introduction: Understanding the Size Premium

Chapter 1: Ibbotson Size Premium Data for 2022: A Detailed Analysis

Chapter 2: Factors Influencing the Size Premium in 2022

Chapter 3: Small-Cap vs. Large-Cap Performance Comparison in 2022

Chapter 4: Investment Strategies Leveraging the Size Premium

Chapter 5: Risk Management Considerations for Size Premium Investing

Chapter 6: The Future of the Size Premium: Predictions and Trends

Chapter 7: Case Studies: Successful and Unsuccessful Size Premium Strategies

Conclusion: Key Takeaways and Actionable Insights

Detailed Breakdown:

Introduction: Understanding the Size Premium: This section defines the size premium, explaining its

historical context, the concept of market capitalization, and its significance within investment theory (e.g., Fama-French three-factor model). We will establish the importance of understanding the size premium for both individual and institutional investors.

Chapter 1: Ibbotson Size Premium Data for 2022: A Detailed Analysis: This chapter will present a detailed analysis of the Ibbotson Associates data (or equivalent reputable data source) for 2022, examining the return differentials between small-cap and large-cap stocks. We will visually represent the data through charts and graphs, illustrating performance trends throughout the year and comparing it to historical averages.

Chapter 2: Factors Influencing the Size Premium in 2022: This chapter will explore various macroeconomic and market factors that potentially influenced the size premium's performance in 2022. This could include interest rate changes, inflation, geopolitical events, investor sentiment, and specific sector performance. We'll delve into research to support these analyses.

Chapter 3: Small-Cap vs. Large-Cap Performance Comparison in 2022: This section provides a direct comparison of the performance of small-cap and large-cap stocks in 2022, highlighting key differences and explaining the potential reasons behind the observed variations. We will also examine sector-specific performance within each capitalization range.

Chapter 4: Investment Strategies Leveraging the Size Premium: This chapter will discuss various investment strategies designed to capitalize on the size premium. Examples could include actively managed small-cap funds, passively managed small-cap ETFs, and even strategies involving factor-based investing. We will analyze the pros and cons of each approach.

Chapter 5: Risk Management Considerations for Size Premium Investing: Small-cap stocks generally carry higher risk. This chapter explores the increased volatility associated with small-cap investments and strategies for mitigating this risk, such as diversification, appropriate asset allocation, and thorough due diligence.

Chapter 6: The Future of the Size Premium: Predictions and Trends: This chapter will analyze future forecasts for the size premium, based on current market trends and expert opinions. We will discuss potential shifts in market dynamics that could impact the size premium in the coming years, considering factors such as technological disruption and global economic conditions.

Chapter 7: Case Studies: Successful and Unsuccessful Size Premium Strategies: This chapter presents real-world case studies of investment strategies that have successfully leveraged the size premium and those that have not. Analyzing these examples will provide practical lessons and insights for investors.

Conclusion: Key Takeaways and Actionable Insights: This section summarizes the key findings of the ebook, provides practical advice for investors based on the analysis, and emphasizes the importance of ongoing research and adaptation in investment strategies involving the size premium.

Ibbotson Size Premium 2022: FAQs

1. What is the Ibbotson Size Premium? The Ibbotson Size Premium refers to the historically observed

higher returns of small-cap stocks compared to large-cap stocks.

2. Did the size premium hold up in 2022? The performance of the size premium in 2022 varied depending on the specific index and methodology used. Analysis of the data is crucial to determine its behavior in that specific year.
3. What factors affected the size premium in 2022? Macroeconomic conditions like inflation, interest rate hikes, and geopolitical uncertainty significantly impacted the size premium's performance in 2022.
4. How can I invest in the size premium? You can invest in the size premium through small-cap mutual funds, ETFs, or by directly investing in individual small-cap stocks. However, remember higher risk is associated.
5. What are the risks of investing in the size premium? Small-cap stocks are significantly more volatile than large-cap stocks, carrying higher risk of loss.
6. Is the size premium a guaranteed return? No, the size premium is not a guaranteed return. Past performance does not predict future results.
7. How does the size premium fit into modern portfolio theory? The size premium is a factor considered in modern portfolio theory, particularly within multi-factor models like Fama-French.
8. What are some alternative investment strategies to consider? Diversification into other asset classes like bonds, real estate, or alternative investments is recommended to balance risk.
9. Where can I find reliable data on the Ibbotson Size Premium? Reputable financial data providers like Ibbotson Associates (now Morningstar), Bloomberg, and Refinitiv offer relevant data.

Related Articles:

1. Small-Cap Investing Strategies for 2023: Discusses various strategies for investing in small-cap stocks, including sector-specific approaches and risk management techniques.
2. The Fama-French Three-Factor Model and Size Premium: Explores the theoretical underpinnings of the size premium within the Fama-French model.
3. Impact of Inflation on Small-Cap Stock Performance: Analyzes the relationship between inflation and the performance of small-cap companies.
4. Risk Management in Small-Cap Investing: Focuses on risk management techniques specifically tailored for small-cap investments.
5. Comparing Small-Cap ETFs: A Comprehensive Guide: Reviews and compares various small-cap exchange-traded funds (ETFs) available in the market.
6. The Role of Market Sentiment in Size Premium Performance: Explores how investor sentiment

influences the performance of small-cap stocks.

7. Long-Term Performance of the Size Premium: Examines the historical performance of the size premium over extended periods.

8. Size Premium vs. Value Premium: A Comparative Analysis: Compares the size premium with the value premium, another significant factor in investment strategies.

9. Active vs. Passive Management of Small-Cap Portfolios: Compares the effectiveness of active and passive management strategies for small-cap investments.

ibbotson size premium 2022: 2017 Stocks, Bonds, Bills, and Inflation (SBBI) Yearbook

Roger Ibbotson, Roger J. Grabowski, James P. Harrington, Carla Nunes, 2017-04-10 The latest, most complete data for more informed investment decisions The 2017 Stocks, Bonds, Bills, and Inflation (SBBI) Yearbook is the industry standard performance data reference, with comprehensive records dating back to 1926. Covering common stocks, long-term government bonds, long-term corporate bonds, Treasury bills, and the Consumer Price Index, this book provides the essential information advisors, planners, and brokers need to analyze asset class performance. Historical return figures include the riskless rate of interest, equity risk premium, bond default premium, and the maturity premium between the return on long-term governments and Treasury bills, and total returns and index values cover large and small company stocks, long- and intermediate-term government bonds, inflation, and more. Charts and graphs allow for quick visual reference, and a clear hierarchical organization pattern facilitates efficient data location. As the go-to reference for information and capital market returns, this book provides investors with the critical background they need to analyze future investments. With the most complete historical data available, investors will be able to: Find annual index levels and total rates of return for five basic asset series Access historical return figures for four component series Estimate cost-of-capital based on comprehensive, reliable data Make informed judgments about future investment opportunities Performance analysis is critical to successful investing, but the analysis can only be as useful as the data is accurate. Decisions made from scant information are not good investment decisions; investors need complete, top-quality data to make informed choices and properly balance risk with reward. The 2017 Stocks, Bonds, Bills, and Inflation (SBBI) Yearbook is the definitive study of historical capital market data in the United States, and the gold-standard reference industry-wide.

ibbotson size premium 2022: Financial Valuation James R. Hitchner, 2024-12-05 A

comprehensive guide to the theory and application of valuation, along with useful models, tools, and tips for analysts Financial Valuation: Applications and Models provides authoritative reference and practical guidance on the appropriate, defensible way to prepare and present business valuations. With contributions by 30 top experts in the field, this updated edition provides an essential resource for those seeking the most up-to-date methods, with a strong emphasis on applications and models. Coverage includes the latest approaches to the valuation of closely held businesses, nonpublic entities, intangibles, and other assets, with comprehensive discussion on valuation theory, a consensus view on application, and the tools to make it happen. This 5th edition has been revised throughout, introducing new and extended coverage of essential topics like: S Corps, discounts for lack of marketability, cost of capital resources, cash flow methods, depositions and trials, and more. Packed with examples, checklists, and models to help navigate valuation projects, this book is an excellent practical tool for working professionals. It also provides hundreds of expert tips and best practices in clear, easy-to-follow language. The companion website provides access to extensive appendix materials, and the perspectives of valuation thought leaders add critical insight. Learn the art and science of estimating the value of businesses, including closely held businesses and nonpublic entities Determine the monetary value of intangible assets like goodwill, intellectual

property, and brand recognition Update your knowledge with the latest valuation methods, approaches, and tools Use checklists, templates, models, and examples to make your valuations easier Business valuation analysts, CPAs, appraisers, and attorneys—as well as anyone aspiring to those careers—will appreciate the comprehensive theory and thorough practical guidance in *Financial Valuation: Applications and Models*.

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how to develop the intuition and skills that would allow you to determine the appropriate or reasonable approach to take regardless of what situation may arise in the future. Also including in-depth case studies of Walmart and Tesla, this book examines concepts like projections, discount rates, terminal value, and relative valuation to equip students, practitioners, and the general reader with a better understanding of the methods that will help them build their own framework to value businesses and analyze valuation issues.

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and expanded Second Edition include chapters on Economic Value Added (EVA) and reconciling cost of capital in the income approach with valuation multiples in the market approach, as well as expanded coverage of cost of capital in the courts and handling discounts for marketability. Cost of Capital remains an incomparable resource for all parties interested in effective business valuation.

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ibbotson size premium 2022: Venture Capital and the Finance of Innovation Andrew Metrick, Ayako Yasuda, 2011-06-15 This useful guide walks venture capitalists through the principles of finance and the financial models that underlie venture capital decisions. It presents a new unified treatment of investment decision making and mark-to-market valuation. The discussions of risk-return and cost-of-capital calculations have been updated with the latest information. The most current industry data is included to demonstrate large changes in venture capital investments since 1999. The coverage of the real-options methodology has also been streamlined and includes new connections to venture capital valuation. In addition, venture capitalists will find revised information on the reality-check valuation model to allow for greater flexibility in growth assumptions.

ibbotson size premium 2022: Equity Asset Valuation Jerald E. Pinto, Elaine Henry, Thomas R. Robinson, John D. Stowe, 2015-10-16 Navigate equity investments and asset valuation with confidence Equity Asset Valuation, Third Edition blends theory and practice to paint an accurate, informative picture of the equity asset world. The most comprehensive resource on the market, this text supplements your studies for the third step in the three-level CFA certification program by integrating both accounting and finance concepts to explore a collection of valuation models and challenge you to determine which models are most appropriate for certain companies and circumstances. Detailed learning outcome statements help you navigate your way through the content, which covers a wide range of topics, including how an analyst approaches the equity valuation process, the basic DDM, the derivation of the required rate of return within the context of Markowitz and Sharpe's modern portfolio theory, and more. Equity investments encompass the buying and holding of shares of stock in the anticipation of collecting income from dividends and capital gains. Determining which shares will be profitable is key, and an array of valuation techniques is applied on today's market to decide which stocks are ripe for investment and which are best left out of your portfolio. Access the most comprehensive equity asset valuation text on the market Leverage detailed learning outcome statements that focus your attention on key concepts, and guide you in applying the material accurately and effectively Explore a wide range of essential topics, such as the free cash flow approach, valuation using Graham and Dodd type concepts of earning power, associated market multiples, and residual income models Improve your study efforts by leveraging the text during your CFA certification program prep Equity Asset Valuation, Third

Edition is a comprehensive, updated text that guides you through the information you need to know to fully understand the general analysis of equity investments.

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insights from mathematics, economics and psychology to crack the mysteries of the market, hedge funds have transformed the world, spawning new markets in exotic financial instruments and rewriting the rules of capitalism. And while major banks, brokers, home lenders, insurers and money market funds failed or were bailed out during the crisis of 2007-9, the hedge-fund industry survived the test, proving that money can be successfully managed without taxpayer safety nets. Anybody pondering fixes to the financial system could usefully start here: the future of finance lies in the history of hedge funds.

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investors. It will be the definitive reference in the field and consulted for years to come.

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support their consumption. At the theoretical level, it is well understood that the solution to a long-term portfolio choice problem can be very different from the solution to a short-term problem. Long-term investors care about intertemporal shocks to investment opportunities and labor income as well as shocks to wealth itself, and they may use financial assets to hedge their intertemporal risks. This should be important in practice because there is a great deal of empirical evidence that investment opportunities—both interest rates and risk premia on bonds and stocks—vary through time. Yet this insight has had little influence on investment practice because it is hard to solve for optimal portfolios in intertemporal models. This book seeks to develop the intertemporal approach into an empirical paradigm that can compete with the standard mean-variance analysis. The book shows that long-term inflation-indexed bonds are the riskless asset for long-term investors, it explains the conditions under which stocks are safer assets for long-term than for short-term investors, and it shows how labor income influences portfolio choice. These results shed new light on the rules of thumb used by financial planners. The book explains recent advances in both analytical and numerical methods, and shows how they can be used to understand the portfolio choice problems of long-term investors.

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abandoned slaughterhouse at the edge of town. But when her aunt disappears into the building, Evie goes searching for her. There she meets The Clackity, a creature who lives in the shadows and seams of the slaughterhouse. The Clackity makes a deal with Evie to help get Des back in exchange for the ghost of John Jeffrey Pope, a serial killer who stalked Blight Harbor a hundred years earlier. Evie reluctantly embarks on a journey into a strange otherworld filled with hungry witches, penny-eyed ghosts, and a memory-thief, all while being pursued by a dead man whose only goal is to add Evie to his collection of lost souls. Will she ever find Des, or is The Clackity planning something far more sinister?

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that the expected return of any security is a linear function of not only its systematic risk (beta) but also of all security characteristics that investors care about. The other major contribution of the book is new empirical work that, while confirming the well-known premiums (such as size, value, and liquidity) in a popularity context, supports the popularity hypothesis on the basis of portfolios of stocks based on such characteristics as brand value, sustainable competitive advantage, and reputation. Popularity unifies the factors that affect price in classical finance with those that drive price in behavioral finance, thus creating a unifying theory or bridge between classical and behavioral finance.

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prepared will be left behind. Those who are will step up to some lucrative and challenging work. To help get the work done, Harold Evensky and Deena Katz—both veteran problem solvers—have tapped the talents of a range of experts whose breakthrough thinking offers solutions to even the thorniest issues in retirement-income planning: Sustainable withdrawals Longevity risk Eliminating luck as a factor in planning Immediate annuities, reverse mortgages, and viatical and life settlements Strategies for increasing retirement cash flow In Retirement Income Redesigned, the most-respected names in the industry discuss these issues and a range of others.

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