

THE CARBON FOOTPRINT OF EVERYTHING

MIKE BERNERS-LEE



HOW BAD ARE BANANAS?

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How Bad Are Bananas The Carbon Footprint Of Everything

Gerry McGovern



How Bad Are Bananas The Carbon Footprint Of Everything:

How Bad Are Bananas? Mike Berners-Lee, 2020-09-03 It is terrific I can't remember the last time I read a book that was more fascinating and useful and enjoyable all at the same time Bill Bryson *How Bad Are Bananas* was a groundbreaking book when first published in 2009 when most of us were hearing the phrase carbon footprint for the first time Mike Berners-Lee set out to inform us what was important aviation heating swimming pools and what made very little difference bananas naturally packaged are good This new edition updates all the figures from data centres to hosting a World Cup and introduces many areas that have become a regular part of modern life Twitter the Cloud Bitcoin electric bikes and cars even space tourism Berners-Lee runs a considered eye over each area and gives us the figures to manage and reduce our own carbon footprint as well as to lobby our companies businesses and government His findings presented in clear and even entertaining prose are often surprising And they are essential if we are to address climate change *The Handbook of Carbon Management* Petra Molthan-Hill, Fiona Winfield, Richard Howarth, Muhammad Mazhar, 2023-02-27 Winner of the 2024 Business Book Awards Change Sustainability category Winner of the Bronze Axiom Business Book Award 2024 in the Philanthropy Non Profit Sustainability category Every manager and every employee in every function can embed climate solutions and reduce greenhouse gas emissions This book written by experts in the field of sustainability in business shows you how The climate crisis is one of the greatest challenges we face today and it affects all aspects of business and society Consequently everyone needs to know the best high impact climate solutions that can be embedded into their organisational area In this book you will find ideas for your team your department and your organisation to make this a reality We provide you with implementation plans and inspiring case studies with practical and helpful tools that will help you to scale up climate solutions effectively and efficiently If you are an owner of a company or an executive in any organisation you will benefit from this step by step guide on how to set up your own greenhouse gas management plan how to set targets and how to reduce the greenhouse gas emissions of your whole organisation We explain key terms such as Net Zero Carbon Neutral carbon emissions equivalents and the three scopes In order to halve our emissions worldwide by 2030 to achieve Net Zero by 2050 individual actions on a large scale are required but also systemic changes We look at the bigger picture in this book and also how you could effect change This is the first book to offer an easy to implement approach to decarbonise organisations and transform societies and is appropriate for managers at any level This book can also be used in business schools to inspire future managers and business leaders Last but not least everyone can find ideas here that they can implement in their personal lives let's scale up together **Lehrbuch der Ökobilanzierung** Rolf Frischknecht, 2020-03-02 In diesem Buch werden die Grundzüge der Methode der Ökobilanzierung erläutert aktuelle Bewertungsmethoden vorgestellt sowie praktische Hinweise für den Einstieg gegeben Ein Exkurs in die Geschichte der Ökobilanzierung zeigt die lange Tradition des Lebenswegdenkens auf welches seit dem 19. Jahrhundert praktiziert wird Die Leserinnen und Leser bekommen die Methode

der Kobilanzierung anhand der Struktur der internationalen Normen ISO 14041 und 14044 aufgezeigt. Die seit jeher kontrovers diskutierten Themen wie Definition der funktionellen Einheit, Wahl eines passenden Systemmodells, Allokation und Recycling oder Modellierung eines Strommixes werden im Buch ausführlich behandelt. Dabei wird auf das unabdingbare Füllen von Werturteilen und den teilweise subjektiven Charakter von Entscheidungen und Annahmen speziell hingewiesen. Auch die mathematischen Grundlagen der Kobilanzierung erläutert der Autor Rolf Frischknecht systematisch.

C -Die vielen Leben des Kohlenstoffs Dag Olav Hessen, 2020-10-01. C: Die vielen Leben des Kohlenstoffs erzählt die Geschichte des fragilen Gleichgewichts zwischen Photosynthese und Zellatmung, zwischen Aufbau und Verbrennung, zwischen Leben und Tod und davon, wie dieses durch das Einwirken des Menschen unwiderruflich gestört wurde. Kohlenstoff ist das Schlüsselement des Lebens, der Grundbaustein der Zellen in unserem Körper und in allem bekannten Leben auf der Erde. Angesichts der Krise des Klimawandels ist es jetzt wichtiger als je zuvor, dieses wichtige chemische Element und seinen Lebenszyklus zu verstehen. Dag Olav Hessen nimmt den Leser in fesselnder Prosa mit auf eine Reise von Atom zu Planet.

World Wide Waste: How Digital Is Killing Our Planet and What We Can Do About It Gerry McGovern, 2020-03-13. Speaking out when it's unpopular. Back in the day Henry David Thoreau raged at the robber barons, the big shots of their age despoiling the environment in the name of progress. Deep in the throes of the seemingly unstoppable growth of tech, a modern-day Thoreau has emerged in the guise of Gerry McGovern, decrying the massive hidden negative impacts of tech on the environment. McGovern has thoroughly documented in *World Wide Waste* how tech damages the Earth and what we should be doing about it. It is not just the acres of discarded computer hardware conveniently dumped in Third World countries. Every time an email is downloaded, it contributes to global warming. Every tweet, search, check of a webpage creates pollution. Digital is physical. Those data centers are not in the Cloud. They're on land in massive physical buildings packed full of computers hungry for energy. It seems invisible. It seems cheap and free. It's not. Digital costs the Earth.

The Rise and Rise of Indicators Stephen Morse, 2019-05-20. This book makes indicators more accessible in terms of what they are, who created them, and how they are used. It examines the subjectivity and human frailty behind these quintessentially hard and technical measures of the world. To achieve this goal, *The Rise and Rise of Indicators* presents the world in terms of a selected set of indicators. The emphasis is upon the origins of the indicators and the motivation behind their creation and evolution. The ideas and assumptions behind the indicators are made transparent to demonstrate how changes to them can dramatically alter the ranking of countries that emerge. They are, after all, human constructs and thus embody human biases. The book concludes by examining the future of indicators, and the author sets out some possible trajectories, including the growing emphasis on indicators as important tools in the Sustainable Development Goals that have been set for the world up until 2030. This is a valuable resource for undergraduate and postgraduate students in the areas of economics, sociology, geography, environmental studies, development studies, area studies, business studies, politics, and international relations.

Energieorientierte BWL Johannes Kals, 2025-01-29 Durch steigende Energiepreise und den Klimawandel gewinnt das betriebliche Energiemanagement zentrale Bedeutung In diesem Einführungswerk werden die Grundlagen des Energiemanagements vorgestellt um Unternehmen den systematischen Aufbau der notwendigen Funktionen zu ermöglichen Die Informationsgrundlage des Energiemanagements sind Energiebilanzen Auf dieser Basis können Abteilungen wie Logistik Produktion oder Technische Planung ihre jeweiligen Aufgaben im Hinblick auf Energie optimieren Die Digitalisierung ermöglicht vielfach neue Lösungen Besonderer Wert wird auf konkrete Methoden Tools und die Evaluation der wichtigsten Einsparmöglichkeiten mit Beispielen gelegt Informationen zu Klimawandel Technologien zur Nutzung regenerativer Energien und zu volkswirtschaftlichen Aspekten runden das Buch ab

Das vegane Gesundheitsbuch Dr. Annette Kerckhoff, Julia Schneider, 2021-03-01 Alles was man wissen muss um vegan die Gesundheit zu stärken und die Erde zu schützen Immer mehr Menschen essen vegan gut so Wer dabei nicht nur an die eigene Gesundheit sondern auch an die Erdgesundheit denken möchte der landet unweigerlich bei regionalen saisonalen unverarbeiteten pflanzlichen Lebensmitteln Die Ernährung und Gesundheitsexpertin Dr Annette Kerckhoff und die Vegan Spezialistin Julia Schneider liefern in ihrem veganen Gesundheitsbuch alle wichtigen Informationen zur klimafreundlichen pflanzenbasierten Ernährung Sie zeigen dass einheimische Lebensmittel Kräuter Wildpflanzen und Getreide große Heilkräfte haben und als Heilmittel eingesetzt werden können Im Ratgeberteil stellen sie rein vegane Hausmittel mit regionalen Zutaten für die häufigsten Beschwerden vor egal ob Eisenmangel Gelenk Beschwerden oder Husten für alles gibt es ein veganes und nachhaltiges Heilmittel Eine Besonderheit sind die 40 heilkräftigen Super Regios als potente Alternative zu Superfoods aus Übersee Sie heißen u.a Buchweizen Dinkel Esskastanie Fenchel Gerste Hagebutte Kamel Petersilie Schnittlauch Zwiebel und zeigen dass die Apotheke der Natur direkt vor unserer Haustür wahre Schätze für die nachhaltige vegane Küche und für wirksame Selbsthilfe bietet Wir müssen sie nur wieder neu kennenlernen Und wir müssen lernen sie richtig anzuwenden

Data, Statistics, and Useful Numbers for Environmental Sustainability Benoit Cushman-Roisin, Bruna Tanaka Cremonini, 2021-05-14 Data Statistics and Useful Numbers for Environmental Sustainability Bringing the Numbers to Life is an accessible reference for researchers working in environmental and sustainability fields who need to communicate the latest data and statistics to reinforce their own research or message The book compiles the most needed numbers into one resource and covers a variety of relevant topics including materials energy environment city planning electronics and waste This handbook is clearly indexed and full of comprehensive tables making it easy to find answers Researchers in environmental and sustainability related fields will find it an invaluable resource Collects and presents important environmental data in one accessible resource Provides key information needed for effectively communicating environmental and sustainability issues Offers a clear index Includes detailed tables throughout for ease of access

Not the End of the World Hannah Ritchie, 2024-01-09 This eye opening and essential book Bill Gates will transform how you see our biggest environmental problems and explains how we can solve

them It s become common to tell kids that they re going to die from climate change We are constantly bombarded by doomsday headlines that tell us the soil won t be able to support crops fish will vanish from our oceans and that we should reconsider having children But in this bold radically hopeful book data scientist Hannah Ritchie argues that if we zoom out a very different picture emerges In fact the data shows we ve made so much progress on these problems that we could be on track to achieve true sustainability for the first time in human history Did you know that Carbon emissions per capita are actually down Deforestation peaked back in the 1980s The air we breathe now is vastly improved from centuries ago And more people died from natural disasters a hundred years ago Packed with the latest research practical guidance and enlightening graphics this book will make you rethink almost everything you ve been told about the environment Not the End of the World will give you the tools to understand our current crisis and make lifestyle changes that actually have an impact Hannah cuts through the noise by outlining what works what doesn t and what we urgently need to focus on so we can leave a sustainable planet for future generations These problems are big But they are solvable We are not doomed We can build a better future for everyone Let s turn that opportunity into reality

The Business Student's Guide to Sustainable Management Petra Molthan-Hill,2017-11-30 Aimed at undergraduates this is the first textbook to offer a full introduction to sustainable management covering all subject areas relevant to business students The book includes chapters and seminars on subjects such as Corporate Sustainable Strategy Sustainable Marketing Sustainability Reporting Supply Chain Management Human Resources Management Supporting Sustainable Business Environmental Economics Sustainable Operations Management Greenhouse Gas Management and System Thinking in Sustainable Management The book contains nearly 30 ready made seminars employing various teaching methods Each chapter follows the same easy to use format This book provides a true treasure chest of materials to support staff wanting to integrate sustainability into their teaching and provides support to effectively embed sustainability in the curriculum The chapters also offer a starting point in developing teaching units for Masters and MBA students The material is not just useful to people in business schools but to those involved in wider scale curriculum change and those looking to make links between different disciplines

Living the 1.5 Degree Lifestyle Lloyd Alter,2021-09-14 Stop thinking about efficiency and start thinking about sufficiency Living the 1 5 Degree Lifestyle reveals the carbon cost of everything we do identifying where we can make big reductions while not sweating the small stuff The international scientific consensus is that we have less than a decade to drastically slash our collective carbon emissions to keep global heating to 1 5 degrees and avert catastrophe This means that many of us have to cut our individual carbon footprints by over 80% to 2 5 tonnes per person per year by 2030 But where to start Drawing on Lloyd Alter s journey to track his daily carbon emissions and live the 1 5 degree lifestyle coverage includes What it looks like to live a rich and truly green life From take out food to bikes and cars to your internet usage finding the big wins ignoring the trivial and spotting marketing ploys The invisible embodied carbon baked into everything we own and why electric cars aren

t the answer How to start thinking about sufficiency rather than efficiency The roles of individuals versus governments and corporations Grounded in meticulous research and yet accessible to all Living the 1 5 Degree Lifestyle is a journey toward a life of quality over quantity and sufficiency over efficiency as we race to save our only home from catastrophic heating

Why we can't afford the rich Sayer, Andrew, 2014-11-25 As inequalities widen and the effects of austerity deepen in many countries the wealth of the rich has soared Why we can't afford the rich exposes the unjust and dysfunctional mechanisms that allow the top 1% to siphon off wealth produced by others through the control of property and money Leading social scientist Andrew Sayer shows how over the last three decades the rich worldwide have increased their ability to hide their wealth create indebtedness and expand their political influence Written accessibly for a wide readership this important book uses simple distinctions to burst the myth of the rich as specially talented wealth creators Furthermore as the risk of runaway climate change grows it shows how the rich are threatening the planet by banking on unsustainable growth The author forcefully argues that the crises of economy and climate can only be resolved by radical change to make economies sustainable fair and conducive to well being for all *Business and the Sustainability Challenge* Peter N.

Nemetz, 2013-08-29 It is vitally important for businesses to have a holistic understanding of the many issues surrounding and shaping sustainability from competitors to government and political factors to economics and ecological science This integrated textbook for MBA and senior level undergraduates offers a comprehensive overview of the issues of sustainability as they relate to business and influence corporate strategy It also features a wide range of cases and an extensive discussion of tools to incorporate sustainability issues into strategic decision making helping instructors and students to build and then apply a solid understanding of sustainability in business Corporate Strategy and Sustainability Peter N.

Nemetz, 2024-12-31 Corporate Strategy and Sustainability is a substantially updated detailed overview of sustainability issues for business and economics students Built to teach the evolution of the history of sustainability practices this edition has expanded coverage of social sustainability issues non Western perspectives and sustainable supply chains Rich in cases these too have been updated to demonstrate best practice and the practical application of theory Extensive discussions of tools show how incorporate sustainability issues apply to strategic decision making The book accentuates the value and importance of a strong sustainability approach in an age of climate change emergency This textbook is an ideal companion to instructors and students of sustainability in business economics and management *Rationing Earth* Herb

Bentz, 2016-12-12 Our economy has spiralled out of control with too much focus on the quantity of production The way to reduce this wasteful overproduction of goods and services is to increase their quality In this groundbreaking book industrial designer Herb Bentz explains how to fix the economy and break the environment versus economy deadlock Bentz tells us how the use of good design can improve the quality of what we produce and how a beneficial growth in quality can substitute for the destructive increase in quantity Tying together many diverse aspects of the economy economic growth unemployment

the welfare state and the need to ration Rationing Earth provides a critical analysis and a way forward at this crucial moment Despite high wealth in rich countries there is still poverty and inadequate funding for social programs This unjustified austerity has resulted in a persistence of economic insecurity the proliferation of poor quality products and inadequate action on environmental problems Bentz provides an economic solution from a designer s perspective By using elements of design thinking to achieve an overarching synthesis of the world s challenging problems including effectiveness of government the opposing demands of capital and labour positive and negative effects of technology and the absolute boundaries of a finite earth he presents practical solutions to the conflicting needs for economic growth full employment and reduced consumption In each of these areas Rationing Earth addresses the toughest questions How will we adapt to less economic growth How do we solve unemployment What is the proper role of government And how can we create an economy that effectively rations scarce resources without reducing prosperity Bentz blends an entertaining style with a concise but broad analysis that is provocative informative and pertinent to anyone interested in economic change that has a positive impact on the environment

Local Activism for Global Climate Justice Patricia E. Perkins, 2019-09-06 This book will inspire and spark grassroots action to address the inequitable impacts of climate change by showing how this can be tackled and the many benefits of doing so With contributions from climate activists and engaged young authors this volume explores the many ways in which people are proactively working to advance climate justice The book pays special attention to Canada and the Great Lakes watershed showing how the effects of climate change span local regional and global scales through the impact of extreme weather events such as floods and droughts with related economic and social effects that cross political jurisdictions Examining examples of local level activism that include organizing for climate resilient and equitable communities the dynamic leadership of Indigenous peoples especially women for water and land protection and diaspora networking Local Activism for Global Climate Justice also provides theoretical perspectives on how individual action relates to broader social and political processes Showcasing a diverse range of inspirational and thought provoking case studies this book will be of great interest to students and scholars of climate justice climate change policy climate ethics and global environmental governance as well as teachers and climate activists

Handbook of Human Factors for Automated, Connected, and Intelligent Vehicles Donald L. Fisher, William J. Horrey, John D. Lee, Michael A. Regan, 2020-05-31 Handbook of Human Factors for Automated Connected and Intelligent Vehicles Subject Guide Ergonomics Human Factors Automobile crashes are the seventh leading cause of death worldwide resulting in over 1.25 million deaths yearly Automated connected and intelligent vehicles have the potential to reduce crashes significantly while also reducing congestion carbon emissions and increasing accessibility However the transition could take decades This new handbook serves a diverse community of stakeholders including human factors researchers transportation engineers regulatory agencies automobile manufacturers fleet operators driving instructors vulnerable road users and special populations It provides information about the human

driver other road users and human automation interaction in a single integrated compendium in order to ensure that automated connected and intelligent vehicles reach their full potential Features Addresses four major transportation challenges crashes congestion carbon emissions and accessibility from a human factors perspective Discusses the role of the human operator relevant to the design regulation and evaluation of automated connected and intelligent vehicles Offers a broad treatment of the critical issues and technological advances for the designing of transportation systems with the driver in mind Presents an understanding of the human factors issues that are central to the public acceptance of these automated connected and intelligent vehicles Leverages lessons from other domains in understanding human interactions with automation Sets the stage for future research by defining the space of unexplored questions [The Great Plant-Based Con](#) Jayne Buxton, 2022-06-09 WINNER OF THE INVESTIGATIVE FOOD WORK AWARD AT THE GUILD OF FOOD WRITERS AWARDS 2023 The most incredible book Delia Smith Persuasive entertaining and well researched Sunday Times Plant based is best for health go vegan to help save the planet eat less meat Almost every day we are bombarded with the seemingly incontrovertible message that we must reduce our consumption of meat and dairy or eliminate them from our diets altogether But what if the pervasive message that the plant based diet will improve our health and save the planet is misleading or even false What if removing animal foods from our diet is a serious threat to human health and a red herring in the fight against climate change In THE GREAT PLANT BASED CON Jayne Buxton demonstrates that each of these what ifs is in fact a reality Drawing on the work of numerous health experts and researchers she uncovers how the separate efforts of a constellation of individuals companies and organisations are leading us down a dietary road that will have severe repercussions for our health and wellbeing and for the future of the planet THE GREAT PLANT BASED CON is neither anti plant nor anti vegan it is a call for us to take an honest look at the facts about human diets and their effect on the environment Shocking and eye opening this book outlines everything you need to know to make more informed decisions about the food you choose to eat *The Sustainable(ish) Guide to Green Parenting* Jen Gale, 2021-03-18 The most family friendly way to start doing your bit The Sunday Times The must have friendly green bible of accessible eco tips for families As a parent getting out of the house with everyone wearing shoes on a good day can feel like you re winning so adding being green to the never ending to do list might feel like the thing to bring all your spinning plates crashing to the ground If that s the case then this is the book for you Instead you ll find easy do able ideas and suggestions for you to pick and choose from try out and adapt Plus bucketfuls of encouragement as you explore what works for you and your family No preaching No judgement No guilt

The book delves into How Bad Are Bananas The Carbon Footprint Of Everything. How Bad Are Bananas The Carbon Footprint Of Everything is an essential topic that needs to be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into How Bad Are Bananas The Carbon Footprint Of Everything, encompassing both the fundamentals and more intricate discussions.

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 6. In chapter 5, this book will draw a conclusion about How Bad Are Bananas The Carbon Footprint Of Everything. This chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of How Bad Are Bananas The Carbon Footprint Of Everything.

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