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### Narrating Stance, Morality, and Political Identity

Lauren Zentz 2021-05-24 This book offers unique insights into the use of Facebook after the 2016 US presidential election, interrogating how users in private groups draw on individual experiences in movement building and identity construction while also critically reflecting on ethnographic practices around social media. The volume draws on the author's own involvement in a specific Facebook group focused around activism and community organizing in Texas following the 2016 US presidential election. Chapters draw on the frameworks of "small stories" and "stance" to unpack the ways in which group members use parts of their individual stories to signal beliefs to others, present themselves in relation to the group, and signal virtues of moral authority on various pressing political issues. Building on these analyses, Zentz goes on to address ways in which the scales of politics are being navigated and modified at the grassroots level in our highly networked world. This book contributes to ongoing conversations about the realities of internet use within linguistic anthropology and new media studies, and how researchers might seek to account for social media use and access to this data as these technologies develop further. This book is key reading for students and scholars in linguistic anthropology, media studies, and activism and social movement studies.

Facts and Analysis: Canvassing COVID-19 Responses Linda Chelan Li 2021-03-01 It is impossible to reflect on 2020 without discussing Covid-19. The term, literally meaning corona- (C0) virus (VI) disease (D) of 2019, has become synonymous with "the virus", "corona" and "the pandemic". The impact of the virus on our lives is unprecedented in modern human history, in terms of scale, depth and resilience. When compared to other epidemics that have plagued the world in recent decades, Covid-19 is often referred to as being much more "deadly" and is associated with advances in technology which scientists have described as "revolutionary". From politics to economics, spanning families and continents, Covid-19 has unsettled norms: cultural clashes are intensified, politics are even more polarized, and regional tensions and conflicts are on the rise. Global trade patterns and supply chains are increasingly being questioned and redrawn. The world is being atomized, and individuals are forced to accept the "new normal" in their routines. In an attempt to combat the virus and minimize its detrimental effects, countries have undertaken different preventive strategies and containment policies. Some have successfully curbed the spread of Covid-19, while many others remain in limbo, doing their best to respond to outbreaks in cases. To gain a better understanding of how to fight Covid-19, it is imperative to evaluate the success and failures of these approaches. Under what conditions is an approach successful? When should it be avoided? How can this information be used to avoid future pandemics? This volume offers informative comparative case studies that shed light on these key questions. Each country case is perceptively analyzed and includes a detailed timeline,

allowing readers to view each response with hindsight and extrapolate the data to better understand what the future holds. Taken as a whole, this collection offers invaluable insight at this critical juncture in the Covid-19 pandemic. "In the 'post-truth' era, such careful documentation of the facts is especially welcome." Dr Tania Burchardt Associate Professor, Department of Social Policy London School of Economics and Political Science "The end is not yet in sight for the pandemic but in these pages the key factors in its development and some possible solutions for the future are laid out in ways that make it indispensable reading." Prof David S. G. Goodman Professor of China Studies and former Vice President, Academic Xi'an Jiaotong-Liverpool University, Suzhou "This book is an important and groundbreaking effort by social scientists to understand on how states have been managing the crisis." Kevin Hewison Weldon E. Thornton Distinguished Emeritus Professor University of North Carolina at Chapel Hill "This is exactly the kind of research that will contribute to our fight against Covid-19." Tak-Wing Ngo University of Macau "A well-researched book on Covid-19 highlighting the value of the meticulous fact-based groundwork by an international team." Carlson Tong, GBS, JP Former Chairman, Securities and Futures Commission, Hong Kong Chairman, University Grants Committee, Hong Kong

Mansions of the Moon: A Lunar Zodiac for Astrology and Magic 2nd Edition with 2019-2033 Mansion Ephemeris Christopher Warnock

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Unconventional Monetary Policies in Emerging Markets and Frontier Countries Chiara Fratto 2021-01-22 The COVID-19 crisis induced an unprecedented launch of unconventional monetary policy through asset purchase programs (APPs) by emerging market and developing economies. This paper presents a new dataset of APP announcements and implementation from March until August 2020 for 27 emerging markets and 8 small advanced economies. APPs' effects on bond yields, exchange rates, equities, and debt spreads are estimated using different methodologies. The results confirm that APPs were successful in significantly reducing bond yields in EMDEs, and these effects were stronger than those of policy rate cuts, suggesting that such UMP could be important tools for EMDEs during financial market stress.

Computational Epidemiology Ellen Kuhl 2021-09-22 This innovative textbook brings together modern concepts in mathematical epidemiology, computational modeling, physics-based simulation, data science, and machine learning to understand one of the most significant problems of our current time, the outbreak dynamics and outbreak control of COVID-19. It teaches the relevant tools to model and simulate nonlinear dynamic systems in view of a global pandemic that is acutely relevant to human health. If you are a student, educator, basic

scientist, or medical researcher in the natural or social sciences, or someone passionate about big data and human health: This book is for you! It serves as a textbook for undergraduates and graduate students, and a monograph for researchers and scientists. It can be used in the mathematical life sciences suitable for courses in applied mathematics, biomedical engineering, biostatistics, computer science, data science, epidemiology, health sciences, machine learning, mathematical biology, numerical methods, and probabilistic programming. This book is a personal reflection on the role of data-driven modeling during the COVID-19 pandemic, motivated by the curiosity to understand it.

**Advanced Controls for Intelligent Buildings** Siddharth Goyal 2021-07-04 This book focuses primarily on both technical and business aspects needed to select, design, develop and deploy control application (or product) successfully for multiple components in building systems. Designing and deploying a control application require multiple steps such as sensing, system dynamics modelling, algorithms, and testing. This may involve choosing an appropriate methodology and technique at multiple stages during the development process. Understanding the pros and cons of such techniques, most importantly being aware of practically possible approaches in the entire ecosystem, is critical in choosing the best framework and system application for different parts of building systems. Providing a wide overview of the state-of art in controls and building systems, providing guidance on developing an end-to-end system in relation to business fundamentals (distribution channels, stakeholders, marketing, supply-chain and financial management), the book is ideal for fourth-year control/mechanical/electrical engineering undergraduates, graduate students, and practitioners including business leaders concerned with smart building technology.

**Earthwork Reinforcement Techniques** Jerry C. Chang 1974  
**Airborne** Matt Margolis 2020-07-08 Starting with the Russian collusion hoax, the media never relented in their attempts to undermine Donald Trump's presidency. When the bogus impeachment ended with Trump's acquittal, they needed a new "scandal" to hang over his head. After largely ignoring the coronavirus outbreak, the media made it their Hail Mary attempt to sabotage President Trump. They claimed Trump's travel ban with China was racist, xenophobic, and unnecessary—then later blamed him for not implementing it sooner. They falsely claimed Trump called the coronavirus a hoax. They concocted a phony timeline to "prove" his response to the pandemic was slow. They deceptively edited Trump's words to create an impression that he was crazy or stupid. They even blamed him for the death of a man whose wife gave him fish tank cleaner. In *Airborne: How The Liberal Media Weaponized The Coronavirus Against Donald Trump*, Matt Margolis exposes and debunks these lies and fake narratives reported by the media in their desperate attempt to thwart Trump's reelection.

**Reeds Eastern Almanac 2020** Perrin Towler 2019-08-29 The Reeds Eastern Almanac covers the UK east coast from Ramsgate to Cape Wrath including the Shetland and Orkney Islands, and from Nieuport to Delfzijl and Helgoland. It is the complete guide for North Sea mariners, offering ready access to essential navigation information by virtue of its clear layout and user friendly format. Completely updated for 2020, topics include seamanship, pilotage, tide tables, safety procedures, navigation tips, radio, lights, waypoints, weather forecast information around UK and European waters, communications, Mayday and distress procedures. The spiral binding allows the Almanac to be opened flat on the chart table and the large type and clear layout makes information easy to read even in adverse conditions. This handy volume is ideal for anyone

cruising the North Sea. Includes a free Reeds Marina Guide. Also available: free supplements of up-to-date navigation changes from January to June at: [www.reedsnauticalalmanac.co.uk](http://www.reedsnauticalalmanac.co.uk) 'There are some things I would not go to sea without - Reeds is one of them.' Sir Chay Blyth

**Practical Linux Forensics** Bruce Nikkel 2021-12-21 A resource to help forensic investigators locate, analyze, and understand digital evidence found on modern Linux systems after a crime, security incident or cyber attack. Practical Linux Forensics dives into the technical details of analyzing postmortem forensic images of Linux systems which have been misused, abused, or the target of malicious attacks. It helps forensic investigators locate and analyze digital evidence found on Linux desktops, servers, and IoT devices. Throughout the book, you learn how to identify digital artifacts which may be of interest to an investigation, draw logical conclusions, and reconstruct past activity from incidents. You'll learn how Linux works from a digital forensics and investigation perspective, and how to interpret evidence from Linux environments. The techniques shown are intended to be independent of the forensic analysis platforms and tools used. Learn how to:

- Extract evidence from storage devices and analyze partition tables, volume managers, popular Linux filesystems (Ext4, Btrfs, and Xfs), and encryption
- Investigate evidence from Linux logs, including traditional syslog, the systemd journal, kernel and audit logs, and logs from daemons and applications
- Reconstruct the Linux startup process, from boot loaders (UEFI and Grub) and kernel initialization, to systemd unit files and targets leading up to a graphical login
- Perform analysis of power, temperature, and the physical environment of a Linux machine, and find evidence of sleep, hibernation, shutdowns, reboots, and crashes
- Examine installed software, including distro installers, package formats, and package management systems from Debian, Fedora, SUSE, Arch, and other distros
- Perform analysis of time and Locale settings, internationalization including language and keyboard settings, and geolocation on a Linux system
- Reconstruct user login sessions (shell, X11 and Wayland), desktops (Gnome, KDE, and others) and analyze keyrings, wallets, trash cans, clipboards, thumbnails, recent files and other desktop artifacts
- Analyze network configuration, including interfaces, addresses, network managers, DNS, wireless artifacts (Wi-Fi, Bluetooth, WWAN), VPNs (including WireGuard), firewalls, and proxy settings
- Identify traces of attached peripheral devices (PCI, USB, Thunderbolt, Bluetooth) including external storage, cameras, and mobiles, and reconstruct printing and scanning activity

**Highland Heiress (Mills & Boon Historical)** Margaret Moore 2013-11-01 No sooner does wealthy heiress Lady Moira MacMurdaugh breathe a sigh of relief for avoiding a disastrous marriage to a gambling womaniser than she is served with a lawsuit! Torn between duty and this impulsive beauty who stirs him to distraction, solicitor Gordon McHeath has no choice but to go up against the woman whose kiss he's never forgotten.

**COVID 19 - Stop the Hurricane (15./19.04.2020)** Joachim Stoll 2020

**COVID-19 - Social Science Research during a Pandemic** Paul Russell Ward 2022-07-13

**Demon's Embrace (Mills & Boon Nocturne Cravings)** Elle James 2012-12-01 As part of the NYPD's special taskforce, Agent Katya Danske cleans up the mess when creatures of the night run amok.

**Ubuntu Linux Bible** David Clinton 2020-10-19 The best reference for Ubuntu Linux Ubuntu Linux is a popular, powerful, and versatile operating system. Now you can get the most out of everything Ubuntu Linux has to offer with the Ubuntu Linux Bible. This complete and comprehensive guide introduces you to Ubuntu and shows

you how to use it to its fullest, whether you're a typical desktop user or a system administrator. You'll learn to do everything from reading email to configuring wireless networks. You'll reap huge rewards from this book, regardless of how much prior experience you have with Ubuntu. Get started with Ubuntu Linux and see what's in the newest version (20.04) Learn how to read emails, surf the web, and create and publish documents Take on system administration tasks, like creating and managing users and adding new disks to the system Discover how to use Ubuntu Linux in an enterprise or personal environment Figure out how to set up Ubuntu Linux servers for the web, email, shared printing, and more Find out why Ubuntu Linux is the most popular Linux operating system in the world

**The Biden Deception** George Neumayr 2020-09-15 A Socialist in Sheep's Clothing That's what Joe Biden is. "Ordinary Joe" bills himself as a unifying "moderate," but he's far more dangerous than many realize. In fact, he's on board with the extreme Left on every vital issue—from the "Green New Deal," to trampling on the constitutional rights of gun owners and Christians, to socialist schemes that threaten to turn the United States into Venezuela. George Neumayr, a savvy and seasoned reporter, exposes Biden's radicalism and proves—often with the candidate's own words—why his presidency would be a disaster for America. In *The Biden Deception*, you'll learn how and why a Biden administration would: Undercut law and order Erase our national borders Insist on abortion on demand across the country Repeal the Trump tax cuts Treat Communist China as an ally rather than a dangerous foe Pick up where Obama left off in "remaking" America—but far more aggressively Be the stepping-stone to power for an even more leftist Democratic Party that takes its cue from "AOC and the Squad" All elections are important, but 2020 will determine whether the U.S. becomes a socialist state—modeled on "lockdown America"—or renews its commitment to freedom and capitalism. Read *The Biden Deception* and don't be fooled.

**A President's Daily Brief: Years 1-4** Micah Fisher-Kirshner

### What was daily life under the Trump presidency really like?

An accessible ebook with short, thematic entries showing the corruption of the entire Trump presidency, *A President's Daily Brief, Year 1-4: The Day-by-Day Lurch of Trump's Norm-Breaking Presidency* is the full volume of Micah Fisher-Kirshner's series, representing the four years of Trump's time in power and the subversion that occurred. More than a compiled list of significant events that portray Trump as the most corrupt American president, this digestible and scannable read of in-the-moment posts pulled from news outlets and credible sources provides an intimate look at how the administration went about breaking the presidential norms on a daily basis. Readers also will have access to citations to fact-check claims.

This quick read on a Trump presidency that started off with outrage and graduated to righteous indignation is a must-have for those who enjoy history, politics, and government or simply want to read about the most notorious presidency in history.

### Communication in the Age of the Covid-19 Pandemic

Theresa Macneil-Kelly 2021-09-15 Communication in the Age of the COVID-19 Pandemic centers around changes in communication as a byproduct of the COVID-19 pandemic. Specific contexts include changes in our intimate relationships and changes in how media outlets communicate to audiences.

**PN-EN ISO 20884:2020-03/A1** Polski Komitet Normalizacyjny

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**Creating a Geriatric Emergency Department** John Schumacher 2021-12-31 An essential, experience-based, practical guide for anyone looking to improve the care of older patients in the emergency department.  
*A President's Daily Brief: Year 4* Micah Fisher-Kirshner

### What was daily life under the Trump presidency really like?

An accessible ebook with short, thematic entries showing the corruption of the Trump presidency, *A President's Daily Brief, Year 4: The Day-by-Day Lurch of Trump's Norm-Breaking Presidency* is the fourth in Micah Fisher-Kirshner's series, representing the fourth and final year of Trump's time in power and the subversion that occurred. More than a compiled list of significant events that portray Trump as the most corrupt American president, this digestible and scannable read of in-the-moment posts pulled from news outlets and credible sources provides an intimate look at how the administration went about breaking the presidential norms on a daily basis. Readers also will have access to citations to fact-check claims.

This quick read on a Trump presidency that started off with outrage and graduated to righteous indignation is a must-have for those who enjoy history, politics, and government or simply want to read about the most notorious presidency in history.

**Microelectronics, Communication Systems, Machine Learning and Internet of Things** Vijay Nath 2022-07-11 This volume presents peer-reviewed papers of the First International Conference on Microelectronics, Communication Systems, Machine Learning, and the Internet of Things (MCMI-2020). This book discusses recent trends in technology and advancement in microelectronics, nano-electronics, VLSI design, IC technologies, wireless communications, optical communications, SoC, advanced instrumentations, signal processing, internet of things, machine learning, image processing, green energy, hybrid vehicles, weather forecasting, cloud computing, renewable energy, CMOS sensors, actuators, RFID, transducers, real-time embedded system, sensor network and applications, EDA design tools and techniques, fuzzy logic & artificial intelligence, high-performance computer architecture, AI-based robotics & applications, brain-computer interface, deep learning, advanced operating systems, supply chain development & monitoring, physical systems design, ICT applications, e-farming, information security, etc. It includes original papers based on theoretical, practical, experimental, simulations, development, application, measurement, and testing. The applications and solutions discussed in the book will serve as good reference material for young scholars, researchers, and academics.

### Taming The Notorious Sicilian (Mills & Boon Modern) (The Irresistible Sicilians, Book 0)

Michelle Smart 2014-08-01 TAMING THE NOTORIOUS SICILIAN The face of a god and a body made for sin!

**A Year Like No Other** Ryan Underwood 2021-08-03 The University that was at the heart of the research to discover the vaccines for the pandemic pens the story of how it all happened. In 2020, as COVID-19 threw the U.S. higher education system into turmoil, university administrators around the country debated whether it was prudent—or even possible—to teach students in person or conduct laboratory research amid a once-in-a-century pandemic. For the leadership at Vanderbilt University, the answer to the question was a resounding Yes. Viewing residential education and collaborative research as essential to its academic and societal mission, Vanderbilt was one of a small number of America's top

universities to put rigorous safety protocols in place to allow students, faculty, and research personnel back to campus in the fall. Told with recollections and insights from Vanderbilt's leaders, students, faculty, and staff, and moving at a pace matching the events it describes, *A Year Like No Other* takes readers from Vanderbilt's near-shutdown in the spring through its reopening for the 2020–2021 academic year, providing an inside look at how the university coped not only with COVID-19, but also with a tragic night of tornadoes and the urgent calls for racial justice following the killing of George Floyd. *A Year Like No Other* also highlights some of the vital contributions that faculty at Vanderbilt and Vanderbilt University Medical Center have made to the development of COVID-19 vaccines and therapies, with research fueled in part by Dolly Parton, the beloved country music legend. *A Year Like No Other* captures a singular moment in the university's history while delivering a concise portrait of successful crisis management playing out amid the fast-changing circumstances of global health threats and a barrage of local hardships.

**Expecting His Child: The Pregnancy Plot / Staking His Claim / A Tricky Proposition (Mills & Boon By Request)**

Paula Roe 2017-09-01 *The Pregnancy Plot* by Paula Roe

**Anything You Want (Mills & Boon Spice Briefs)** Jenesi Ash 2010-09-01 When the mirror over her bed comes crashing down from the ceiling, she knows it's been tampered with.

PN-EN ISO 129-1:2020-03/A1 Polski Komitet Normalizacyjny 2021

Geoparticipatory Spatial Tools Jiri Panek 2022-07-20 The book explores the key factors affecting the successful implementation of public participation spatial systems in participatory planning as part of the urban governance system. It brings insight from nation-wide research in the Czech Republic and the implications to other countries in the region and beyond. The main aim of the proposed book is to analyse the state-of-the-art of using geoparticipatory tools for citizens' participation in community decision-making process and to suggest the effective implementation of the geoparticipatory tools available in urban governance. This book explores the situation in the Czech Republic as a representative of for Eastern Bloc country, three decades after the political transition, on its way to public participation in local and urban governance. The active involvement of the citizens into the local and urban decision making process via geoparticipatory spatial tools is becoming a popular research field among human geographers, behavioural geographers, GIS scientists, environmental psychologists, policy scientists and many others scientific areas.

Contributions to on-board navigation on 1U CubeSats

Weiß, Sascha 2022-04-07 This thesis investigates the use of GNSS receivers on 1U CubeSats, using the example of BEESAT-4 and BEESAT-9. The integration of such a device on satellites enables highly precise time synchronization, position acquisition and orbit determination and prediction. The application fields that depend on an accurate attitude control and orbit determination system and can also be processed by CubeSats are highlighted. Therefore the state of the art of GNSS receivers is described, which are suitable for the use on satellites and could be integrated into 1U CubeSats. Further on it is investigated which subsystems of a small satellite are particularly affected and what the special challenges are to realize a precise positioning with a GNSS receiver. In addition, some developments are presented that have significantly increased the performance of 1U CubeSats in recent years. The system concept of BEESAT satellites is introduced and the evolution of the payload board including the use of the latest sensor technologies for attitude control is described. It is shown how the

verification of the satellite's subsystems was performed on the ground, with the focus on testing and simulating the attitude control and the GNSS receiver. The necessary integration steps, the calibration and environmental test campaign are discussed. Both satellites were successfully operated and the results of the on-orbit experiments are presented. It is shown how a three-axis stabilized attitude control was first verified on BEESAT-4 and then a GNSS receiver was successfully operated on BEESAT-9 for more than one year. In addition, the inter-satellite link between BEESAT-4 and BIROS will be analyzed, since it is essential for the relative navigation of satellites. The acquired navigation data was sent to the ground and the identification of BEESAT-9 was carried out using this data. A qualitative analysis of the orbital elements (TLE) of BEESAT-9 was performed systematically due to a daily operation of the GNSS receiver. Furthermore, it was investigated how a small GNSS antenna affects the received signal strength from GNSS satellites and whether this antenna or its amplifier degrades over time. Additionally, an orbit determination and propagation based on the navigation data could be performed and the results are evaluated. The analyzed questions allow a statement about the continuous use of GNSS receivers on 1U CubeSats and if it is necessary to achieve the mission objectives. Diese Arbeit untersucht den Einsatz von GNSS-Empfängern auf 1U CubeSats am Beispiel von BEESAT-4 und BEESAT-9. Das Integrieren einer solchen Komponente auf Satelliten ermöglicht eine hochgenaue Zeitsynchronisation, Positions- und Orbitbestimmung sowie deren Vorhersage. Es werden die Anwendungsfelder beleuchtet, die auf ein akkurates Lageregelungs- und Orbitbestimmungssystem angewiesen sind und außerdem auch von CubeSats bearbeitet werden können. Dazu wird der Stand der Technik von GNSS-Empfängern beschrieben, die für den Einsatz auf Satelliten geeignet sind und von ihren Eigenschaften auch auf 1U CubeSats integriert werden könnten. Weitergehend wird untersucht, welche Subsysteme eines Kleinstsatelliten besonders betroffen sind und was die speziellen Herausforderungen sind, um eine präzise Positionsbestimmung mithilfe eines GNSS-Empfängers zu realisieren. Dazu werden auch einige Entwicklungen vorgestellt, die in den letzten Jahren die Leistungsfähigkeit von 1U CubeSats signifikant erhöht haben. Das Systemkonzept der BEESAT Satelliten wird eingeführt und die Evolution der Nutzlastplatte inklusive der Verwendung der jeweils neuesten Sensortechnologien für die Lageregelung beschrieben. Es wird gezeigt wie die Verifikation der Subsysteme des Satelliten am Boden erfolgte, wobei der Fokus auf dem Testen und Simulieren der Lageregelung und dem GNSS-Empfänger liegt. Dazu werden die notwendigen Integrationsschritte, die Kalibrations- und die Umwelttestkampagne diskutiert. Beide Satelliten wurden erfolgreich betrieben und die Ergebnisse der on-orbit Experimente werden vorgestellt. Es wird gezeigt wie zunächst eine dreiachsenstabilisierte Lageregelung auf BEESAT-4 verifiziert und anschließend auf BEESAT-9 über mehr als ein Jahr ein GNSS-Empfänger erfolgreich betrieben wurde. Zusätzlich wird der Intersatelliten Link zwischen BEESAT-4 und BIROS analysiert, da dieser für die Relativnavigation von Satelliten essentiell ist. Die akquirierten Navigationsdaten wurden zum Boden gesendet und die Identifizierung von BEESAT-9 erfolgte mithilfe dieser Daten. Eine qualitative Analyse der Orbitalelemente (TLE) von BEESAT-9 konnte systematisch durchgeführt werden durch einen täglichen Einsatz des GNSS-Empfängers. Weiterhin wurde erforscht wie sich eine kleine GNSS-Antenne auf die empfangenen Signalstärken der GNSS Satelliten auswirkt und ob diese Antenne oder ihr Verstärker mit der Zeit degradieren. Zusätzlich konnte eine Orbitbestimmung und -propagation auf Basis der Navigationsdaten durchgeführt und die Ergebnisse

ausgewertet werden. Die analysierten Fragestellungen erlauben eine Aussage über den durchgängigen Einsatz von GNSS-Empfängern auf 1U CubeSats und ob dieser notwendig ist um die Missionsziele zu erreichen.

*Annual Report on Exchange Arrangements and Exchange Restrictions 2020* International Monetary Fund. Monetary and Capital Markets Department 2021-08-25 *Annual Report on Exchange Arrangements and Exchange Restrictions 2020 Insight Turkey 2020/03 - Transformation of Turkey's Defense Industry 2020-10-01* Turkey's contemporary defense and military strategy can be best understood as a result of the historical process the country has experienced. This historical process has significantly altered the security environment surrounding Turkey while transforming her alliance relations, ultimately producing a new political vision for the country and a defense and military strategy that serves this vision. Firstly, although the end of the Cold War and the ensuing dissolution of the Soviet Union has ameliorated international security, Turkey was faced with both conventional and asymmetric threats on multiple fronts. This situation kept defense spending of the country at record levels despite military expenditures within NATO showing a rapid decline. On the other hand, the emerging political geography led to a series of new conflicts erupting in several hotspots, from the Balkans through to the Caucasus and the Middle East. Emerging conflicts were thought to require a common response which precipitated NATO's evolution from a collective defense organization to a collective security organization. Concurrently, it meant that Turkey would actively join NATO's new missions ranging from the peaceful resolution of disputes to stability operations with expeditionary forces featured by mobility, jointness, and readiness. Secondly, the 9/11 terrorist attacks against the U.S. created profound ramifications for Turkey's regional security and her alliance relations. In particular, the American military occupation of Iraq jeopardized Turkey's national security by effectively removing the political authority of that country and dismantling the Iraqi army. While the emerging political vacuum was filled by sectarian politics, the scarcity of security was exploited by the PKK, consolidating its presence in northern Iraqi territories. Divided Iraq has also transformed into a breeding ground for international terrorism which resulted in the rise of various extremist armed organizations, including ISIS. Thirdly, since the so-called Arab spring started in the early 2010s, the political and security landscape of the Middle East and North Africa has undergone significant changes. While the overthrow of dictators led to intra-state conflicts in several places, it was particularly the civil war in Syria that alarmed Turkish decision-makers due to its transformation into a safe haven for various terrorist groups operating at Turkey's southern frontiers. Bereft of concrete ally support, Turkey unilaterally launched military operations into northern Syria in order to eliminate ISIS elements as well as curbing the long-term territorial ambitions of the PKK. The Arab spring has also aggravated previous tensions and engendered various factions that facilitated new alignments which is the case for today's Eastern Mediterranean and Arab-Israeli relations. Against the backdrop of these considerations, Turkey's contemporary defense and military strategy has been formed. In general, this strategy lays down the principles of using military force to support the political aims of the country. It operates as a "bridge" between policy and operation, in a classical sense. And that strategy is now not just informed by protecting the territorial integrity of the nation but has wider objectives, including enhancing the country's international standing as well as achieving strategic autonomy. This in turn has necessitated new tools that extend beyond a sole deterrent force, namely military activism, and defense

industry investments, along with the contribution to international security and commitments to the NATO alliance. The summer issue of *Insight Turkey* aims to explain the changing dynamics of Turkey's military and defense strategy by taking into consideration current foreign and security policy practices of Turkey in the Middle East and North Africa region. More specifically, this issue is an attempt to develop a new framework to understand Turkey's revolution in its military and defense strategies. Hulusi Akar, the Minister of National Defense of Turkey, in his commentary sheds light on the global and regional developments that threaten Turkey's peace and stability and which contributed to shaping its defense strategy. A strategy that targets finding common solutions to international problems in a collaborative way. Akar gives special attention to the contribution of the distinguished, deterrent, efficient, motivated, well-trained, and disciplined Armed Forces that are equipped with high-level weaponry produced domestically using national resources. Within the context of the Turkish Defense Industry's strong historical background, İsmail Demir highlights the transformation and rationality of the Turkish Defense Industry. He emphasizes the necessity of addressing the recent rise of the Turkish Defense Industry in two different but interrelated periods. The first provided the defense industry with strong support with an extremely decisive and long-term projection. The second represents the transformation of the expectations from the defense industry, in coordination with the changing position and function of the defense industry in bureaucratic mechanisms. Michaël Tanchum's commentary is a coherent and rigorous analysis of the logical result of Turkey's post-Cold War strategic reorientation, presented in its new expeditionary capability of enhanced naval capacity and new forward bases. Michaël examines Ankara's challenge of calibrating the use of its hard power instruments to serve its post-Lausanne strategic orientation toward establishing Turkey-centered, inter-regional connectivity. In the middle of the COVID-19 global pandemic, Minister of Health of the Republic of Turkey, Fahrettin Koca, underscores the role of Turkey in the management of COVID-19. His commentary asserts that Turkey has successfully contained the COVID-19 pandemic and prevented devastating consequences due to its idiosyncratic approach to the crisis and the robustness of its healthcare system. After 85 years as a museum, Hagia Sophia welcomes Muslim worshippers', a decision that has drawn intense criticism in Turkey and worldwide. However, Deputy Minister of Foreign Affairs of the Republic of Turkey, Yavuz Selim Kıran, argues that the functional change of Hagia Sophia will not affect Turkey's centuries-old tradition of promoting tolerance, harmony, and diversity. The final off-topic commentary of this issue underlines the challenges to Pakistan's nuclear threshold. Muhammad Haris Bilal Malik and Muhammad Abbas Hassan explain why Pakistan has been further threatened by India's aggressive policies and provocative military modernization. The commentary concludes that Pakistan may be compelled to further revisit its nuclear threshold level to overcome India's aggression. Besides the commentaries, this issue comprises five articles that focus on the Turkish Defense Industry past, present, and future and underline the factors that led to its remarkable evolution. The first article by Murat Yeşiltaş presents a general framework of Turkey's Military and Defense Strategy. By taking into account the main drivers, primary objectives, and essential pillars, as well as its tangible repercussions on the military mindset, the author explains how the change in Turkey's defense and military strategy stems both from Turkey's changing security landscape and its quest to be an assertive regional player. Can Kasapoğlu's research article covers

two interrelated strategic topics regarding Turkey's national military capacity in the 21st century: its defense technological and industrial base and its military policy, both currently characterized by a burgeoning assertiveness. In light of the rapid advances in technology that are continually shaping developments in the aerospace and defense sector, notably the evolution of airpower, Arda Mevlütoğlu, provides us with an understanding of the features of the next generation of air warfare, while presenting the status of the Turkish Air Force and offering suggestions on several challenges and opportunities. As a reply to the critics that Turkey is caught between a rock and a hard place due to the adamant opposition of its NATO allies, Mustafa Kibaroglu tries to make sense of Turkey's S-400 choice by assessing the impact of the S-400 deal on Turkey's defense industries. On one hand, he presents his conception of the current "international political non-order" as an underlying factor behind the deal. On the other, he suggests that the deal must be approached from a wider perspective to grasp the extent of the service it has done in bolstering Turkey's military-industrial complex. The last article related to the main theme of this issue focuses on Turkey's defense spending. Merve Seren attempts to show that prioritization of defense spending during the AK Party era is specifically the outcome of a political preference. In other words, the shift in the political landscape from idealism to realism, associated with pragmatism. Our initial off-topic article highlights how Trump's peace plan optimistically called the "Deal of the Century" adopts the Zionist discourse regarding al-Aqsa and its effects on undermining the Muslim sovereignty over the mosque, which will be a clear violation of the International law and status quo. Khalid el-Awaisi and Cuma Yavuz investigate the results of the implementation of Trump's plan which they assert will lead to three main changes that would undo the centuries-old status quo of Masjid al-Aqsa completely and give Israel full control over this important historic and religious site. Ahmad AlShwawra and Ahmad Almuhtady's off-topic article completes the dossier of this issue. The authors examine the potential implications of Jordan's decision to import Mediterranean gas through Israel on Jordanian energy security, with special attention to how this decision will impact Jordanian foreign policy regarding the Palestinian cause. Through a wide range of articles and commentaries, this issue aims to bring to its readers a comprehensive framework on the transformation of Turkey's Defense Industry and changing patterns of its military strategy.

**Beginning Sensor Networks with XBee, Raspberry Pi, and Arduino** Charles Bell 2020-06-25 Build sensor networks with Python and MicroPython using XBee radio modules, Raspberry Pi, and Arduino boards. This revised and updated edition will put all of these together to form a sensor network, and show you how to turn your Raspberry Pi into a MySQL database server to store your sensor data! You'll review the different types of sensors and sensor networks, along with new technology, including how to build a simple XBee network. You'll then walk through building an sensor nodes on the XBee, Raspberry Pi, and Arduino, and also learn how to collect data from multiple sensor nodes. The book also explores different ways to store sensor data, including writing to an SD card, sending data to the cloud, and setting up a Raspberry Pi MySQL server to host your data. You'll even learn how to connect to and interact with a MySQL database server directly from an Arduino! Finally you'll see how to put it all together by connecting your sensor nodes to your new Raspberry Pi database server. If you want to see how well XBee, Raspberry Pi, and Arduino can get along, especially to create a sensor network, then **Beginning Sensor Networks with XBee, Raspberry Pi, and**

**Arduino** is just the book you need. What You'll LearnCode your sensor nodes with Python and MicroPython Work with new XBee 3 modulesHost your data on Raspberry PiGet started with MySQLCreate sophisticated sensor networks Who This Book Is For Those interested in building or experimenting with sensor networks and IoT solutions, including those with little or no programming experience. A secondary target includes readers interested in using XBee modules with Raspberry Pi and Arduino, those interested in controlling XBee modules with MicroPython.

**Vital Statistics of the United States 2022** Shana Hertz Hattis 2022-07-30 Vital Statistics of the United States: Births, Life Expectancy, Deaths, and Selected Health Data brings together a comprehensive collection of birth, mortality, health, and marriage and divorce data into a single volume. It provides a wealth of information compiled by the National Center for Health Statistics and other government agencies. Vital Statistics contains over 225 tables and is divided into four parts: Births, Mortality, Health, and Marriage and Divorce. Charts and graphs, available at applicable points in each chapter, illustrate some of the most vital trends in the data. In addition, updated definitions reflect the latest federal parameters for information about births, mortality, health, and marriages. New COVID-19 data is woven into each section where appropriate. Some of the new tables include data on pregnant women with COVID-19, historical daily case trends, and demographic characteristics of people receiving the vaccine.

**Python for Algorithmic Trading** Yves Hilpisch 2020-11-12 Algorithmic trading, once the exclusive domain of institutional players, is now open to small organizations and individual traders using online platforms. The tool of choice for many traders today is Python and its ecosystem of powerful packages. In this practical book, author Yves Hilpisch shows students, academics, and practitioners how to use Python in the fascinating field of algorithmic trading. You'll learn several ways to apply Python to different aspects of algorithmic trading, such as backtesting trading strategies and interacting with online trading platforms. Some of the biggest buy- and sell-side institutions make heavy use of Python. By exploring options for systematically building and deploying automated algorithmic trading strategies, this book will help you level the playing field. Set up a proper Python environment for algorithmic trading Learn how to retrieve financial data from public and proprietary data sources Explore vectorization for financial analytics with NumPy and pandas Master vectorized backtesting of different algorithmic trading strategies Generate market predictions by using machine learning and deep learning Tackle real-time processing of streaming data with socket programming tools Implement automated algorithmic trading strategies with the OANDA and FXCM trading platforms

**Proceedings of the 5th International Conference on Sustainable Civil Engineering Structures and Construction Materials** Sheila Belayutham **Agricultural Policy Monitoring and Evaluation 2020** OECD 2020-06-30 This annual report monitors and evaluates agricultural policies spanning all six continents, including the 36 OECD countries, the five non-OECD EU Member States, and 13 emerging economies. **Geopolitical Risk, Sustainability and "Cross-Border Spillovers" in Emerging Markets, Volume II** Michael I. C. Nwogugu

**Signal and Information Processing, Networking and Computers** Yue Wang 2020-12-17 This book collects selected papers from the 7th Conference on Signal and Information Processing, Networking and Computers held in Rizhao, China, on September, 2020. The 7th International Conference on Signal and Information Processing,

Networking and Computers (ICSINC) was held in Rizhao, China, on September, 2020.

**Fidelity (Mills & Boon Spice Briefs)** Amber Carlsbad  
2011-03-01 I thought Kevin and I enjoyed a wild sex

life, one that remained hot and heavy despite the passage of time. But my idea of "hot and heavy" was changed forever by our anniversary trip to Miami—and by our erotic encounter with Marisel.