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Democratic Empowerment in the European Union

Edward Elgar Publishing This book looks at democratic empowerment via institutional designs that extend the political rights of European citizens. It focuses on three themes: first, the positive and negative effects of the European Union institutional design on the political rights of its citizens; second, challenges for democratic regimes across the world in the 21st century in the context of regionalism and globalization; third, the constraints of neoliberalism and capitalist markets on the ability of citizens to effectively achieve their political rights within the Union.

Hello World

How to be Human in the Age of the Machine

Random House ‘One of the best books yet written on data and algorithms. . .deserves a place on the bestseller charts.’ (The Times) You are accused of a crime. Who would you rather determined your fate – a human or an algorithm? An algorithm is more consistent and less prone to error of judgement. Yet a human can look you in the eye before passing sentence. Welcome to the age of the algorithm, the story of a not-too-distant future where machines rule supreme, making important decisions – in healthcare, transport, finance, security, what we watch, where we go even who we send to prison. So how much should we rely on them? What kind of future do we want? Hannah Fry takes us on a tour of the good, the bad and the downright ugly of the algorithms that surround us. In Hello World she lifts the lid on their inner workings, demonstrates their power, exposes their limitations, and examines whether they really are an improvement on the humans they are replacing. A BBC RADIO 4: BOOK OF THE WEEK SHORTLISTED FOR THE 2018 BAILLIE GIFFORD PRIZE AND 2018 ROYAL SOCIETY SCIENCE BOOK PRIZE

Immunisation against infectious diseases

The Stationery Office This is the third edition of this publication which contains the latest information on vaccines and vaccination procedures for all the vaccine preventable infectious diseases that may occur in the UK or in travellers going outside of the UK, particularly those immunisations that comprise the routine immunisation programme for all children from birth to adolescence. It is divided into two sections: the first section covers principles, practices and procedures, including issues of consent, contraindications, storage, distribution and disposal of vaccines, surveillance and monitoring, and the Vaccine Damage Payment Scheme; the second section covers the range of different diseases and vaccines.

Study and Master Mathematical Literacy Grade 12 CAPS Learner's Book

Study and Master Mathematics Grade 12 CAPS Study Guide

HM Treasury: Autumn Statement 2013 - Cm. 8747

The Stationery Office Despite the improvement in the public finances, this year's Autumn statement is fiscally neutral and locks in lower spending by reducing departmental budgets for 2014-15 and 2015-16 by 1.1% but excluding local government, Security & Intelligence Agencies and HMRC. The Government will: cap the Retail Prices Index in business rates to 2% in 2014-15 and extend the doubling of Small Business Rate Relief to April 2014; will provide a business rate discount of £1,000 in 2014-15 and 2014-16 for retail properties with a rateable value of up to £50,000 and a 50% discount from business rates for new occupants of previously empty retail premises for 18 months; abolish National Insurance Contributions for under 21 year olds on earnings up to £813 per week; remove cap on higher education student numbers; announce further reforms to make the most of the UK's science base; introduce a new tax relief for shale gas, and increase support for employee ownership and the creative industries; improve the UK's infrastructure with the

National Infrastructure Plan 2013; and take further action to increase housing supply and support home ownership. Fuel prices will be frozen and the impact of policies on energy bills will be reduced. The average increase in rail fares will capped. Married couples & civil partners will be allowed to transfer £1,000 of their income tax personal allowance to their spouse where neither is a higher rate taxpayer.

Computer Graphics and Geometric Modeling Using Beta-splines

Springer

14-19 diplomas

fifth report of session 2006-07, report, together with formal minutes, oral and written evidence

The Stationery Office In October 2004, the Tomlinson report (downloadable at <http://www.dfes.gov.uk/14-19/documents/Final%20Report.pdf>) set out wide-ranging proposals for changes to the curriculum and examination arrangements for the education of 14 to 19 year olds. In February 2005, the Government published its response in the form of a White Paper (Cm. 6476, ISBN 9780101647625) detailing a 10-year reform programme including the introduction of 14 new awards (originally called vocational Diplomas); thus rejecting the overarching Diploma award recommended in the Tomlinson report. Whilst stating its belief that the proposed changes would have been better structured and more coherent had Tomlinson's proposals been adopted, the Committee's report examines the design, development and implementation of the Government's Diplomas scheme.

Weapons of Math Destruction

How Big Data Increases Inequality and Threatens Democracy

Penguin UK A former Wall Street quant sounds an alarm on the mathematical models that pervade modern life - and threaten to rip apart our social fabric We live in the age of the algorithm. Increasingly, the decisions that affect our lives - where we go to school, whether we get a loan, how much we pay for insurance - are being made not by humans, but by mathematical models. In theory, this should lead to greater fairness: everyone is judged according to the same rules, and bias is eliminated. And yet, as Cathy O'Neil reveals in this urgent and necessary book, the opposite is true. The models being used today are opaque, unregulated, and incontestable, even when they're wrong. Most troubling, they reinforce discrimination. Tracing the arc of a person's life, O'Neil exposes the black box models that shape our future, both as individuals and as a society. These "weapons of math destruction" score teachers and students, sort CVs, grant or deny loans, evaluate workers, target voters, and monitor our health. O'Neil calls on modellers to take more responsibility for their algorithms and on policy makers to regulate their use. But in the end, it's up to us to become more savvy about the models that govern our lives. This important book empowers us to ask the tough questions, uncover the truth, and demand change.

Excel 2013: The Missing Manual

"O'Reilly Media, Inc." The world's most popular spreadsheet program is now more powerful than ever, but it's also more complex. That's where this Missing Manual comes in. With crystal-clear explanations and hands-on examples, Excel 2013: The Missing Manual shows you how to master Excel so you can easily track, analyze, and chart your data. You'll be using new features like PowerPivot and Flash Fill in no time. The important stuff you need to know: Go from novice to ace. Learn how to analyze your data, from writing your first formula to charting your results. Illustrate trends. Discover the clearest way to present your data using Excel's new Quick Analysis feature. Broaden your analysis. Use pivot tables, slicers, and timelines to examine your data from different perspectives. Import data. Pull data from a variety of sources, including website data feeds and corporate databases. Work from the Web. Launch and manage your workbooks on the road, using the new Excel Web App. Share your worksheets. Store Excel files on SkyDrive and collaborate with colleagues on Facebook, Twitter, and LinkedIn. Master the new data model. Use PowerPivot to work with millions of rows of data. Make calculations. Review financial data, use math and scientific formulas, and perform statistical analyses.

Taxonomy of Educational Objectives

The Classification of Educational Goals

A Computational Differential Geometry Approach to Grid Generation

Springer Science & Business Media The process of breaking up a physical domain into smaller sub-domains, known as meshing, facilitates the numerical solution of partial differential equations used to simulate physical systems. In an updated and expanded Second Edition, this monograph gives a detailed treatment based on the numerical solution of inverted Beltrami and diffusion equations with respect to monitor metrics for generating both structured and unstructured grids in domains and on surfaces.

Economic and Management Sciences, Grade 8

Study & master economic and management sciences grade 8 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in economic and management sciences.

Open Access

MIT Press A concise introduction to the basics of open access, describing what it is (and isn't) and showing that it is easy, fast, inexpensive, legal, and beneficial. The Internet lets us share perfect copies of our work with a worldwide audience at virtually no cost. We take advantage of this revolutionary opportunity when we make our work "open access": digital, online, free of charge, and free of most copyright and licensing restrictions. Open access is made possible by the Internet and copyright-holder consent, and many authors, musicians, filmmakers, and other creators who depend on royalties are understandably unwilling to give their consent. But for 350 years, scholars have written peer-reviewed journal articles for impact, not for money, and are free to consent to open access without losing revenue. In this concise introduction, Peter Suber tells us what open access is and isn't, how it benefits authors and readers of research, how we pay for it, how it avoids copyright problems, how it has moved from the periphery to the mainstream, and what its future may hold. Distilling a decade of Suber's influential writing and thinking about open access, this is the indispensable book on the subject for researchers, librarians, administrators, funders, publishers, and policy makers.

IGCSE Cambridge International Mathematics (0607)

Extended

Disorder and the Disinformation Society

The Social Dynamics of Information, Networks and Software

Routledge This book is the first general social analysis that seriously considers the daily experience of information disruption and software failure within contemporary Western society. Through an investigation of informationalism, defined as a contemporary form of capitalism, it describes the social processes producing informational disorder. While most social theory sees disorder as secondary, pathological or uninteresting, this book takes disordering processes as central to social life. The book engages with theories of information society which privilege information order, offering a strong counterpoint centred on "disinformation." Disorder and the Disinformation Society offers a practical agenda, arguing that difficulties in producing software are both inherent to the process of developing software and in the social dynamics of informationalism. It outlines the dynamics of software failure as they impinge on information workers and on daily life, explores why computerized finance has become inherently self-disruptive, asks how digital enclosure and intellectual property create conflicts over cultural creativity and disrupt informational accuracy and scholarship, and reveals how social media can extend, but also distort, the development of social movements.

Information Theory, Inference and Learning Algorithms

Cambridge University Press [Table of contents](#)

Accounting Questions & Answers

Speedy Publishing LLC An accounting study guide with questions, and answers is a helpful tool for anyone that is taking an accounting class. An accounting course book covers topics extensively. With the study guide the person can take the quizzes, and check their answers. The study guide shows which answer is correct. Some study guide books will explain why the other answers is close, but not correct. Once the person takes the quiz on a specific topic. They will find out where their weakness is, and what areas they have to study. The book will help them prepare for class exams, and any professional exams they may take.

Scientific and Technical Aerospace Reports

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Cambridge IGCSE Maths

HarperCollins UK Ensure top marks and complete coverage with Collins' brand new IGCSE Maths course for the Cambridge International Examinations syllabus 0580. Provide rigour with thousands of tried and tested questions using international content and levels clearly labelled to aid transition from the Core to Extended curriculum. Endorsed by University of Cambridge International Examinations Ensure students are fully prepared for their exams with extensive differentiated practice exercises, detailed worked examples and IGCSE past paper questions. Stretch and challenge students with supplementary content for extended level examinations and extension level questions highlighted on the page. Emphasise the relevance of maths with features such as 'Why this chapter matters' which show its role in everyday life or historical development. Develop problem solving with questions that require students to apply their skills, often in real life, international contexts. Enable students to see what level they are working at and what they need to do to progress with Core and Extended levels signalled clearly throughout. Encourage students to check their work with answers to all exercise questions at the back (answers to examination sections are available in the accompanying Teacher's Pack)."

The Mathematical Theory of Communication

University of Illinois Press Scientific knowledge grows at a phenomenal pace--but few books have had as lasting an impact or played as important a role in our modern world as *The Mathematical Theory of Communication*, published originally as a paper on communication theory more than fifty years ago. Republished in book form shortly thereafter, it has since gone through four hardcover and sixteen paperback printings. It is a revolutionary work, astounding in its foresight and contemporaneity. The University of Illinois Press is pleased and honored to issue this commemorative reprinting of a classic.

Safeguarding the Euro in Times of Crisis

The Inside Story of the ESM.

This book tells the inside story of those who played key roles in setting up the organisations and combatting the crisis. In exclusive interviews, global financial leaders and ESM insiders provide a rich stock of perspectives and anecdotes that bring to life the urgency of the crisis as well as the innovative solutions found to resolve it. The European Stability Mechanism and its temporary predecessor the EFSF provided billions of euros in loans to five hard-hit euro area countries during the European financial and sovereign debt crisis of the early 2000s, helping to safeguard the stability of those countries and the euro area as a whole. Initially, the crisis-torn euro area was ill-equipped institutionally, but the rapid establishment of the firewalls, the assistance programmes, deep-seated country reforms, the strengthening of European institutions, and extraordinary European Central Bank measures shielded Europe from a euro area break-up. With the EFSF/ESM set-up, its managers aspired to create a new, more entrepreneurial international financial institution, one that is agile enough to respond quickly to new challenges, while still ensuring the strict governance befitting an organisation pursuing a public mission. The euro area has emerged from near disaster in more robust shape. As Europe strives to further strengthen its architecture in preparation for any possible future crises, it is important to reflect upon how the euro area reinvigorated its fortunes and draw the relevant lessons for future crisis management in Europe and beyond.

Cambridge IGCSE Geography

Collins Educational An investigative approach to Cambridge IGCSE Geography, written in partnership with the Geographical Association. Encourage students to make links between case studies and their own local contexts as well as exploring the core themes and skills of the 0460 syllabus in the context of global case studies and processes. Prepare for exam success with full coverage of the core themes of Paper 1 (Population and Settlement, The Natural Environment, Economic Development and the Use of Resources) as well as the geographical and fieldwork skills elements of Papers 2, 3 and 4. Help students focus on achieving the best grades with excellent exam support for each Paper, with exam-style questions, answers at different levels and accompanying comments. Be confident in the content and approach - this resource is written by highly experienced Geography teachers, consulted edited by a CIE Principal Examiner, and produced in partnership with the UK Geographical Association - the home of best practice in Geography teaching.

Statement of Changes in Immigration Rules - HC 628

The Stationery Office The changes set out in this statement shall apply to decisions made on or after 28 October 2013. Supplied with explanatory memorandum (16p.: 30 cm)

Proofs from THE BOOK

Springer Science & Business Media According to the great mathematician Paul Erdős, God maintains perfect mathematical proofs in The Book. This book presents the authors candidates for such "perfect proofs," those which contain brilliant ideas, clever connections, and wonderful observations, bringing new insight and surprising perspectives to problems from number theory, geometry, analysis, combinatorics, and graph theory. As a result, this book will be fun reading for anyone with an interest in mathematics.

Educational Excellence Everywhere

Dated March 2016. Print and web pdfs available at <https://www.gov.uk/government/publications> Web ISBN=9781474130165

Bad Pharma

How Drug Companies Mislead Doctors and Harm Patients

Macmillan Argues that doctors are deliberately misinformed by profit-seeking pharmaceutical companies that casually withhold information about drug efficacy and side effects, explaining the process of pharmaceutical data manipulation and its global consequences. By the best-selling author of Bad Science.

The First 20 Hours

How to Learn Anything ... Fast

Penguin UK Josh Kaufman, bestselling author of The Personal MBA, is back with his new book, The First Twenty Hours, to teach readers how to learn anything... fast! 'Lots of books promise to change your life. This one actually will' -Seth Godin Pick up any new skill in just 20 hours... Want to learn to paint, play the piano, launch a business, fly a plane? Then pick up this book and set aside twenty hours to go from knowing nothing to performing like a pro. That's it. Josh Kaufman, author of international bestseller The Personal MBA, has developed this brilliant approach to mastering anything fast. You'll learn how to: • Focus energy on acquiring key skill sets • Eliminate obstacles and discover critical tools • Create rapid feedback loops • Work against the clock to get better fast With examples ranging from writing a web program to learning an instrument to picking up windsurfing, Kaufman shows how to break complexity into simple tasks, make the very best of your limited time and solve unexpected problems. In The First 20 Hours you'll learn how to acquire any skill in record time - and have a lot of fun along the way. 'After reading this, you'll be ready to take on any number of skills and make progress on that big project you've been putting off for years' Chris Guillebeau, author of The \$100 Startup

Psychotherapy and Counselling in Practice

A Narrative Framework

Cambridge University Press This important and timely book gives a balanced synthesis, based on actual cases, evidence, practice, and experience, to describe the process of psychotherapy and identify the fundamental elements that lead to good outcome across all its schools. In the course of developing a consistently reliable, effective, practical psychotherapy, Digby Tantam pinpoints four essential principles to provide essential reading for psychiatrists or clinical psychologists looking for a straightforward framework for short-term psychotherapy and anyone working long-term with patients using a psychotherapy model.

Calculus for Business, Economics, and the Social and Life Sciences

Calculus for Business, Economics, and the Social and Life Sciences introduces calculus in real-world contexts and provides a sound, intuitive understanding of the basic concepts students need as they pursue careers in business, the life sciences, and the social sciences. The new Ninth Edition builds on the straightforward writing style, practical applications from a variety of disciplines, clear step-by-step problem solving techniques, and comprehensive exercise sets that have been hallmarks of Hoffmann/Bradley's success through the years.

The History and Future of the World Trade Organization

The History and Future of the World Trade Organization is a comprehensive account of the economic, political and legal issues surrounding the creation of the WTO and its evolution. Fully illustrated with colour and black-and-white photos dating back to the early days of trade negotiations, the publication reviews the WTO's achievements as well as the challenges faced by the organisation, and

identifies the key questions that WTO members need to address in the future. The book describes the intellectual roots of the trading system, membership of the WTO and the growth of the Geneva trade community, trade negotiations and the development of coalitions among the membership, and the WTO's relations with other international organisations and civil society. Also covered are the organisation's robust dispute settlement rules, the launch and evolution of the Doha Round, the rise of regional trade agreements, and the leadership and management of the WTO.

A Taxonomy for Learning, Teaching, and Assessing

A Revision of Bloom's Taxonomy of Educational Objectives

Pearson This revision of Bloom's taxonomy is designed to help teachers understand and implement standards-based curriculums. Cognitive psychologists, curriculum specialists, teacher educators, and researchers have developed a two-dimensional framework, focusing on knowledge and cognitive processes. In combination, these two define what students are expected to learn in school. It explores curriculums from three unique perspectives-cognitive psychologists (learning emphasis), curriculum specialists and teacher educators (C & I emphasis), and measurement and assessment experts (assessment emphasis). This revisited framework allows you to connect learning in all areas of curriculum. Educators, or others interested in educational psychology or educational methods for grades K-12.

Foundations of Computational Mathematics

Cambridge University Press Collection of papers by leading researchers in computational mathematics, suitable for graduate students and researchers.

Diffusion-Wave Fields

Mathematical Methods and Green Functions

Springer Science & Business Media Develops a unified mathematical framework for treating a wide variety of diffusion-related periodic phenomena in such areas as heat transfer, electrical conduction, and light scattering. Deriving and using Green functions in one and higher dimensions to provide a unified approach, the author develops the properties of diffusion-wave fields first for the well-studied case of thermal-wave fields and then applies the methods to nonthermal fields.

A History of Mathematics

An Introduction

Addison Wesley Publishing Company This text grew from the authors' conviction that both prospective school teachers and college teachers of maths need a background in history to be more effective as instructors in the classroom. Prospective instructors gain an appreciation of the contributions of all cultures, and this text explains how mathematics developed over the centuries. Also suitable for those studying maths and science at degree level.

Axiom of Choice

Springer Science & Business Media AC, the axiom of choice, because of its non-constructive character, is the most controversial mathematical axiom. It is shunned by some, used indiscriminately by others. This treatise shows paradigmatically that disasters happen without AC and they happen with AC. Illuminating examples are drawn from diverse areas of mathematics, particularly from general topology, but also from algebra, order theory, elementary analysis, measure theory, game theory, and graph theory.

Economic and Management Sciences, Grade 9

Number Patterns 1

Tourism and Hospitality Studies

Peter Lang D This book discusses "tourism and hospitality" from different perspectives and disciplines. In addition, this book, considering the tourism and hotel management terminology, is expected to be a source book for the theoretical and practical scientific studies in the fields which is in close relationship such as gastronomy, recreation and marketing.

Mathematical Literacy, Grade 11

Study & Master Mathematical Literacy Grade 11 has been especially developed by an experienced author team according to the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Mathematical Literacy. The comprehensive Learner's Book includes: * thorough coverage of the basic skills topics to lay a sound foundation for the development of knowledge, skills and concepts in Mathematical Literacy * margin notes to assist learners with new concepts - especially Link boxes, that refer learners to the basic skills topics covered in Term 1, Unit 1-16 * ample examples with a strong visual input to connect Mathematical Literacy to everyday life.