Rob Powell, CFA Lead product Strategist for Thematics

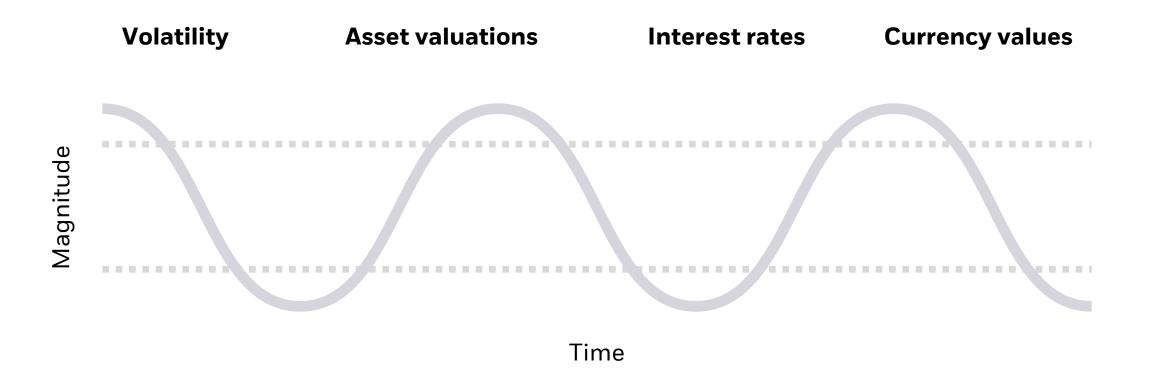
September 2019



Why Thematics?

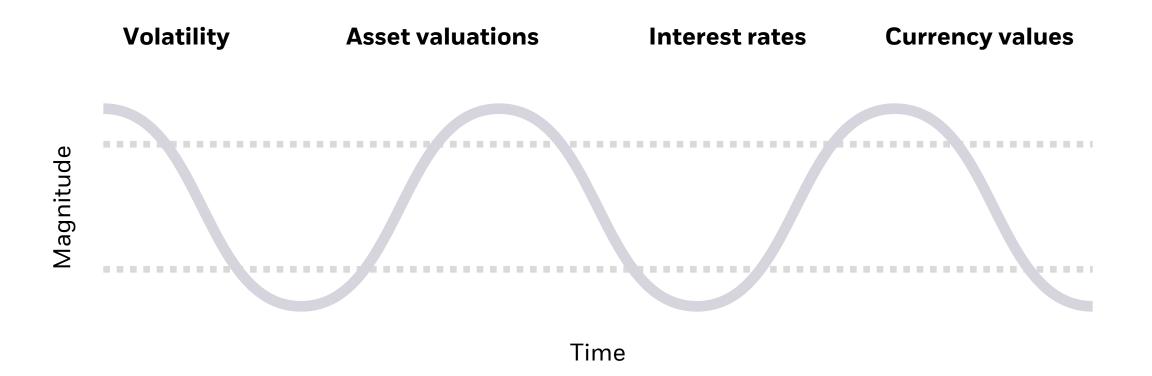
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Cyclical themes



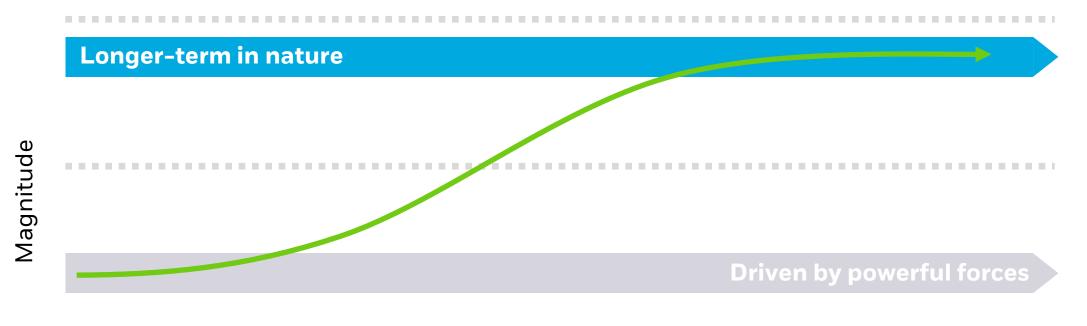
For illustrative purposes only.

Cyclical themes



For illustrative purposes only.

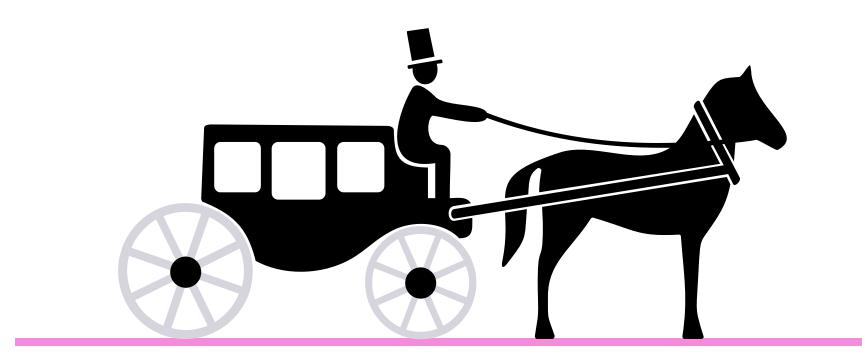
Structural themes



Time

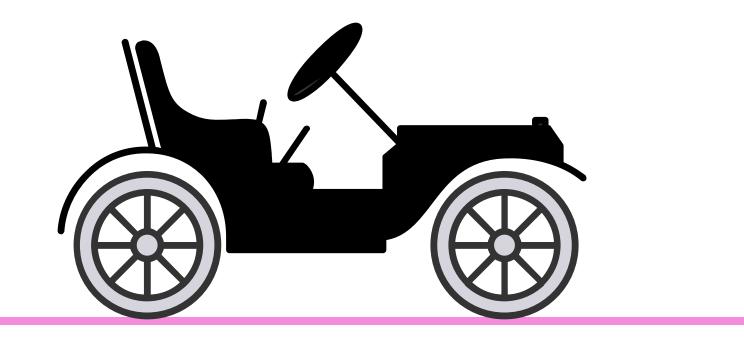
For illustrative purposes only.

Horses vs cars



Source: FHWA, IMF, Fisher (1974). For illustrative purposes only.

20 years to 95%



Source: FHWA, IMF, Fisher (1974). For illustrative purposes only.

Televisions in American households

Source: Library of Congress/Grolier Encyclopedia, 2018. For illustrative purposes only.

1946 **0.00%**

Televisions in American households

Source: Library of Congress/Grolier Encyclopedia, 2018. For illustrative purposes only.

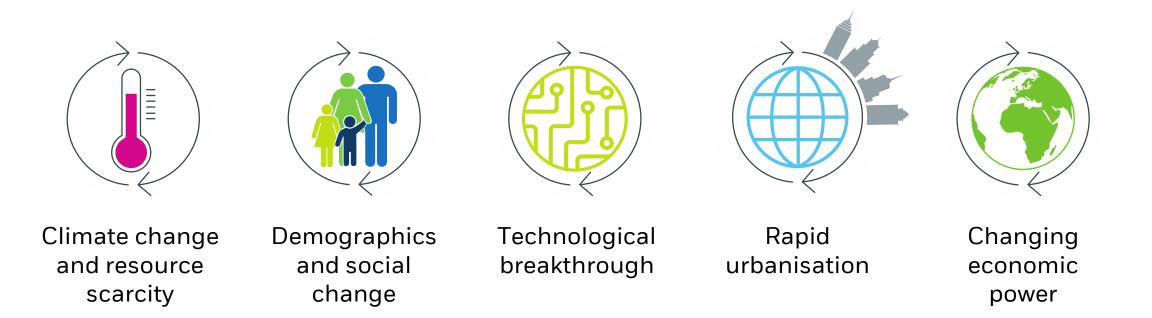
1946 **0.01%**

Televisions in American households

Source: Library of Congress/Grolier Encyclopedia, 2018. For illustrative purposes only.

1960 0.01%

Megatrends



For illustrative purposes only.

Why now?

Rapid urbanisation

In 2019, over 50% of Asia's citizens are expected to live in urban areas for the first time.

Source: Hing, E, Hsiao, C. US-Gesundheitsministerium. State Variability in Supply of Office-based Primary Care Providers: United States 2012. NCHS Data Brief, No. 151, Mai 2014. For illustrative purposes only.

50%

12

Rapid urbanisation

In 2019, over 50% of Asia's citizens are expected to live in urban areas for the first time.

50%

2019

Source: Hing, E, Hsiao, C. US-Gesundheitsministerium. State Variability in Supply of Office-based Primary Care Providers: United States 2012. NCHS Data Brief, No. 151, Mai 2014. For illustrative purposes only.

Technological Breakthrough

2018 is set to be the first year when over half of the world's population will have access to the Internet. COONDECTIED

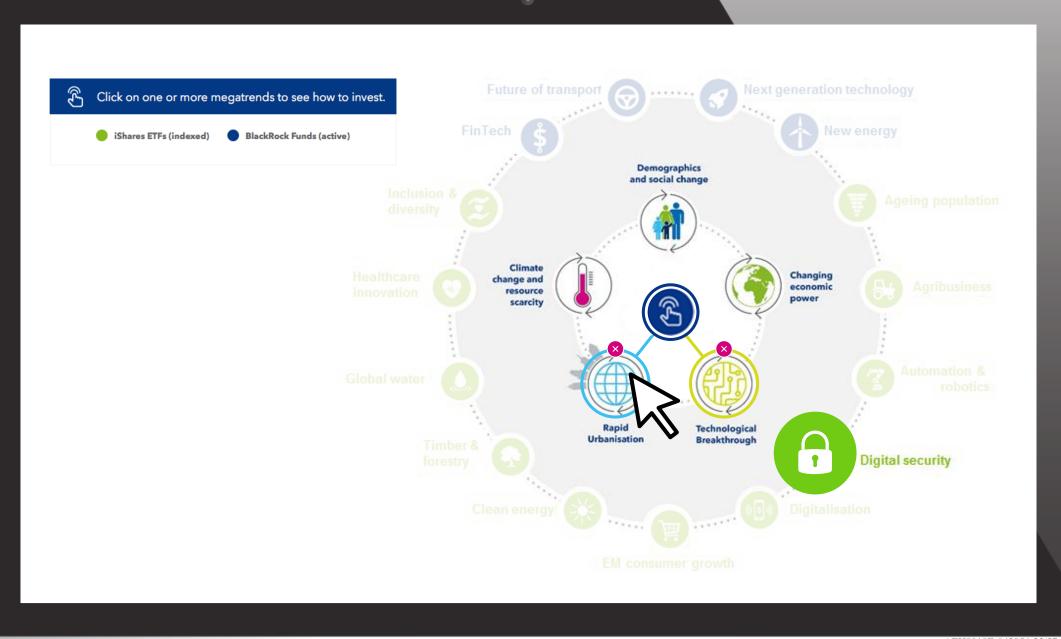
Source: United Nations, 2018. For illustrative purposes only.

HOW?















Digital Security

AEH0919E-942054-25/37

Source: IHS Markit, 2016. For illustrative purposes only.

Devices connected to the Internet

2025 **75bn** 2023 **50bn** 2021 **35bn** 2019 **28bn** 2017 **20bn** 2015 **15bn**





WHAT PEOPLE WILL SACRIFICE **FOR 'SCREEN** TIME' **79**%

willing to give

Source: BCG Consumer Surplus Survey, September 2014. For illustrative purposes only.



DATA BREACHES IN THE U.S.

(in millions)



Source: ITRC, 2017 ITR Annual Data Breach Year-End Review, as at February 2018.

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Chi	na					
Tur	key					
Taiv	wan					
Gua	atemala					
Ecu	lador					
Rus	sia					
Per	u					
Me	xico					
Ven	ezuela					
Brazil						
0%	10%	20%	30%	40%		

Malware infection rates

50%

(Q4 2016)

Source: APWG, Phishing Activity Trends Report 4th Quarter 2016; as of February 2017.



Chi	na					
Tur	key					
Taiv	wan					
Gua	atemala					
Ecu	ıador					
Rus	sia					
Per	u					
Mexico						
Venezuela						
Bra	zil					
0%	10%	20%	30%	40%		

Malware infection rates

50%

(Q4 2016)

Source: APWG, Phishing Activity Trends Report 4th Quarter 2016; as of February 2017.

The three sub-themes within digital security

Ĩ 11% G4S Cisco **Physical Brinks** F5 Networks **Securitas Texas Instruments** Pala Alto Verifone Juniper Indenico Cyber Hardware Azbil

Source: Factset, Stoxx, BlackRock; as of June 2018. For illustrative purposes only, characteristics subject to change. Reference to the names of each company mentioned in this communications is merely for explaining the investment strategy, and should not be construed as investment advice or investment recommendation of those companies. Blackrock has not acquired any rights or license to reproduce the trademarks, logos and images set out in this document. The trademarks, logos and images set out in this document are used only for the purposes of this presentation.



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Fund Risks

iShares Electric Vehicles and Driving Technology UCITS ETF USD (Acc)

Concentration Risk, Counterparty Risk, Equity Risk, Investment in Technology Securities Risk, Smaller Companies Risk

iShares Ageing Population UCITS ETF

Concentration Risk, Counterparty Risk, Emerging Markets Risk, Equity Risk, Liquidity Risk, Smaller Companies Risk

iShares Agribusiness UCITS ETF

Concentration Risk, Counterparty Risk, Equity Risk, Investments in Agriculture Securities Risk

iShares Automation & Robotics UCITS ETF

Concentration Risk, Counterparty Risk, Derivatives Risk, Emerging Markets Risk, Equity Risk, Investment in Technology Securities Risk, Liquidity Risk, Non-Investment Grade Risk, Smaller Companies Risk

iShares Digital Security UCITS ETF USD (Acc)

Concentration Risk, Counterparty Risk, Emerging Markets Risk, Equity Risk, Investment in Technology Securities Risk, Liquidity Risk, Smaller Companies Risk

iShares Digitalisation UCITS ETF

Concentration Risk, Counterparty Risk, Derivatives Risk, Emerging Markets Risk, Equity Risk, Investment in Technology Securities Risk, Liquidity Risk, Non-Investment Grade Risk, Smaller Companies Risk

iShares Global Clean Energy UCITS ETF

Concentration Risk, Counterparty Risk, Emerging Markets Risk, Equity Risk, Investments in the Global Clean Energy Industry Risk

iShares Global Timber & Forestry UCITS ETF

Concentration Risk, Counterparty Risk, Emerging Markets Risk, Equity Risk, Investments in the Timber and Forestry Industry Risk

iShares Healthcare Innovation UCITS ETF

Concentration Risk, Counterparty Risk, Derivatives Risk, Emerging Markets Risk, Equity Risk, Liquidity Risk, Smaller Companies Risk

iShares MSCI EM Consumer Growth UCITS ETF

Counterparty Risk, Currency Risk, Derivatives Risk, Emerging Markets Risk, Equity Risk, Liquidity Risk

iShares. by BlackRock

BGF Future of Transport Fund

Emerging Markets risk, specific sectors risk, smaller company investments risk, equity risk, stock connect risk

BGF Nutrition Fund

Exchange rate risk, specific sectors risk, equity risk

BGF Sustainable Energy Fund

Exchange rate risk, specific sectors risk, smaller company investments risk, Emerging Markets risk

BGF Fintech Fund

Emerging Markets risk, specific sectors risk, smaller company investments risk, equity risk, concentration risk, stock connect risk

BGF Next Generation Technology Fund

Emerging Markets risk, specific sectors risk, smaller company investments risk, equity risk, stock connect risk

Description of Fund Risks

Concentration Risk: Investment risk is concentrated in specific sectors, countries, currencies or companies. This means the Fund is more sensitive to any localised economic, market, political or regulatory events.

Counterparty Risk: The insolvency of any institutions providing services such as safekeeping of assets or acting as counterparty to derivatives or other instruments, may expose the Share Class to financial loss.

Emerging Markets Risk: Emerging markets are generally more sensitive to economic and political conditions than developed markets. Other factors include greater 'Liquidity Risk', restrictions on investment or transfer of assets and failed/delayed delivery of securities or payments to the Fund.

Equity Risk: The value of equities and equity-related securities can be affected by daily stock market movements. Other influential factors include political, economic news, company earnings and significant corporate events.

Investment in Technology Securities Risk: Investments in the technology securities are subject to absence or loss of intellectual property protections, rapid changes in technology, government regulation and competition.

Liquidity Risk: Lower liquidity means there are insufficient buyers or sellers to allow the Fund to sell or buy investments readily.

Smaller Companies Risk: Shares in smaller companies typically trade in less volume and experience greater price variations than larger companies.

Stock Connects Risk: Funds that may invest in China A-Shares via the Stock Connects (meaning each of the Shanghai-Hong Kong Stock Connect and the Shenzhen-Hong Kong Stock Connect and collectively the "Stock Connects") will be subject to additional risks associated with such investment, including risks associated with investment in China generally, quota limitations which apply to such investments, regulatory and legal risk, clearing and settlement and suspension risk, trading and operational risk.

Specific Sector: The fund invests in a limited number of market sectors. Compared to investments which spread investment risk through investing in a variety of sectors, share price movements may have a greater effect on the overall value of this fund.

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For investors in Denmark

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For investors in Finland

The funds mentioned are registered for public distribution in Finland and are authorised by the Finanssivalvonta (Fiva), the Financial Supervisory Authority (FIN-FSA), in Finland. Any decision to invest must be based solely on the information contained in the Company's Prospectus, Key Investor Information Document and the latest half-yearly report and unaudited accounts and/or annual report and audited accounts. Investors should read the fund specific risks in the Key Investor Information Document is strictly confidential and may not be distributed without authorisation from BlackRock.

For investors in France

Any subscription for shares in a sub-fund of one of the companies will be carried out according to the conditions specified in the full Prospectus, Key Investor Information Document, the French Addendum and in the Supplements of Companies as the case may be. These documents can be obtained by contacting the paying agent of the Company: BNP Paribas Securities Services, 3 rue d'Antin, 75002 Paris, tel: 00 33 1 42 98 10 00 or by visiting the French part of the site www.iShares.eu. The companies are undertakings for collective investment in transferable securities (UCITS) governed by foreign laws and approved by the Financial Regulator in the home state as a UCITS complying with European regulations. The European Directive 2009/65/EC of July 13, 2009 on UCITS, as amended, establishes common rules in order to allow the cross-border marketing of UCITS which comply with it. This common foundation did not prohibit different methods of implementation. This is why a European UCITS may be marketed in France even though the activity of such scheme would not respect rules identical to those which govern the approval of this type of product in France. This sub fund has been authorized for marketing in France by the Autorité des Marchés Financiers. Please note that the distribution of shares of some sub funds of funds is not allowed in France. This document does not constitute an offer or a solicitation in relation to the shares of the funds.

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For investors in Italy

Any application for shares in the funds is on the terms of the Prospectus for the Companies. The Shares of certain sub-funds in the Companies have been admitted to listing in Italy and are currently listed on the Mercato Telematico Fondi of Borsa Italiana S.p.A. The list of the sub-funds listed in Italy, the Prospectus, of the Companies, the Documento di quotazione of the iShares funds, the latest annual and semi annual report of the Companies are published (i) on the Companies' internet website at the address www.iShares.com (ii) on Borsa Italiana S.p.A's website at the address www.borsaitalia.it. These documents are available for the public in Italian version with certification that such documents are a faithful translation of the original documents. Investors are entitled to receive free of charge, even at home, a copy of the above documents, upon written request forwarded to the Companies. For comprehensive information on the expenses charged to a fund and fees applicable to investors, see the Document od i quotazione and the Prospectus. Any decision to invest must be based solely on the information contained in the Company's Prospectus. Rey Investor Information Document and the latest half-yearly report and unaudited accounts and/or annual report and audited accounts. Investores should read the fund specific risks in the Key Investor Information about the Fund and the Share Class, such as details of the key underlying investments of the Share Class and share prices, is available on the iShares. The indicative intra-day net asset value of the Share Class is available at http://deutsche-boerse.com and/or http://www.reuters.com. Investors who are not Authorised Participants must buy and sell shares on a secondary market with the assistance of an intermediary (e.g. a stockbroker) and may incur fees and additional taxes in doing so. In addition, as the market price at which the Share sere traded on the secondary market may differ from the Net Asset Value per Share when selling them.

For investors in Luxembourg

The Companies have been notified to the Commission de Surveillance du Secteur Financier in Luxembourg in order to market their shares for sale to the public in Luxembourg and the Companies are notified Undertaking in Collective Investment for Transferable Securities (UCITS). The Companies have not been listed on the Luxembourg Stock Exchange, investors should contact their broker for further information. Investment is subject to the Prospectus, Key Investor Information Document and all documents (the main/umbrella Prospectus, the Supplement[s], the latest and any previous annual and semi-annual reports of the Companies and the Memorandum and Articles of Association of the Companies) will be available in the Luxembourg, free of charge, from the offices of the Local Agent, BNP Paribas Securities Services, Luxembourg Branch 33, rue de Gasperich Howald – Hesperange L-2085 Luxembourg or by visiting the website on www.iShares.com. Investors should read the fund specific risks in the Key Investor Information Document and the Company's Prospectus.

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For investors in the Netherlands

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For investors in the UK

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