

2021/04

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Functionalized Cellulose Decontamination Agent Vanja Kokol
2021

Insight Turkey 2021/04: Turkey's Grand Strategy 2021-12-01

With extensive international changes taking place in the last three decades, such as the collapse of the bipolar world system, the dismemberment of the Soviet Union, the declining hegemony of the U.S., the lack of global leadership, and the rise of challenging global powers, like any other regional power, Turkey has initiated a comprehensive conceptual and theoretical transformation and a process of restructuring in its foreign policy understanding. Turkey has gone beyond the typical realist understanding and begun to develop a new foreign policy perspective that considers moral values. While some consider this new perspective as a 'civilizational approach,' others call it 'moral realism.' While some consider this transformation as an 'axis shift,' others consider it as the 'normalization of Turkey.' This large-scale change in Turkish foreign policy, during the governance of the AK Party, has led the state leadership to search for reformulation of the Turkish grand strategy. To achieve an influential role in international politics, Turkey has transformed its foreign policy orientation, which can be analyzed within three complementary contexts, namely national,

regional, and international/global. First, Turkey has been experiencing groundbreaking changes in the national context. Under the leadership of Recep Tayyip Erdoğan there has been a long-term political stability, which allowed Turkey to take significant steps in foreign policy. The strong personality of President Erdoğan provided a convenient atmosphere to execute effective leadership diplomacy. Especially after the military coup attempt on July 15, 2016, Erdoğan has reformed the state structure by ending the traditional bureaucratic tutelage and consolidating the civilian and political administration. After the reconciliation between the state and the people, the greatest transformation was made in the redefinition of the responsibilities of Turkish security. The Turkish national intelligence and the armed forces have abandoned their inward-looking perspective and begun to act as real foreign policy actors. This redefinition has increased Turkey's hard power in the execution of foreign policy. Furthermore, newly established state institutions such as the Turkish Cooperation and Coordination Agency (TİKA), Presidency for Turks Abroad and Related Communities (Yurtdışı Türkler, YTB), Yunus Emre Institute, and Disaster and Emergency Management Presidency (AFAD) have provided an enormous soft power capability for Turkey. During the last two decades, Turkey has

greatly developed its defense industry, which is one of the preconditions of following a relatively independent foreign policy. Turkey has begun to produce most of the ammunition, weapons and especially the unmanned combat aerial vehicles (UCAVs), required for its struggle against terrorism and for deterring external threats. The production of native UCAVs such as Bayraktar TB2, Bayraktar AKINCI, TUSAŞ ANKA, and Vestel Karayel, Turkey has increased its military effectiveness both in its struggle against terrorism and in different regional crises such as Syria, Libya, and Nagorno-Karabakh and now has the capacity to act alone and to pursue an Ankara-centered independent foreign policy. Second, Turkey has been seeking effective leadership in the regional context and is determined to eliminate vital threats emanating from non-state actors beyond their borders. Turkey has carried out four effective military interventions into the north part of Syria followed by efforts to improve its cooperation with both immediate and remote neighbors. It has established strategic relations with some regional countries such as Libya, Qatar, and Somalia, while starting to take initiatives and thus has emerged as a regional game-changer in the region. It effectively reacts to regional projections of regional and global powers (Iranian and Israeli expansionism, destabilization efforts of Saudi Arabia and the United Arab Emirates) on the one hand and develops its own regional projects on the other. One of the most important priorities of Turkey is regional stabilization. Therefore, it has been following an active and non-sectarian regional policy. Third, Turkey has been seeking a high level of autonomy and global status. The country has been asking for the restoration and reformation of the global system. On the one hand, it invites the West to respect its own values and principles. On the other hand, it demands a more just and more inclusive international system, for example asking for the reformation of international institutions such as the United Nations. One of the main indications of Turkey's new political discourse is the motto crafted by Turkish President Erdoğan "The

World Is Bigger than Five." Turkey desires more autonomy in international relations and therefore it developed a multi-dimensional, sectoral, and diversified foreign policy orientation. For this reason, it tries to improve its relations with all global powers representing different political perspectives such as the U.S., Russia, and China. In order to extend its outreach to and initiate new openings in other parts of the world, Turkey has been providing humanitarian and developmental aid to many countries and thus is increasing its soft power worldwide. In other words, it is trying to be one of the global players and to set the global agenda. Therefore, Turkey has been trying to be active in all related regional and global international organizations. All in all, Turkey has been working to materialize its grand strategy at three different layers, namely the quest for an independent and Ankara-centered based foreign policy understanding, the quest for regional leadership, and the quest for an autonomous and effective global status. Turkey has recently taken many critical measures by increasing its soft power through which it provides humanitarian and developmental aid worldwide, its hard power by developing its national defense industry and military interventions to regional crises, and its productivity power with the successes in industrial and technological sectors. Taking all these developments into consideration, this new issue of Insight Turkey focuses on the transformation of Turkey's grand strategy. Three commentaries and six articles will help the readers to understand better Turkey's current position at a regional and global level. In the light of the changes the international system has gone through, Hasan Yükselen's article explores the ill-suited features of mainstream debates and theorizing from a Turkish perspective. Yükselen argues that Turkey has a long pursued grand strategy, but new concepts can enhance its ability to strategize and can enrich the recently emerged vibrant debates exploring Turkey's grand strategy. How compatible is Turkey's grand strategy with the grand strategies of global great powers? A crucial question

Şener Aktürk's study seeks to answer. The article provisionally concludes that the Turkish grand strategy seems to be most compatible, or least incompatible, with the British grand strategy, followed by the U.S.', whereas Turkish and French and especially Russian grand strategies seem particularly incompatible. By claiming that the international order significant transformation enforced Turkey to relocate its international position, Murat Yeşiltaş and Ferhat Pirinççi analyze how Turkey should adjust its grand strategy under the changing international order and protect its important interests by developing a comprehensive grand strategy. The analysis of Turkey's grand strategy would be incomplete if no special focus was put on its bilateral relations with global or regional actors such as Russia, Middle East North Africa (MENA), and African countries. Alperen Kürşad Zengin and İlyas Topsakal explain the common aspects of the grand strategies of Turkey and Russia. This piece evaluates the policies of both countries in Syria, Libya, and the South Caucasus where the interests of both intersect and occasionally conflict. Today, soft power plays an important role in advancing states' foreign policy goals and Turkey pays special attention to the development and maintenance of its soft power. Ali Omid's commentary uses a descriptive-analysis approach to address the components of Turkey's soft power in the MENA region in the years 2011-2020, the second decade of AK Party governance. Turkish-African relations have consistently exhibited strong growth since Ankara declared 2005 as the year of Africa. In this regard, Abdinor Dahir's commentary argues that Turkey's growing footprint in Africa will likely continue to produce positive results for both sides. Within the same scope, Abdennour Toumi examines how Algeria-Turkey's ambitious strategic rapprochement will affect France's Sahel policy. The commentary reviews the ongoing diplomatic tensions between Algiers and Paris following President Emmanuel Macron's cutting back on visas granted to Maghreb citizens and his comments on the existence of an Algerian nation before the

French invasion and later colonization in 1832. In terms of economic diplomacy, Kaan Yiğenoğlu investigates the Turkey-UK free trade agreement which came into force in 2021. Yiğenoğlu analyzes the economic relations between the two countries and examines the details of the agreement in the context of the changes that it provides. This issue of Insight Turkey, through off-topic pieces, covers very significant issues related to Karabakh War, Gulf rivalry, and developments in the Balkans. Examining the attitudes of international actors during the 44-day Karabakh war is important as they affected the international balances in the Caucasus. Nazim Jafarov and Araz Aslanlı focus on Russia's attitude as it was of special importance. The article carefully examines the policy followed by Russia during and after the 44-day Karabakh war and its main and parallel pillars. By focusing on Turkey as a rising drone power, the role and impact of Turkey's military support, especially its drones, on Azerbaijan's Nagorno-Karabakh victory is highlighted by Hülya Kınık and Sinem Çelik. This article argues that Turkey's political, diplomatic, and military contributions to Azerbaijan will likely be discussed on the global agenda for years to come. With regard to the recent developments in the Gulf, Mustafa Menshawy and Simon Mabon's commentary argues that the Saudi-Qatari tensions lie in conflicting perspectives about the role of political Islam within the fabric of both states and their actions regionally. Menshawy and Mabon believe that the rivalry stems from contrasting relations between political and religious elites in each country which has taken on increasing political importance in tensions between Riyadh and Doha. Meanwhile, Mehmet Rakipoğlu's commentary focuses on another dimension as he provides an analysis of the role of the Gulf over the Sudanese transition period concluding that the UAE and Saudi Arabia, using petrodollars as a tool, are directly engaging in Sudan's transition period. Kemal İnat and Melih Yıldız in their article discuss the rise of China in the light of economic and military data and what the challenge from China means for the

global leadership of the U.S. In this context, an answer has been sought to the question of what will be the consequences of the rise of China in terms of the international political system. The last off-topic article written by Andrej Semenov analyzes the Washington Agreement (WA) in the context of EU efforts to facilitate the dialogue between Kosovo and Serbia. Semenov claims that the agreement commits Kosovo to the mini-Schengen and brings a novelty into the dynamics of the Belgrade-Pristina relationship. With one more year coming to an end, we are pleased to present to our readers yet another insightful issue of Insight Turkey that has attempted to bring a comprehensive analysis of Turkey's grand strategy and highlight its current regional and international role and status. Hopefully, this issue will provide the foothold for all those interested in defining Turkey's grand strategy. We are looking forward to providing you with more next year!

Your Turn Julie Lythcott-Haims 2021-04-06 New York Times bestselling author Julie Lythcott-Haims is back with a groundbreakingly frank guide to being a grown-up What does it mean to be an adult? In the twentieth century, psychologists came up with five markers of adulthood: finish your education, get a job, leave home, marry, and have children. Since then, every generation has been held to those same markers. Yet so much has changed about the world and living in it since that sequence was formulated. All of those markers are choices, and they're all valid, but any one person's choices along those lines do not make them more or less an adult. A former Stanford dean of freshmen and undergraduate advising and author of the perennial bestseller *How to Raise an Adult* and of the lauded memoir *Real American*, Julie Lythcott-Haims has encountered hundreds of twentysomethings (and thirtysomethings, too), who, faced with those markers, feel they're just playing the part of "adult," while struggling with anxiety, stress, and general unease. In *Your Turn*, Julie offers compassion, personal experience, and practical strategies for living a more authentic adulthood, as well as

inspiration through interviews with dozens of voices from the rich diversity of the human population who have successfully launched their adult lives. Being an adult, it turns out, is not about any particular checklist; it is, instead, a process, one you can get progressively better at over time—becoming more comfortable with uncertainty and gaining the knowhow to keep going. Once you begin to practice it, being an adult becomes the most complicated yet also the most abundantly rewarding and natural thing. And Julie Lythcott-Haims is here to help readers take their turn.

A Legal Framework for AI Systems 2021 With this feasibility study, the CAHAI (Ad hoc Committee on Artificial Intelligence) has explored the reasons as to why a legal framework on the development, design and application of AI, based on Council of Europe's standards on human rights, democracy and the rule of law is needed. A number of substantive and procedural gaps were identified, which show that there is a need for a more comprehensive governance framework and an effective international legal response. The study concludes that a comprehensive legal framework combining binding and non-binding legal instruments, that complement each other, is the way forward.

Europe's Income, Wealth, Consumption, and Inequality

Georg Fischer 2020-10-01 European integration is focused on improving economic performance and increasing income levels in nations across the European Union. Political leaders and the media often use income trends to measure this progress, with inequality moving more and more to the forefront of these conversations. In this book, contributing authors focus on the economies within the EU, its member countries, and other European countries closely associated with the EU. The book includes an overview of economic and social trends, using long-term processes of European integration as a way to frame the discussions. Georg Fischer, Robert Strauss, and their contributors focus on explaining

how policy makers and the media focus on national trends to measure progress among the nations in Europe. They make a specific point to look at the EU as an economic and political entity whose parts are closely interlinked rather than as a conglomerate of individual countries. The contributors consider the commonalities and differences between various institutions and policies, explaining how a decision in one country might impact another. Europe's Income, Wealth, Consumption, and Inequality offers a novel approach to the analysis of social and economic trends, and the resulting book identifies major policy challenges applicable in the EU and beyond.

[Ancient Greek Lists](#) Athena Kirk 2021-03-31 Pioneering study of the cultural value attached to ancient Greek lists, catalogues, and inventories across literature and epigraphy.

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Hybrid Workplace: The Insights You Need from Harvard Business Review Harvard Business Review 2022-03-15 Reinvent your organization for the hybrid age. Hybrid work is here to stay—but what will it look like at your company? Organizations that mandate rigid, prepandemic policies of five days a week at the traditional, co-located office may risk a mass exodus of talent. But designing a hybrid office that furthers your business goals while staying true to your culture will require experimentation and rigorous planning. *Hybrid Workplace: The Insights You Need from Harvard Business Review* will help you adopt technological, cultural, and management practices that will let you seize the benefits and avoid the pitfalls of the hybrid age. Business is changing. Will you adapt or be left behind? Get up to speed and deepen your understanding of the topics that are shaping your company's future with the *Insights You Need from Harvard Business Review*

series. Featuring HBR's smartest thinking on fast-moving issues—blockchain, cybersecurity, AI, and more—each book provides the foundational introduction and practical case studies your organization needs to compete today and collects the best research, interviews, and analysis to get it ready for tomorrow. You can't afford to ignore how these issues will transform the landscape of business and society. The *Insights You Need* series will help you grasp these critical ideas—and prepare you and your company for the future.

Exercises for Programming in C++ (Version 2021-04-01)

Michael D. Adams 2021-04-01 This book presents a large collection of exercises for learning to program in C++. A study plan for learning C++ based on a collection of video lectures and supplemental reading is also provided.

The Third Pole Mark Synnott 2021-04-13 ***NPR Books We Love selection*** “If you’re only going to read one Everest book this decade, make it *The Third Pole*. . . . A riveting adventure.”—*Outside* Shivering, exhausted, gasping for oxygen, beyond doubt . . . A hundred-year mystery lured veteran climber Mark Synnott into an unlikely expedition up Mount Everest during the spring 2019 season that came to be known as “the Year Everest Broke.” What he found was a gripping human story of impassioned characters from around the globe and a mountain that will consume your soul—and your life—if you let it. The mystery? On June 8, 1924, George Mallory and Sandy Irvine set out to stand on the roof of the world, where no one had stood before. They were last seen eight hundred feet shy of Everest’s summit still “going strong” for the top. Could they have succeeded decades before Sir Edmund Hillary and Tenzing Norgay? Irvine is believed to have carried a Kodak camera with him to record their attempt, but it, along with his body, had never been found. Did the frozen film in that camera have a photograph of Mallory and Irvine on the summit before they disappeared into the clouds, never to be seen again? Kodak says the film might still be viable. . . . Mark

Synnott made his own ascent up the infamous North Face along with his friend Renan Ozturk, a filmmaker using drones higher than any had previously flown. Readers witness first-hand how Synnott's quest led him from oxygen-deprivation training to archives and museums in England, to Kathmandu, the Tibetan high plateau, and up the North Face into a massive storm. The infamous traffic jams of climbers at the very summit immediately resulted in tragic deaths. Sherpas revolted. Chinese officials turned on Synnott's team. An Indian woman miraculously crawled her way to frostbitten survival. Synnott himself went off the safety rope—one slip and no one would have been able to save him—committed to solving the mystery. Eleven climbers died on Everest that season, all of them mesmerized by an irresistible magic. The Third Pole is a rapidly accelerating ride to the limitless joy and horror of human obsession.

On the House John Boehner 2021-04-13 * INSTANT #1 NEW YORK TIMES BESTSELLER * #1 WALL STREET JOURNAL BESTSELLER * "A rollicking, foil-mouthed" [memoir]....Boehner has delivered a classic Washington "tell-all," albeit one with his typical jocular style." --The Washington Post Former Speaker of the House John Boehner shares colorful tales from the halls of power, the smoke-filled rooms around the halls of power, and his fabled tour bus. John Boehner is the last of a breed. At a time when the arbiters of American culture were obsessing over organic kale, cold-pressed juice, and SoulCycle, the man who stood second in line to the presidency was unapologetically smoking Camels, quaffing a glass of red, and hitting the golf course whenever he could. There could hardly have been a more diametrically opposed figure to represent the opposition party in President Barack Obama's Washington. But when Boehner announced his resignation, President Obama called to tell the outgoing Speaker that he'd miss him. "Mr. President," Boehner replied, "yes you will." He thought of himself as a "regular guy with a big job," and he enjoyed it. In addition to his own stories of life in the swamp

city and of his comeback after getting knocked off the leadership ladder, Boehner offers his impressions of leaders he's met and what made them successes or failures, from Ford and Reagan to Obama, Trump, and Biden. He shares his views on how the Republican Party has become unrecognizable today; the advice--some harsh, some fatherly--he dished out to members of his own party, the opposition, the media, and others; and his often acid-tongued comments about his former colleagues. And of course he talks about golfing with five presidents. Through Speaker Boehner's honest and self-aware reflections, you'll be reminded of a time when the adults were firmly in charge.

On Juneteenth Annette Gordon-Reed 2021-05-04 NEW YORK TIMES • 10 BEST BOOKS OF 2021 New York Times • Times Critics Top Books of 2021 New York Times Bestseller Best Books of the Year • Washington Post, TIME, NPR, Oprah Daily, Boston Globe, Christian Science Monitor, Kansas City Independent, Los Angeles Public Library, Washington Independent Review of Books, Spy, Audible, Biblioracle, AbeBooks The essential, sweeping story of Juneteenth's integral importance to American history, as told by a Pulitzer Prize-winning historian and Texas native. Weaving together American history, dramatic family chronicle, and searing episodes of memoir, Annette Gordon-Reed's *On Juneteenth* provides a historian's view of the country's long road to Juneteenth, recounting both its origins in Texas and the enormous hardships that African-Americans have endured in the century since, from Reconstruction through Jim Crow and beyond. All too aware of the stories of cowboys, ranchers, and oilmen that have long dominated the lore of the Lone Star State, Gordon-Reed—herself a Texas native and the descendant of enslaved people brought to Texas as early as the 1820s—forges a new and profoundly truthful narrative of her home state, with implications for us all. Combining personal anecdotes with poignant facts gleaned from the annals of American history, Gordon-Reed shows how, from the earliest presence of Black people in Texas to the

a catalyst for the opioid crisis – an international epidemic of drug addiction which has killed nearly half a million people. In this masterpiece of narrative reporting and writing, award-winning journalist and host of the Wind of Change podcast Patrick Radden Keefe exhaustively documents the jaw-dropping and ferociously compelling reality. Empire of Pain is the story of a dynasty: a parable of twenty-first-century greed.

Proceedings of the 2021 15th International Conference on Ubiquitous Information Management and Communication Sukhan Lee 2021

Valuation McKinsey & Company Inc. 2020-06-23 McKinsey & Company's #1 best-selling guide to corporate valuation—the fully updated seventh edition *Valuation* has been the foremost resource for measuring company value for nearly three decades. Now in its seventh edition, this acclaimed volume continues to help financial professionals around the world gain a deep understanding of valuation and help their companies create, manage, and maximize economic value for their shareholders. This latest edition has been carefully revised and updated throughout, and includes new insights on topics such as digital, ESG (environmental, social and governance), and long-term investing, as well as fresh case studies. Clear, accessible chapters cover the fundamental principles of value creation, analyzing and forecasting performance, capital structure and dividends, valuing high-growth companies, and much more. The Financial Times calls the book “one of the practitioners’ best guides to valuation.” This book: Provides complete, detailed guidance on every crucial aspect of corporate valuation Explains the strategies, techniques, and nuances of valuation every manager needs to know Covers both core and advanced valuation techniques and management strategies Features/Includes a companion website that covers key issues in valuation, including videos, discussions of trending topics, and real-world valuation examples from the capital markets For over 90 years, McKinsey & Company has helped corporations

and organizations make substantial and lasting improvements in their performance. Through seven editions and 30 years, *Valuation: Measuring and Managing the Value of Companies*, has served as the definitive reference for finance professionals, including investment bankers, financial analysts, CFOs and corporate managers, venture capitalists, and students and instructors in all areas of finance.

Crying in H Mart Michelle Zauner 2021-04-20 A NEW YORK TIMES NOTABLE BOOK OF THE YEAR • NEW YORK TIMES BEST SELLER • From the indie rockstar of Japanese Breakfast fame, one of TIME's Most Influential People of 2022, and author of the viral 2018 New Yorker essay that shares the title of this book, an unflinching, powerful memoir about growing up Korean American, losing her mother, and forging her own identity. In this exquisite story of family, food, grief, and endurance, Michelle Zauner proves herself far more than a dazzling singer, songwriter, and guitarist. With humor and heart, she tells of growing up one of the few Asian American kids at her school in Eugene, Oregon; of struggling with her mother's particular, high expectations of her; of a painful adolescence; of treasured months spent in her grandmother's tiny apartment in Seoul, where she and her mother would bond, late at night, over heaping plates of food. As she grew up, moving to the East Coast for college, finding work in the restaurant industry, and performing gigs with her fledgling band--and meeting the man who would become her husband--her Koreanness began to feel ever more distant, even as she found the life she wanted to live. It was her mother's diagnosis of terminal cancer, when Michelle was twenty-five, that forced a reckoning with her identity and brought her to reclaim the gifts of taste, language, and history her mother had given her. Vivacious and plainspoken, lyrical and honest, Zauner's voice is as radiantly alive on the page as it is onstage. Rich with intimate anecdotes that will resonate widely, and complete with family photos, *Crying in H Mart* is a book to cherish, share, and reread.

longevity. Extra Life is Steven Johnson's attempt to understand where that progress came from, telling the epic story of one of humanity's greatest achievements. How many of those extra years came from vaccines, or the decrease in famines, or seatbelts? What are the forces that now keep us alive longer? Behind each breakthrough lies an inspiring story of cooperative innovation, of brilliant thinkers bolstered by strong systems of public support and collaborative networks, and of dedicated activists fighting for meaningful reform. But for all its focus on positive change, this book is also a reminder that meaningful gaps in life expectancy still exist, and that new threats loom on the horizon, as the COVID-19 pandemic has made clear. How do we avoid decreases in life expectancy as our public health systems face unprecedented challenges? What current technologies or interventions that could reduce the impact of future crises are we somehow ignoring? A study in how meaningful change happens in society, Extra Life celebrates the enduring power of common goals and public resources, and the heroes of public health and medicine too often ignored in popular accounts of our history. This is the sweeping story of a revolution with immense public and personal consequences: the doubling of the human life span.

Anchoring the World Charles Kupchan 2021-04-15

Lecture Slides for Programming in C++ (Version 2021-04-01)

Michael D. Adams 2021-04-01 This document, which consists of approximately 2900 lecture slides, offers a wealth of information on many topics relevant to programming in C++, including coverage of the C++ language itself, the C++ standard library and a variety of other libraries, numerous software tools, and an assortment of other programming-related topics. The coverage of the C++ language and standard library is current with the C++20 standard. C++ PROGRAMMING LANGUAGE. Many aspects of the C++ language are covered from introductory to more advanced. This material includes: the preprocessor, language basics (objects, types, values, operators, expressions, control-flow constructs,

functions, namespaces, and comparison), classes, templates (function, class, variable, and alias templates, variadic templates, template specialization, and SFINAE), concepts, lambda expressions, inheritance (run-time polymorphism and CRTP), exceptions (exception safety and RAII), smart pointers, memory management (new and delete operators and expressions, placement new, and allocators), rvalue references (move semantics and perfect forwarding), coroutines, concurrency (memory models, and happens-before and synchronizes-with relationships), modules, compile-time computation, and various other topics (e.g., copy elision and initialization). C++ STANDARD LIBRARY AND VARIOUS OTHER LIBRARIES. Various aspects of the C++ standard library are covered including: containers, iterators, algorithms, ranges, I/O streams, time measurement, and concurrency support (threads, mutexes, condition variables, promises and futures, atomics, and fences). A number of Boost libraries are discussed, including the Intrusive, Iterator, and Container libraries. The OpenGL library and GLSL are discussed at length, along with several related libraries, including: GLFW, GLUT, and GLM. The CGAL library is also discussed in some detail. SOFTWARE TOOLS. A variety of software tools are discussed, including: static analysis tools (e.g., Clang Tidy and Clang Static Analyzer), code sanitizers (e.g., ASan, LSan, MSan, TSan, and UBSan), debugging and testing tools (e.g., Valgrind, LLVM XRay, and Catch2), performance analysis tools (e.g., Perf, PAPI, Gprof, and Valgrind/Callgrind), build tools (e.g., CMake and Make), version control systems (e.g., Git), code coverage analysis tools (e.g., Gcov, LLVM Cov, and Lcov), online C++ compilers (e.g., Compiler Explorer and C++ Insights), and code completion tools (e.g., YouCompleteMe, and LSP clients/servers). OTHER TOPICS. An assortment of other programming-related topics are also covered, including: data structures, algorithms, computer arithmetic (e.g., floating-point arithmetic and interval arithmetic), cache-efficient algorithms, vectorization, good programming practices, software

documentation, software testing (e.g., static and dynamic testing, and structural coverage analysis), and compilers and linkers (e.g., Itanium C++ ABI).

The Promise Damon Galgut 2021-06-17 WINNER OF THE BOOKER PRIZE 2021 One family. One promise. One chance to tell a new story. **AS HEARD ON BBC RADIO 4 BOOK AT BEDTIME** 'A moving, brilliantly told family epic' Elizabeth Day 'Superb' Paula Hawkins 'Gripping' Daily Mail THE SUNDAY TIMES BESTSELLER

_____ On a farm outside Pretoria, the Swarts are gathering for Ma's funeral. The younger generation, Anton and Amor, detest everything the family stand for - not least their treatment of the Black woman who has worked for them her whole life. Salome was to be given her own house, her own land...yet somehow, that vow is carefully ignored. As each decade passes, and the family assemble again, one question hovers over them. Can you ever escape the repercussions of a broken promise?

_____ 'A tour de force... A spectacular demonstration of how the novel can make us see and think afresh' Booker Judges, 2021 'So powerful' Clare Chambers 'Astonishing' Colm Tóibín 'Bursting with life' The Times 'Utterly compelling' Patrick Gale Shortlisted for the 2022 Rathbones Folio Prize ** A BOOK OF THE YEAR IN THE SUNDAY TIMES, GUARDIAN, OBSERVER, DAILY TELEGRAPH, i AND NEW STATESMAN ** *Superforecasting* Philip Tetlock 2015-09-24 The international bestseller 'A manual for thinking clearly in an uncertain world. Read it.' Daniel Kahneman, author of *Thinking, Fast and Slow*

_____ What if we could improve our ability to predict the future? Everything we do involves forecasts about how the future will unfold. Whether buying a new house or changing job, designing a new product or getting married, our decisions are governed by implicit predictions of how things are likely to turn out. The problem is, we're not very good at it. In a landmark, twenty-year study, Wharton professor Philip Tetlock showed that the average expert was only slightly better at predicting the future

than a layperson using random guesswork. Tetlock's latest project - an unprecedented, government-funded forecasting tournament involving over a million individual predictions - has since shown that there are, however, some people with real, demonstrable foresight. These are ordinary people, from former ballroom dancers to retired computer programmers, who have an extraordinary ability to predict the future with a degree of accuracy 60% greater than average. They are superforecasters. In *Superforecasting*, Tetlock and his co-author Dan Gardner offer a fascinating insight into what we can learn from this elite group. They show the methods used by these superforecasters which enable them to outperform even professional intelligence analysts with access to classified data. And they offer practical advice on how we can all use these methods for our own benefit - whether in business, in international affairs, or in everyday life.

_____ 'The techniques and habits of mind set out in this book are a gift to anyone who has to think about what the future might bring. In other words, to everyone.' Economist 'A terrific piece of work that deserves to be widely read . . . Highly recommended.' Independent 'The best thing I have read on predictions . . . Superforecasting is an indispensable guide to this indispensable activity.' The Times
Machine Learning for Asset Managers Marcos M. López de Prado 2020-04-22 Successful investment strategies are specific implementations of general theories. An investment strategy that lacks a theoretical justification is likely to be false. Hence, an asset manager should concentrate her efforts on developing a theory rather than on backtesting potential trading rules. The purpose of this Element is to introduce machine learning (ML) tools that can help asset managers discover economic and financial theories. ML is not a black box, and it does not necessarily overfit. ML tools complement rather than replace the classical statistical methods. Some of ML's strengths include (1) a focus on out-of-sample predictability over variance adjudication; (2) the use of

computational methods to avoid relying on (potentially unrealistic) assumptions; (3) the ability to "learn" complex specifications, including nonlinear, hierarchical, and noncontinuous interaction effects in a high-dimensional space; and (4) the ability to disentangle the variable search from the specification search, robust to multicollinearity and other substitution effects.

What We Owe Each Other Minouche Shafik 2021-03-04

LONGLISTED FOR THE 2021 FT / McKinsey BUSINESS BOOK OF THE YEAR AWARD One of the world's most influential economists sets out the basis for a new social contract fit for the 21st century. 'Excellent... Shafik points us toward...a hopeful framework for social, economic and political renewal' Michael J. Sandel

_____ What does society owe each of us? And what do we owe in return? Our answer to these inescapable questions - known as the social contract - shapes our politics, economic systems and every stage of life, from raising children and going to school to finding work and growing old. Yet today, many believe that this contract is not working for them. Economist Minouche Shafik examines societies across the world and demonstrates that the urgent challenges of technology, demography and climate require a major shift in priorities. This vision-changing book shows us the way to a new model that provides mutual security and opportunity - a social contract fit for the twenty-first century. _____

'Intelligent and lucid' Martin Wolf, Financial Times 'A powerful and persuasive moral argument...rigorous and specific enough to help readers think practically about the policies needed' Melinda Gates 'A necessary contribution at a turning-point in history... A must-read' Ursula von der Leyen A PROSPECT MAGAZINE BEST BOOK OF 2021

State of South Carolina Department of Insurance Order Number 2021-04 2021 This order deals with insurance rates for health and accident insurance in South Carolina.

Agrarmärkte 1986

Peaces Helen Oyeyemi 2021-04-06 'Intoxicating.' New York

Magazine 'Oyeyemi is a master.' New York Times 'Welcome back to the magical, maddening milieu of Oyeyemi's singular fiction, in which trapdoors spring open and revelations emerge like Russian nesting dolls.' O, the Oprah Magazine Peaces is the story of Otto and Xavier Shin, a couple who embark on a mysterious train journey that takes them far beyond any destination they could have anticipated. As the carriages roll along they discover each is more curious and fascinating than the last, becoming embroiled in this strange train and its intrigue. Who is Ava Kapoor, the sole full-time inhabitant of the train, and what is her relationship to a man named Prem? Are they passengers or prisoners? We discover who orchestrated the journey, hurtling them all into their past for clues.

Gold Diggers Sanjena Sathian 2022-04-19 One of The Washington Post's 10 Best Books of 2021 * One of NPR's Best Books of 2021 * New York Times Book Review Editors' Choice * Long-listed for the Center for Fiction First Novel Prize "Dizzily original, fiercely funny, deeply wise." —Celeste Ng, #1 bestselling author of Little Fires Everywhere "Sanjena Sathian's Gold Diggers is a work of 24-karat genius." —Ron Charles, The Washington Post How far would you go for a piece of the American dream? A magical realist coming-of-age story, Gold Diggers skewers the model minority myth to tell a hilarious and moving story about immigrant identity, community, and the underside of ambition. A floundering second-generation teenager growing up in the Bush-era Atlanta suburbs, Neil Narayan is funny and smart but struggles to bear the weight of expectations of his family and their Asian American enclave. He tries to want their version of success, but mostly, Neil just wants his neighbor across the cul-de-sac, Anita Dayal. When he discovers that Anita is the beneficiary of an ancient, alchemical potion made from stolen gold—a "lemonade" that harnesses the ambition of the gold's original owner—Neil sees his chance to get ahead. But events spiral into a tragedy that rips their community apart. Years later in the Bay Area, Neil still bristles against his community's expectations—and finds he might

need one more hit of that lemonade, no matter the cost. Sanjena Sathian's astonishing debut offers a fine-grained, profoundly intelligent, and bitingly funny investigation into what's required to make it in America. Soon to be a series produced by Mindy Kaling!

EIB Working Paper 2021/04 - Aggregate Productivity Slowdown in Europe Marcin Wolski 2021 Using firm balance sheet data, this paper shows the impact of credit constraints on allocative efficiency and productivity growth. Allocative efficiency is the extent to which resources, including labour, are distributed to firms with the highest growth prospects, or "stuck" in less productive firms. This paper uses firm balance sheet data to analyse the role of financial constraints in the relatively muted post-crisis rebound in productivity in 2014-17, compared to previous upturns in Europe. It shows that the level of financial leverage played an important role in explaining the change in aggregate productivity growth in Europe between 2004 and 2017. Focusing on Northern and Western Europe, it also shows that the productivity potential could not be fully exploited due to constraints on access to credit. It estimates that reducing collateral bottlenecks could more than double the effectiveness of financial leverage in spurring productivity growth in this region between 2014-17.

The Atlas of AI Kate Crawford 2021-04-06 The hidden costs of

artificial intelligence, from natural resources and labor to privacy and freedom What happens when artificial intelligence saturates political life and depletes the planet? How is AI shaping our understanding of ourselves and our societies? In this book Kate Crawford reveals how this planetary network is fueling a shift toward undemocratic governance and increased inequality. Drawing on more than a decade of research, award-winning science, and technology, Crawford reveals how AI is a technology of extraction: from the energy and minerals needed to build and sustain its infrastructure, to the exploited workers behind "automated" services, to the data AI collects from us. Rather than taking a narrow focus on code and algorithms, Crawford offers us a political and a material perspective on what it takes to make artificial intelligence and where it goes wrong. While technical systems present a veneer of objectivity, they are always systems of power. This is an urgent account of what is at stake as technology companies use artificial intelligence to reshape the world.

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