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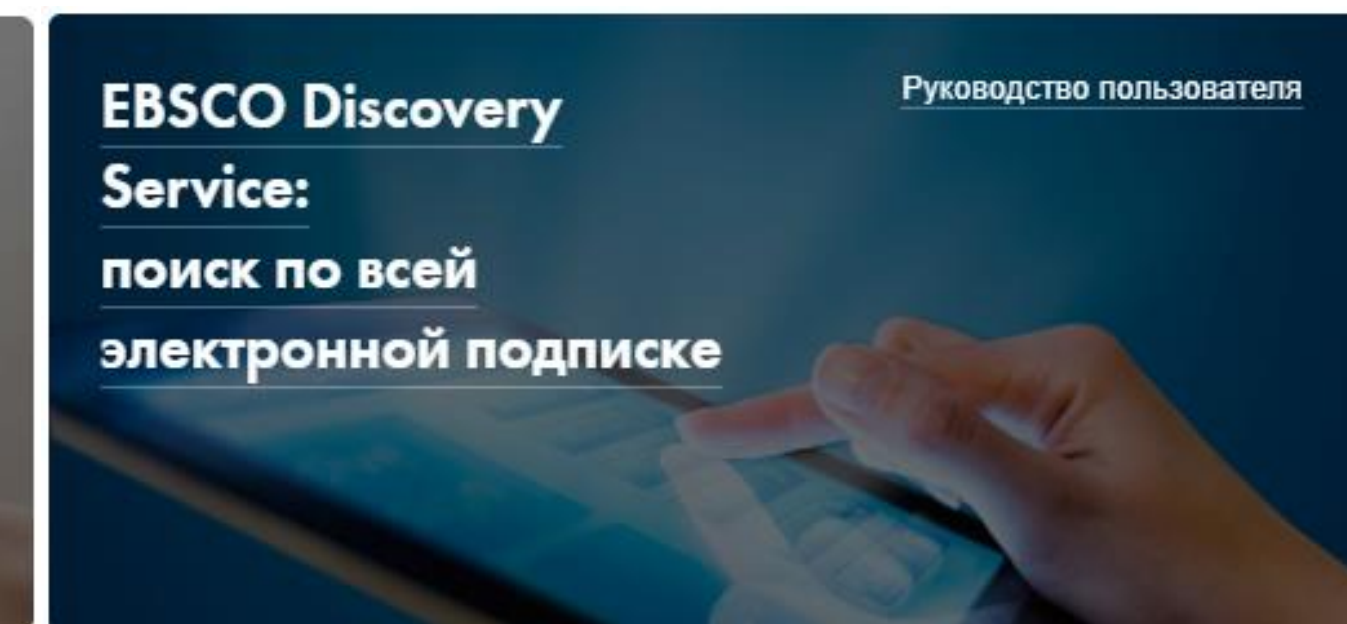
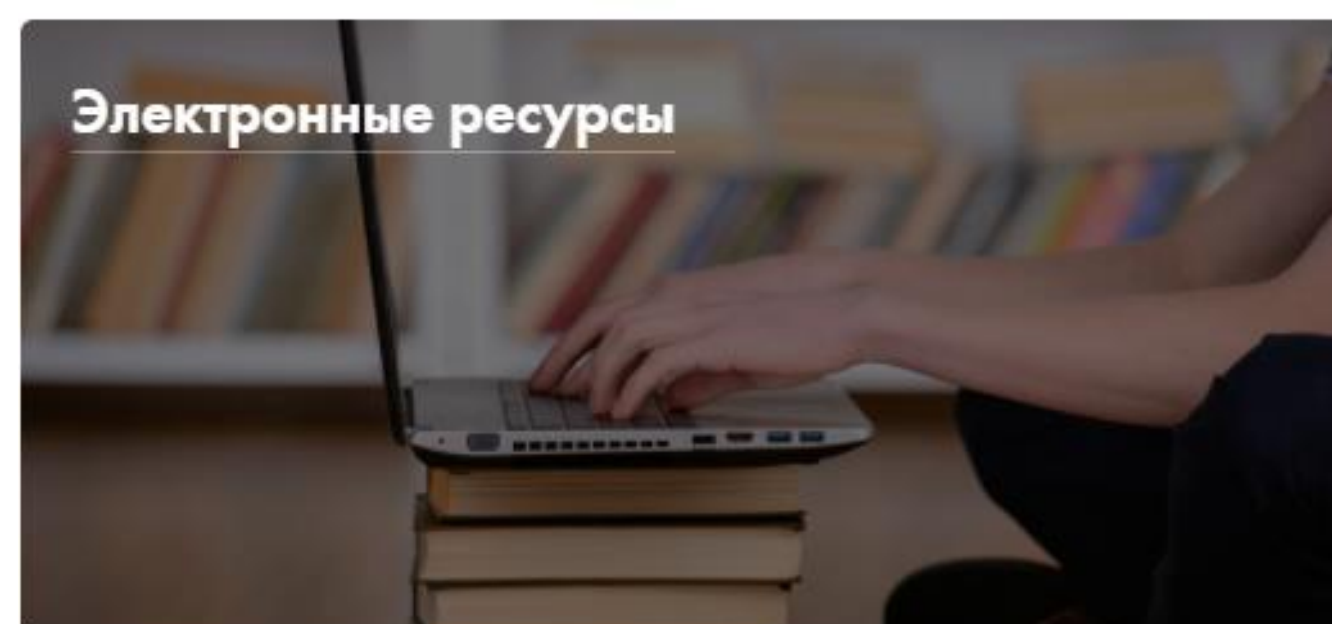
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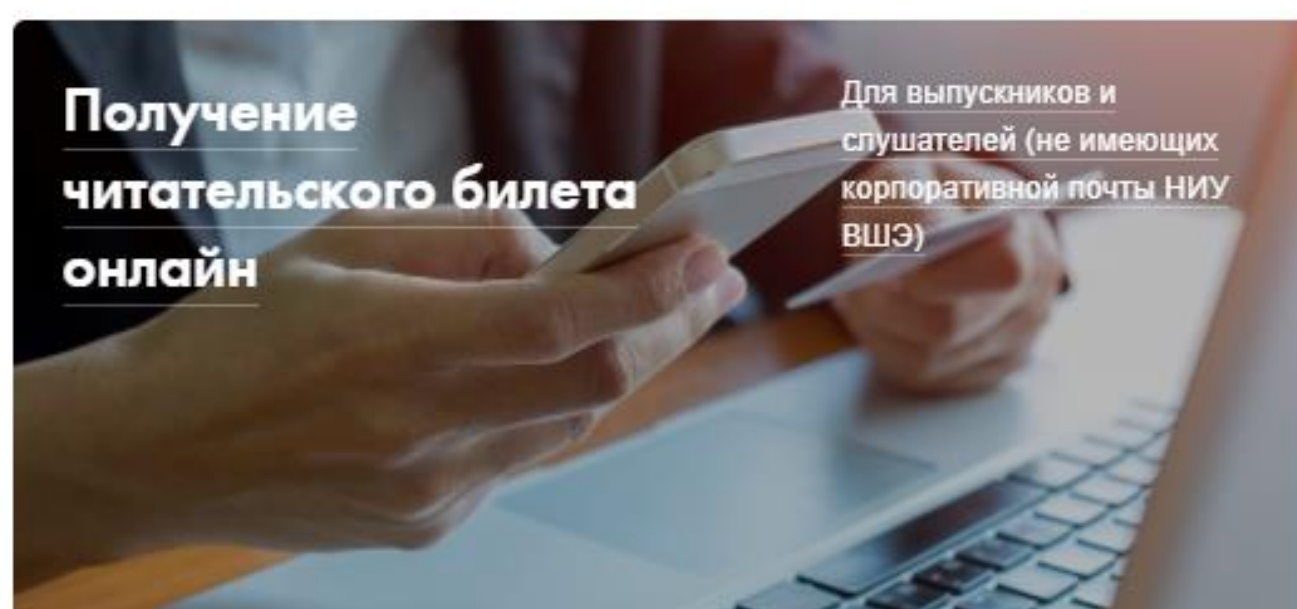
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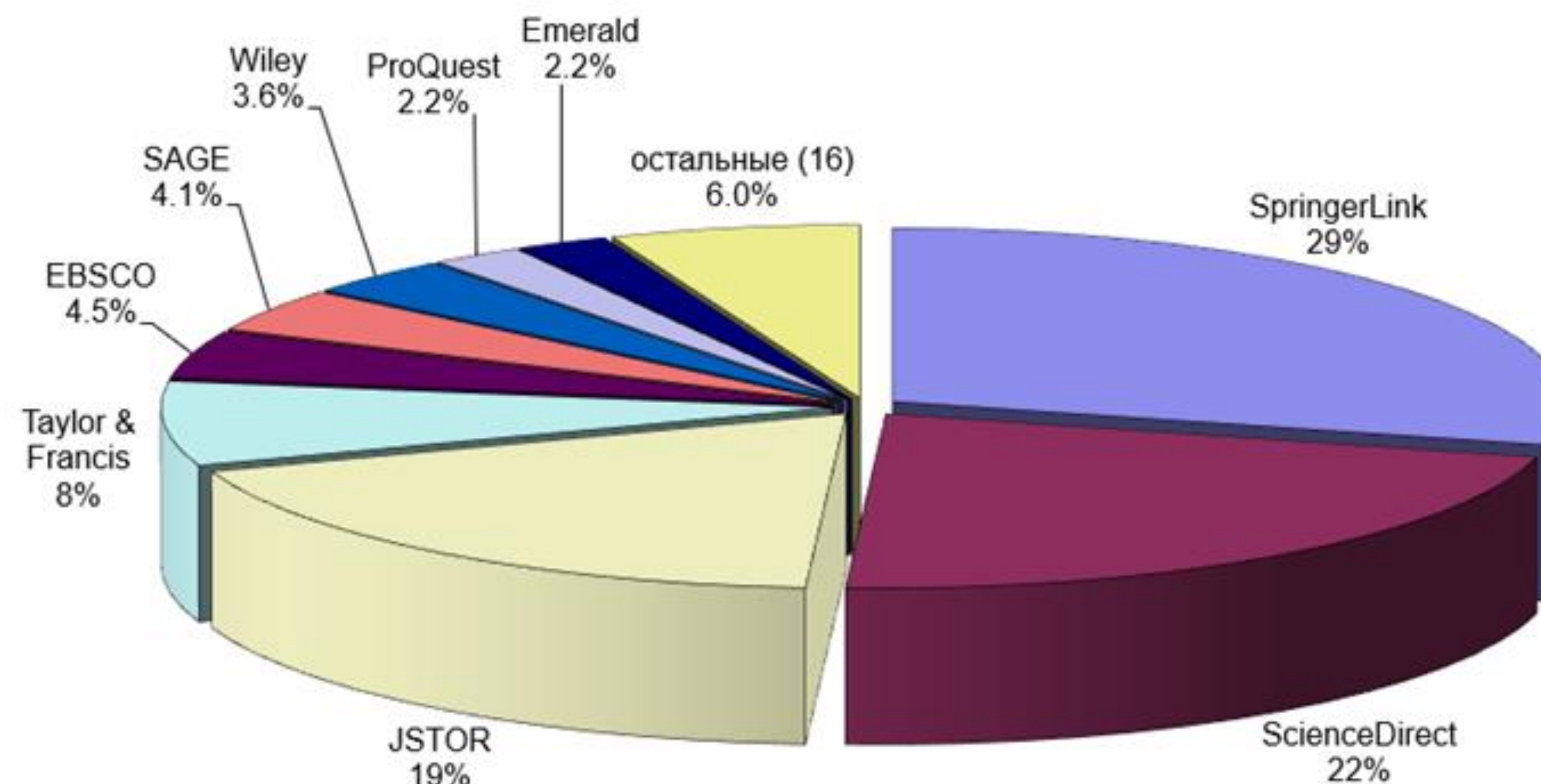
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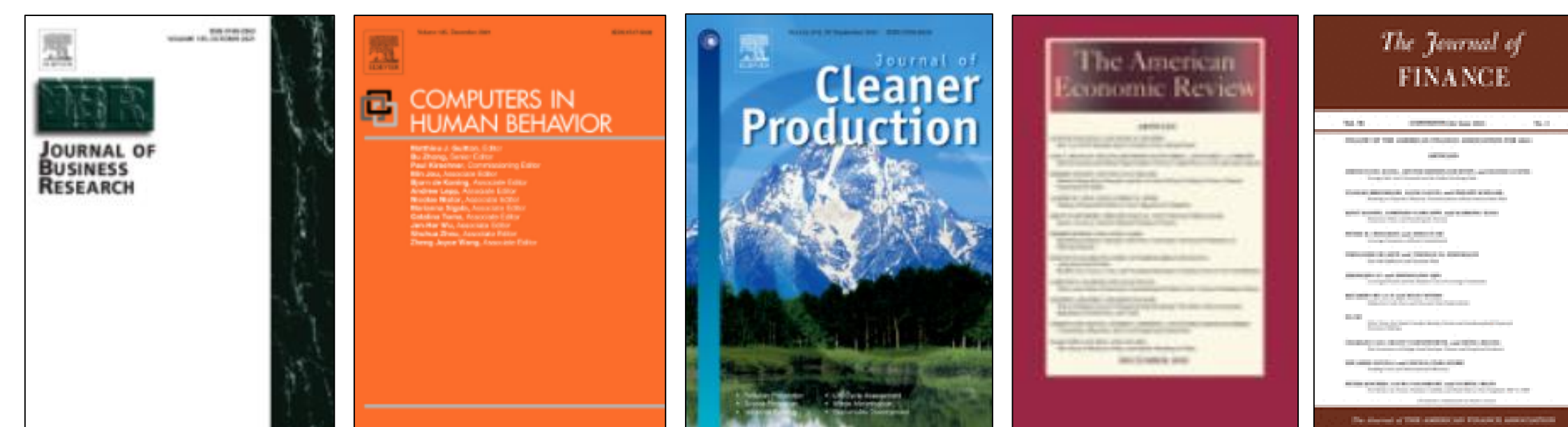
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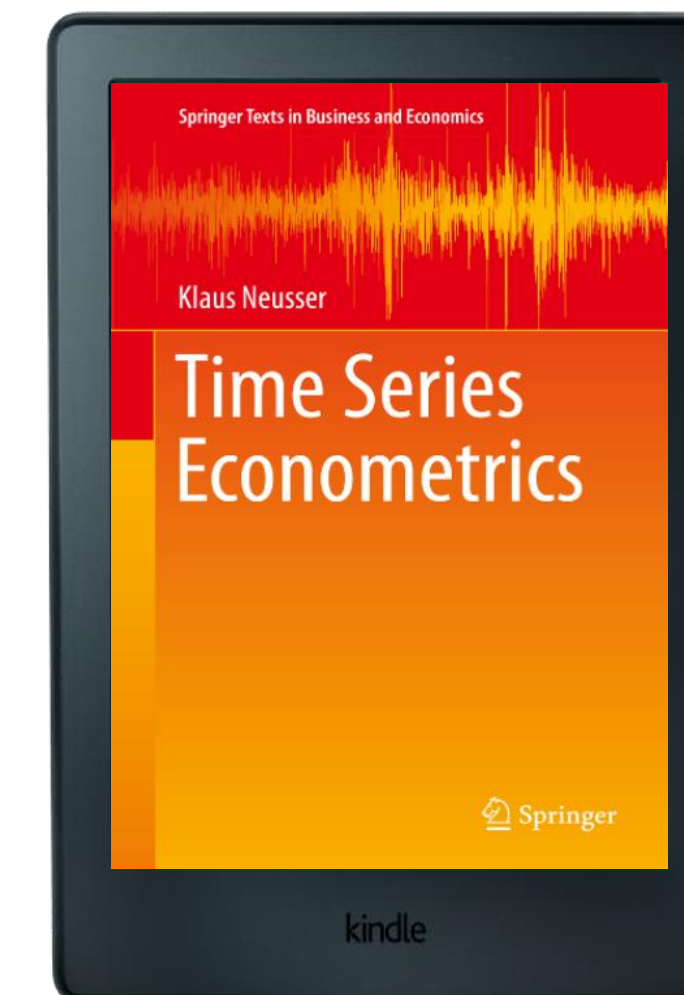
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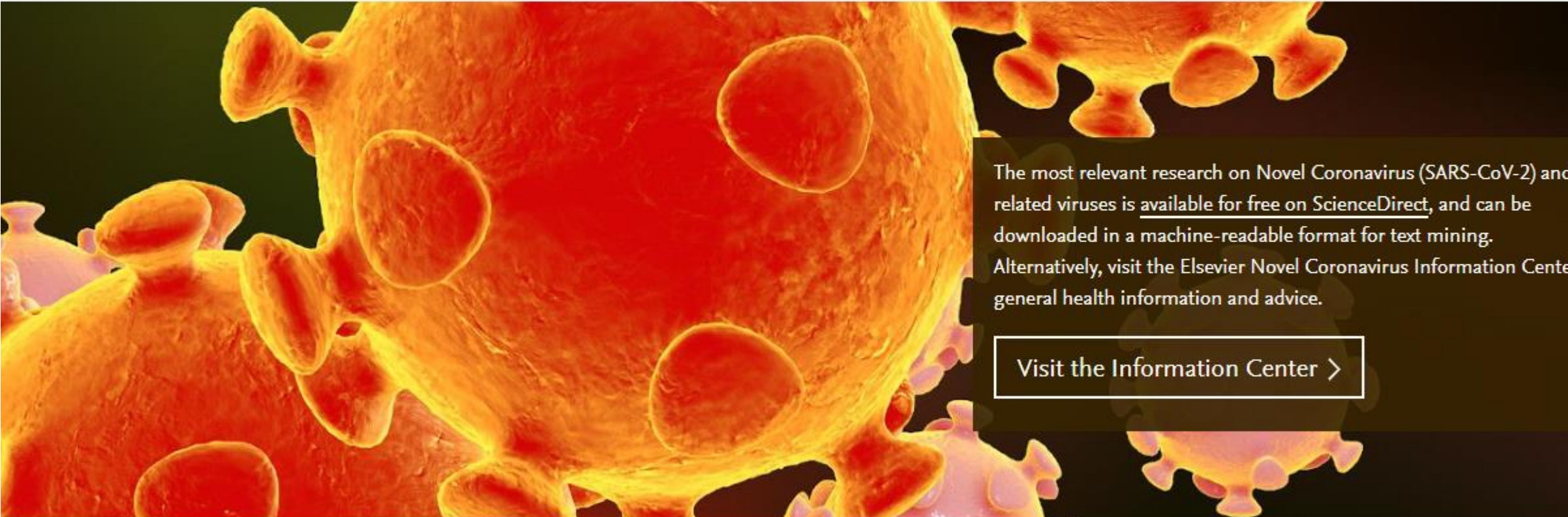
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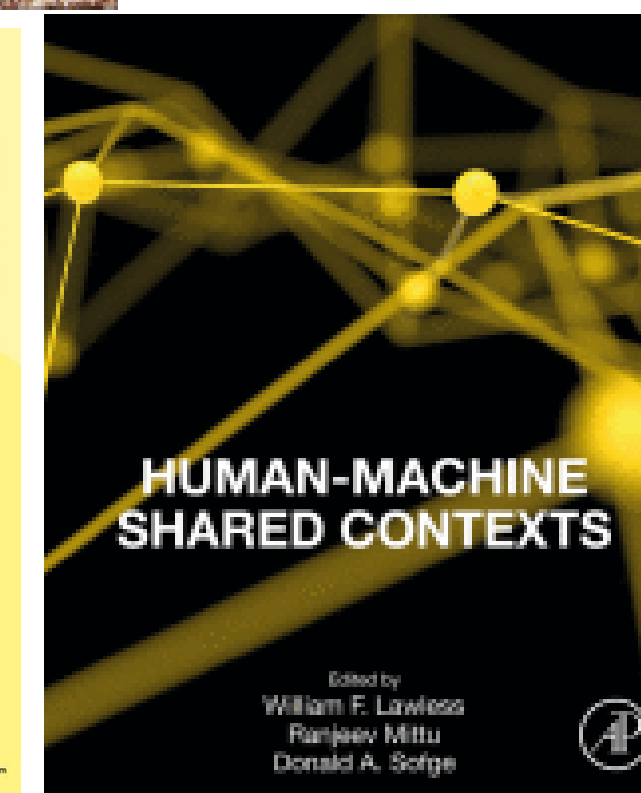
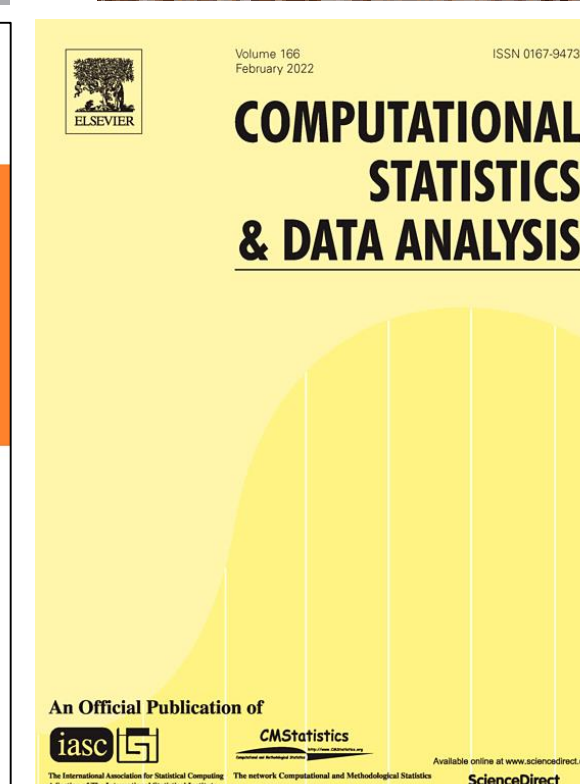
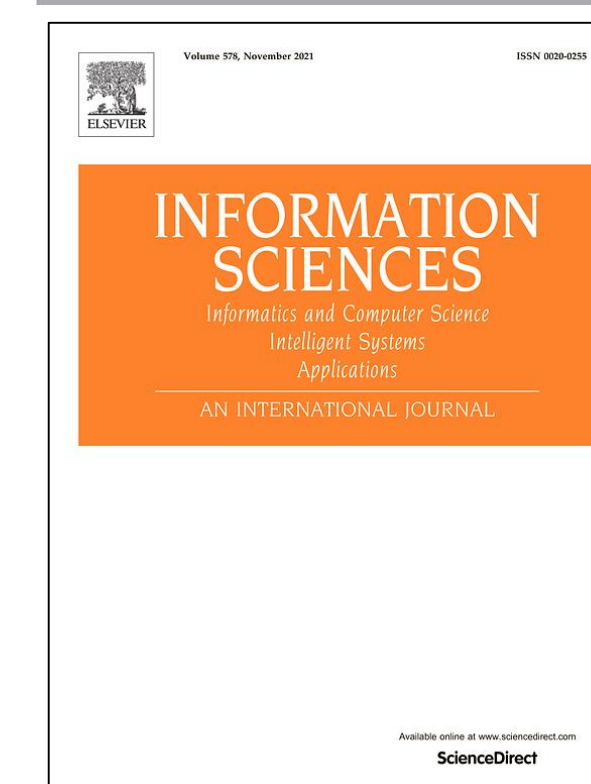
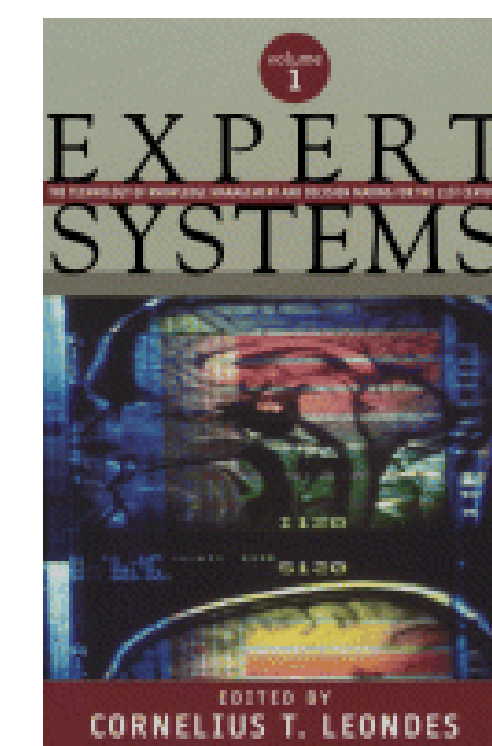
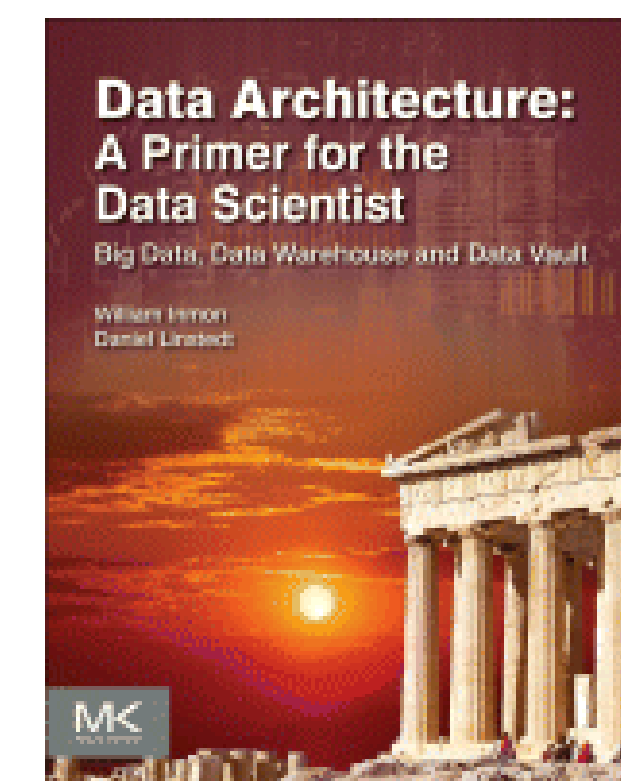
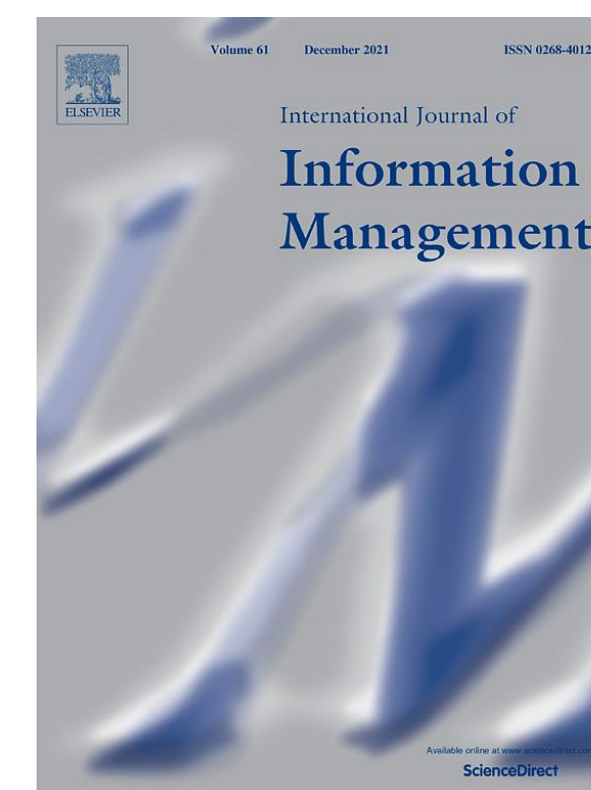


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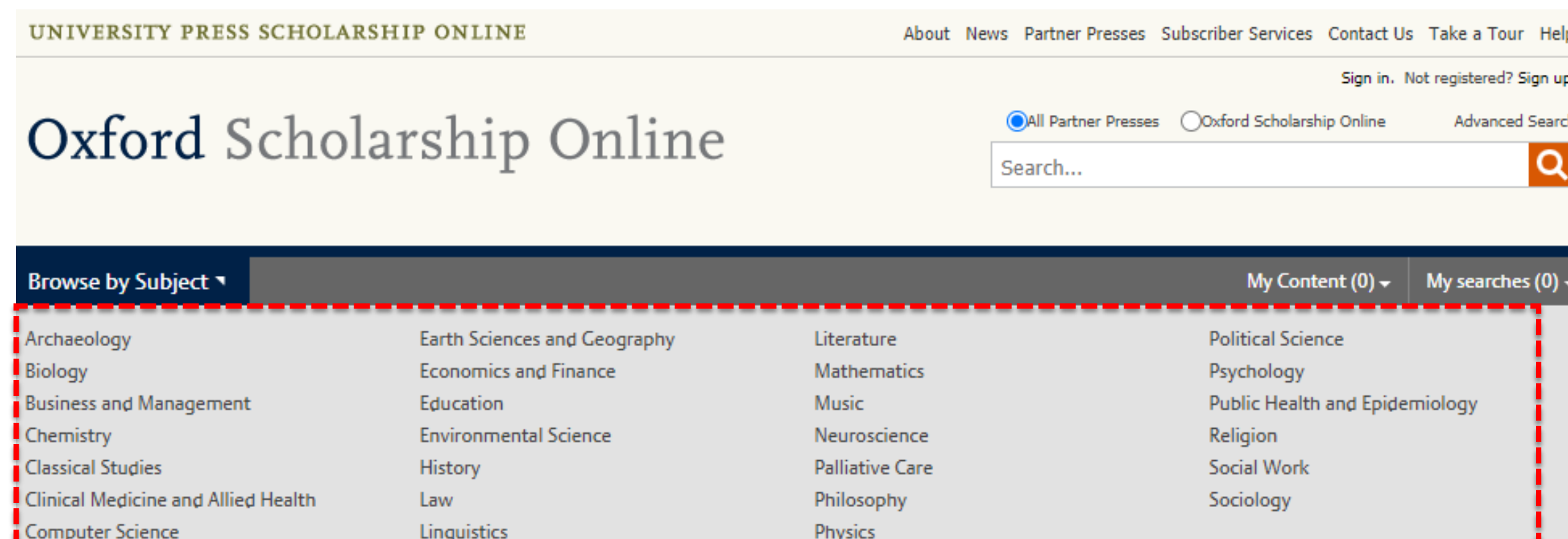
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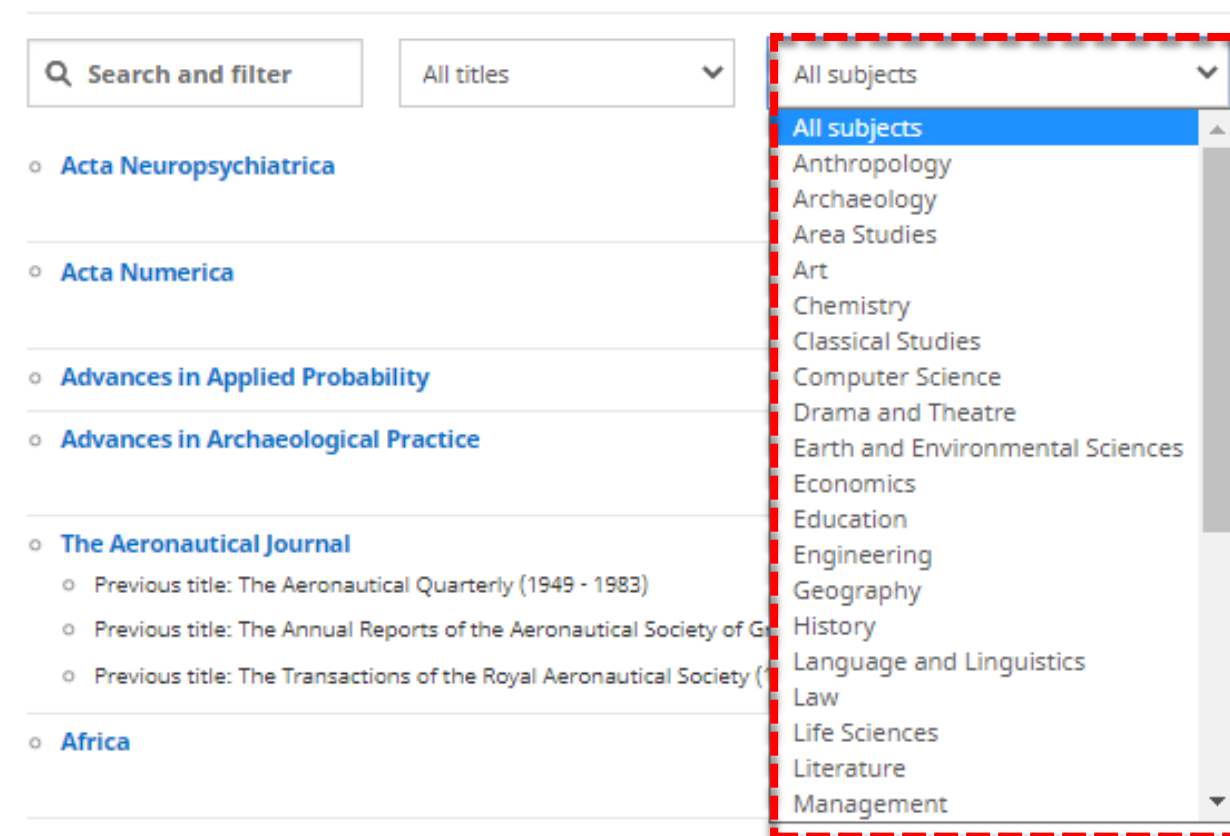
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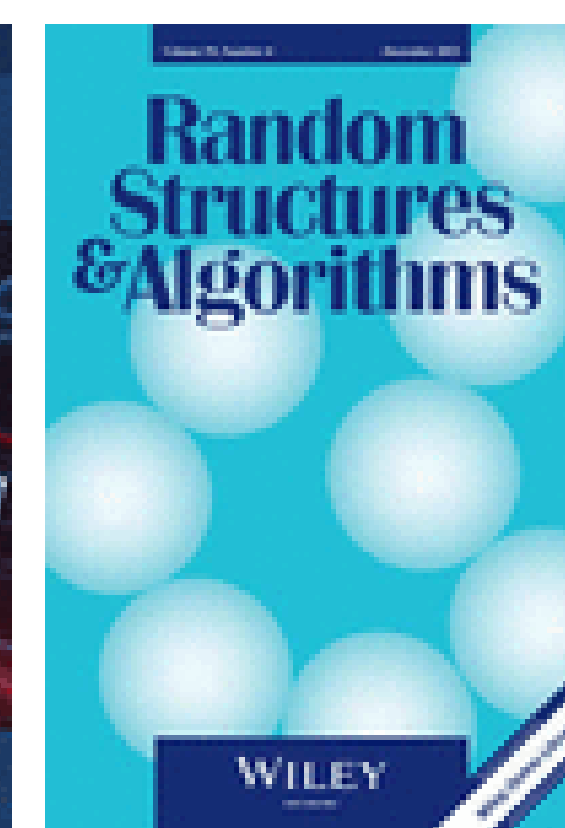
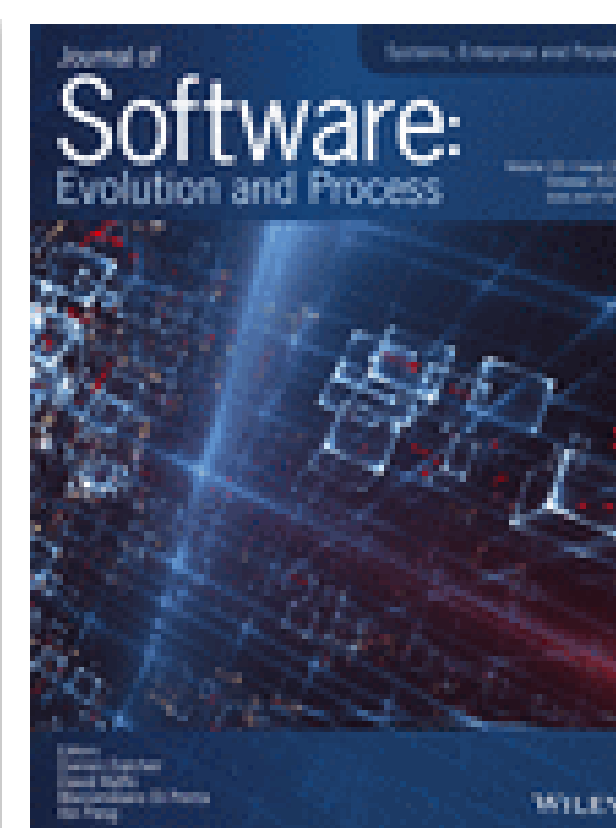
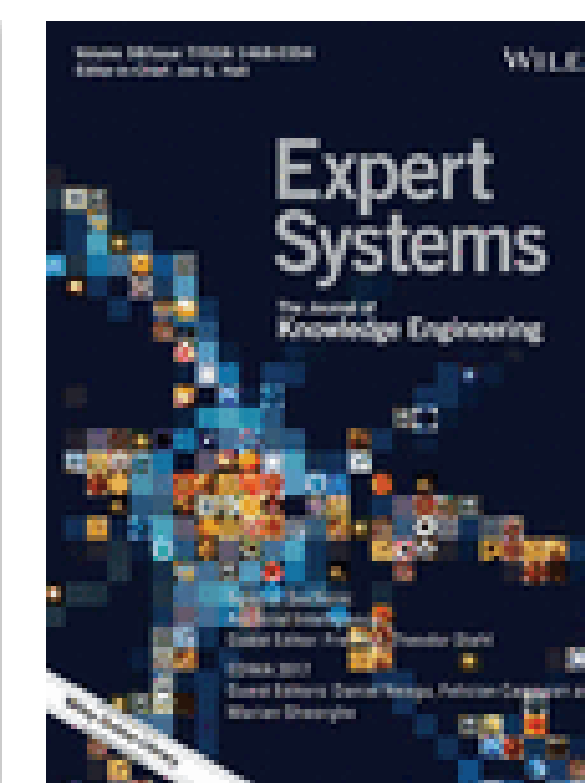
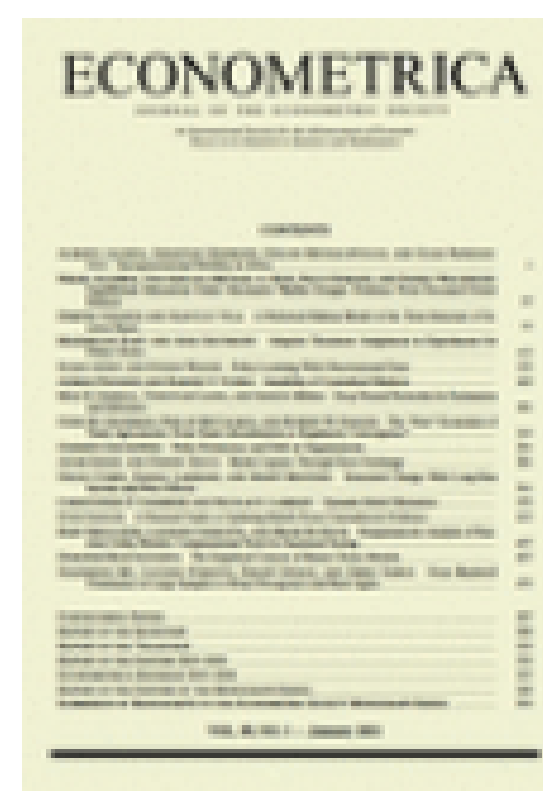
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Supply chain quality management for product innovation performance: insights from small and medium-sized manufacturing enterprises

Voon-Hsien Lee and Pik-Yin Foo
Faculty of Business and Finance, Universiti Tunku Abdul Rahman, Kampar, Malaysia
Garry Wei-Han Tan
UCSI Graduate Business School, UCSI University, Kuala Lumpur, Malaysia and School of Finance and Economics, Nanchang Institute of Technology, Nan Chang, China
Keng-Boon Ooi
UCSI Graduate Business School, UCSI University, Kuala Lumpur, Malaysia and College of Management, Chang Jung Christian University, Taiwan, Taiwan, and Amrik Sohal
Faculty of Business and Economics, Monash University, Caulfield East VIC, Australia

Abstract
Purpose – This research aims to examine the relationships between supply chain quality management (SCQM), organizational learning capability (OLC) and product innovation performance (PIP) among small and medium-sized manufacturing enterprises (SMEs) in Malaysia.
Design/methodology/approach – This is a quantitative study in which 163 valid responses were empirically collected from SMEs in Malaysia via self-administered structured questionnaires.
Findings – Performing a partial least squares-structural equation modelling analysis, the findings revealed that the relationships between SCQM, OLC and PIP are positive and significant. Moreover, OLC partially mediates the relationship between SCQM and product innovation. Serving as a practical guideline, the results of this study stress the fact that managers of SMEs need to look into the role-specific context of the firm before determining which practices would be effective for their companies.
Originality/value – The value-added additional testing of the mediating effect of OLC is the highlight of this study. This research represents another leap towards redefining and advancing SCQM, especially for SMEs in the Asian context.
Keywords Supply chain, Quality management, Organizational learning, Innovation performance, Small and medium enterprises, Malaysia
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1. Introduction
Organizations are faced with a multitude of challenges as they strive to maintain and improve their competitive position in today's globalized economy. To stay competitive, managers must first recognize the indispensable role played by supply chain quality management (SCQM) practices in collaboration with supply chain (SC) partners to improve the performance of individual entities and the end-to-end SC (Shibin *et al.*, 2018). While supply chain management (SCM) practices result in operational benefits (Zhang *et al.*, 2019) such as decreased production lead-time, reduced costs, faster product development time and increased quality (Chen *et al.*, 2020),



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CHAPTER 1

DETERMINANTS OF WOMEN EMPOWERMENT AS MEASURED BY DOMESTIC DECISION-MAKING: PERSPECTIVE FROM A DEVELOPING ECONOMY

Sudatta Banerjee, Swati Alok and Bincy George

ABSTRACT

The study finds the determinants of women empowerment measured in terms of domestic decision-making in a developing economy perspective by considering rural women in India. Women empowerment simply means giving opportunities to women to enable them to be socially and financially independent. Empowerment of women through investment in their education and health has a positive effect on economic growth. Almost 70% of Indian population lives in rural areas. If women in these areas are educated and empowered, they can contribute to the economic growth either directly or indirectly by improving health and education of the future generations. This study indicates that an employed woman, having her own income source, higher educational level, knowledge of legal rights, higher educational level of the mother of the woman, having property in her own name, more freedom of movement during her school days, having high self-esteem and belonging to a relatively affluent background, increases domestic making power of the women, and thus empowerment. Some possible policies are suggested for developing economies.

Keywords: Developing economy; domestic decision-making; women empowerment; education; legal/political rights; self-esteem

JEL classifications: C3; C8; D1; O1; O12

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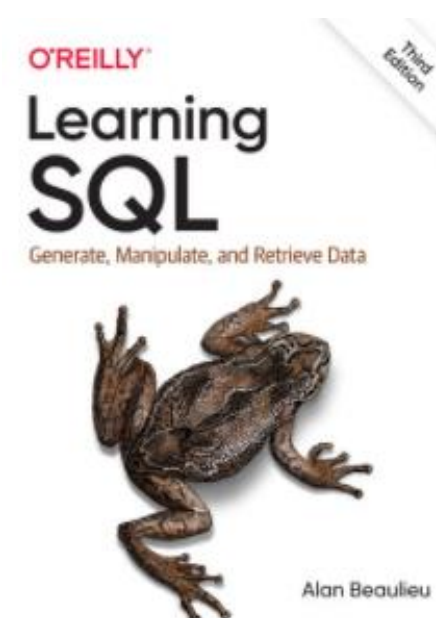
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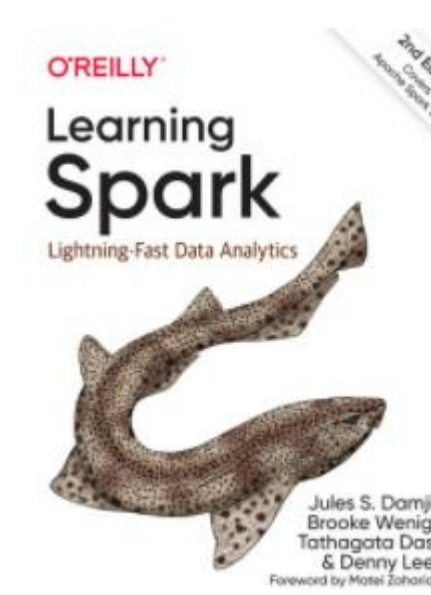
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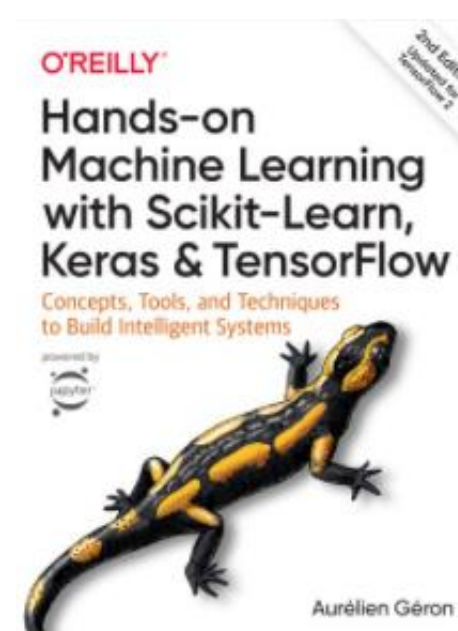
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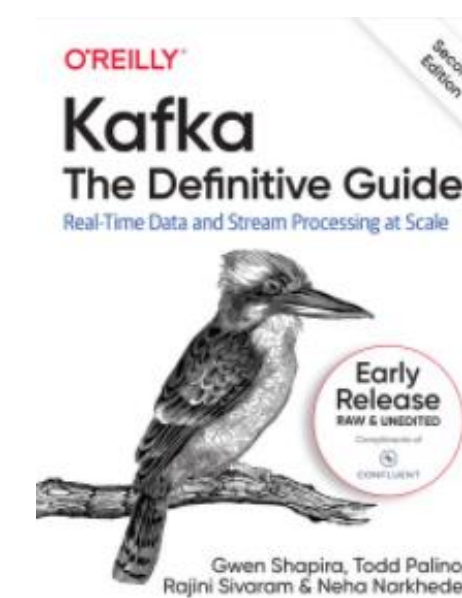
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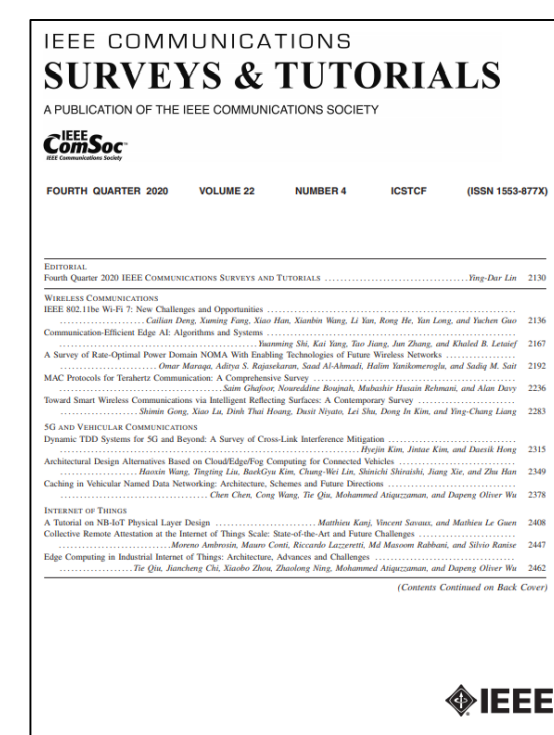
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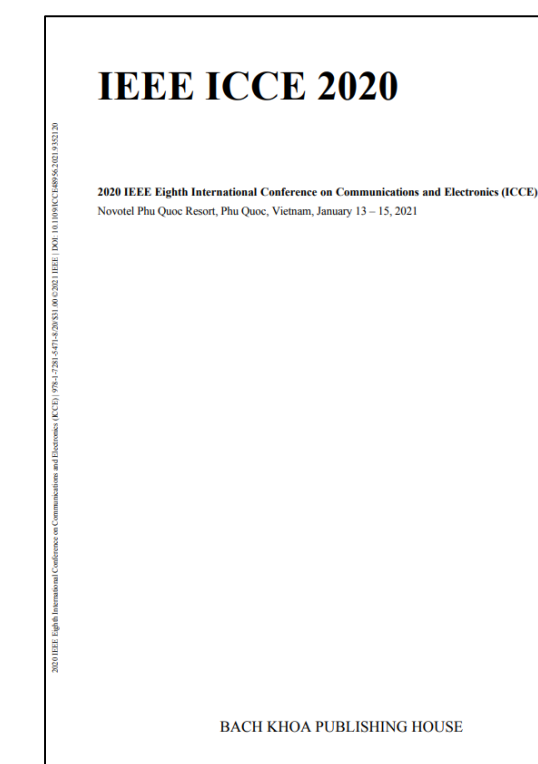


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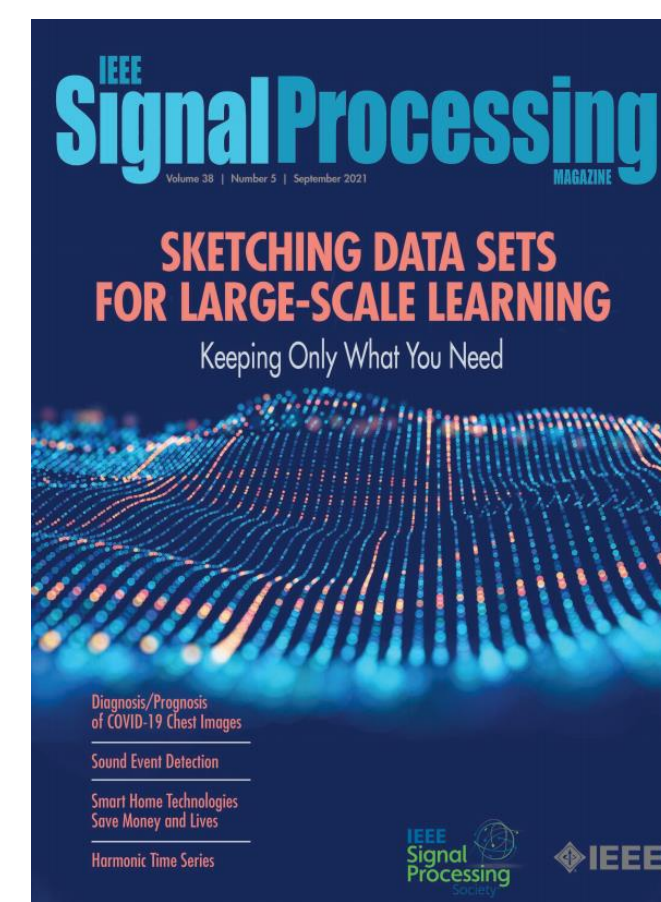
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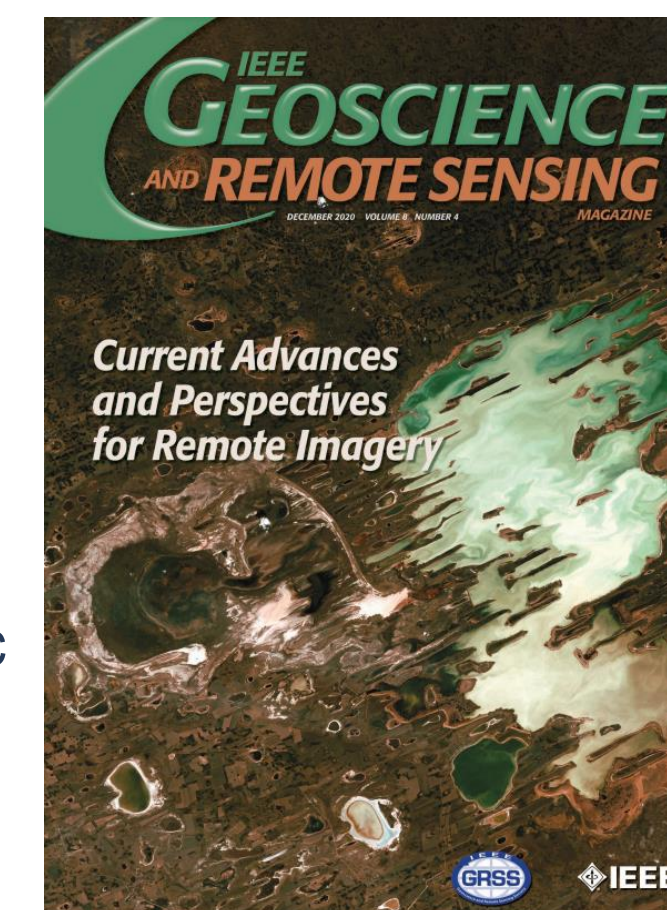


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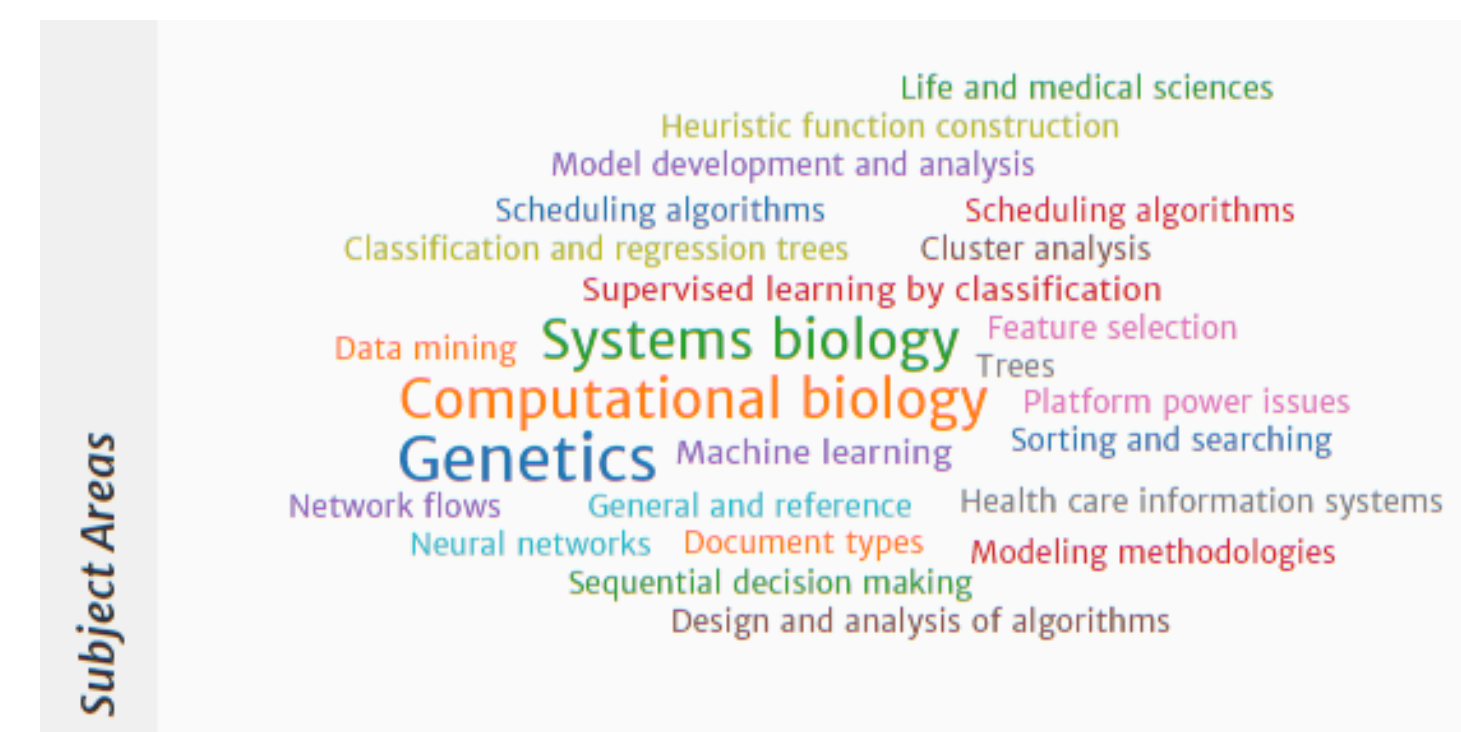
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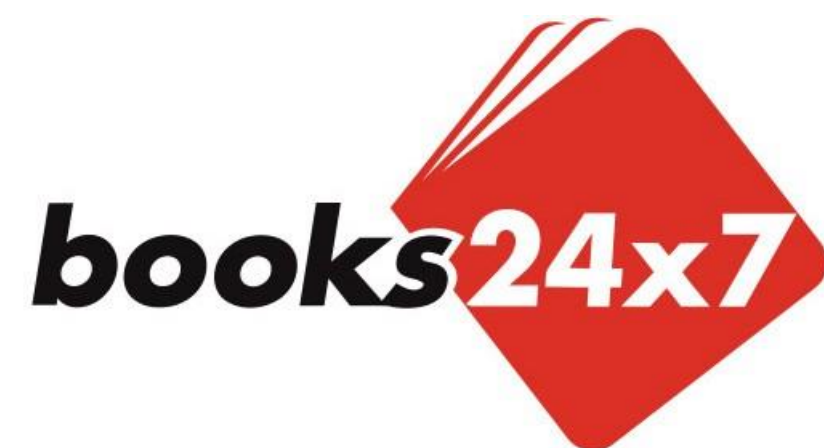
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Statistical Analysis of 5G Channel Propagation using MIMO and Massive MIMO Technologies

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Abstract—Multiple Input Multiple Output (MIMO) and massive MIMO technologies play a significant role in mitigating five generation (5G) channel propagation impairments. These impairments increase as frequency increases, and they become worse at millimeter-waves (mmWaves). They include difficulties of material penetration, Line-of-Sight (LoS) inflexibility, small cell coverage, weather circumstances, etc. This paper simulates the 5G channel at the E-band frequency using the Monte Carlo approach-based NYUSIM tool. The urban microcell (UMi) is the communication environment of this simulation. Both MIMO and massive MIMO use uniformly spaced rectangular antenna arrays (URA). This study investigates the effects of MIMO and massive MIMO on LoS and Non-LoS (NLoS) environments. The simulations considered directional and omnidirectional antennas, the Power Delay Profile (PDP), Root Mean Square (RMS) delay spread, and small-scale PDP for both LoS and NLoS environments. As expected, the wide variety of the results showed that the massive MIMO antennas outperforms the MIMO antennas, especially in terms of the signal power received at the end-user and for longer path lengths.

Keywords:MIMO; massive MIMO; millimeter-waves; channel propagation; path loss exponent; RMS delay spread; received power

I. INTRODUCTION

Massive Multiple Input Multiple Output (MIMO) and Millimeter-waves (mmWaves) are two key technologies of 5G wireless systems that deliver high data rates, support multiple users, and provide very low latency. The use of mmWaves for the 5G systems is still in the experimental stage. Classically, the mmWaves belong to the frequency spectrum from 30 to 300GHz [1]. Some frequency bands of the first part of this frequency spectrum, up to 100GHz (as well as the traditional wireless mobile generation bands) are dedicated to the 5G system because they offer a huge amount of unutilized or under-utilized spectrum frequencies, compared to the lower bands. The E-band (71-76 and 81-86GHz) [2, 3] can be represented by 73GHz and it is one of the main frequencies allocated to 5G systems. It is well recognized that the spectral bandwidth is directly proportional to the amount of transmitted data rate. However, using the mmWaves for mobile communication exposes several propagation challenges, e.g. signal attenuation, coverage area limitations, and, most notably, high penetration losses. Due to the higher frequency of mmWaves, Free space loss is much higher especially when an isotropic antenna is used, and many materials cause very high absorption loss, while diffraction is less noticeable. Consequently, mmWave signal goes under high blockage, and most of the time propagation tends to be Line-of-Sight (LoS)-based [4]. To mitigate mmWave disadvantages, several technologies have been introduced, such as small cell coverage, beamforming, MIMO and massive MIMO antennas, etc. Massive MIMO-OFDM has been considered as one of the most desired technologies for broadband wireless systems and is worldwide recognized as the 5G wireless communication basis. It is more flexible and adaptable to stay active, especially if developed for a high number of antennas or massive MIMO [1, 3].

This paper will discuss the 73GHz channel and signal propagation using MIMO and massive MIMO technologies in urban microcell area. In [5], the 73GHz frequency band proved to be power-efficient and robust against atmospheric variations. Both omnidirectional and directional channel models were used due to the fact that they are widely adopted by the industry and researchers for proper designing of wireless systems and antenna arrays in supporting massive MIMO systems by employing spatial diversity and/or beamforming gain respectively [6, 7]. For this purpose, the Monte Carlo approach-based NYUSIM simulator (NYUSIM v3.0) was utilized to apply MIMO-Orthogonal Frequency-Division Multiplexing (OFDM) and massive MIMO technologies and generate Channel Impulse Responses (CIRs) from both omnidirectional and directional channel models at 73GHz [8-10]. This simulator can be also used in the THz band [11].

II. MIMO AND MASSIVE MIMO TECHNOLOGIES

Generally, three methods can be planned to improve the wireless network efficiency, namely deploying extreme access points, using wide frequency spectrum, and increasing the spectral efficiency. The foreseen wireless systems will utilize small base station coverage and thus will require by default many access points to cover all considered areas. Also, new spectral bands will be exploited to support the efficiency of the wireless network. However, the spectral efficiency always

Corresponding author: Zaid A Shamsan

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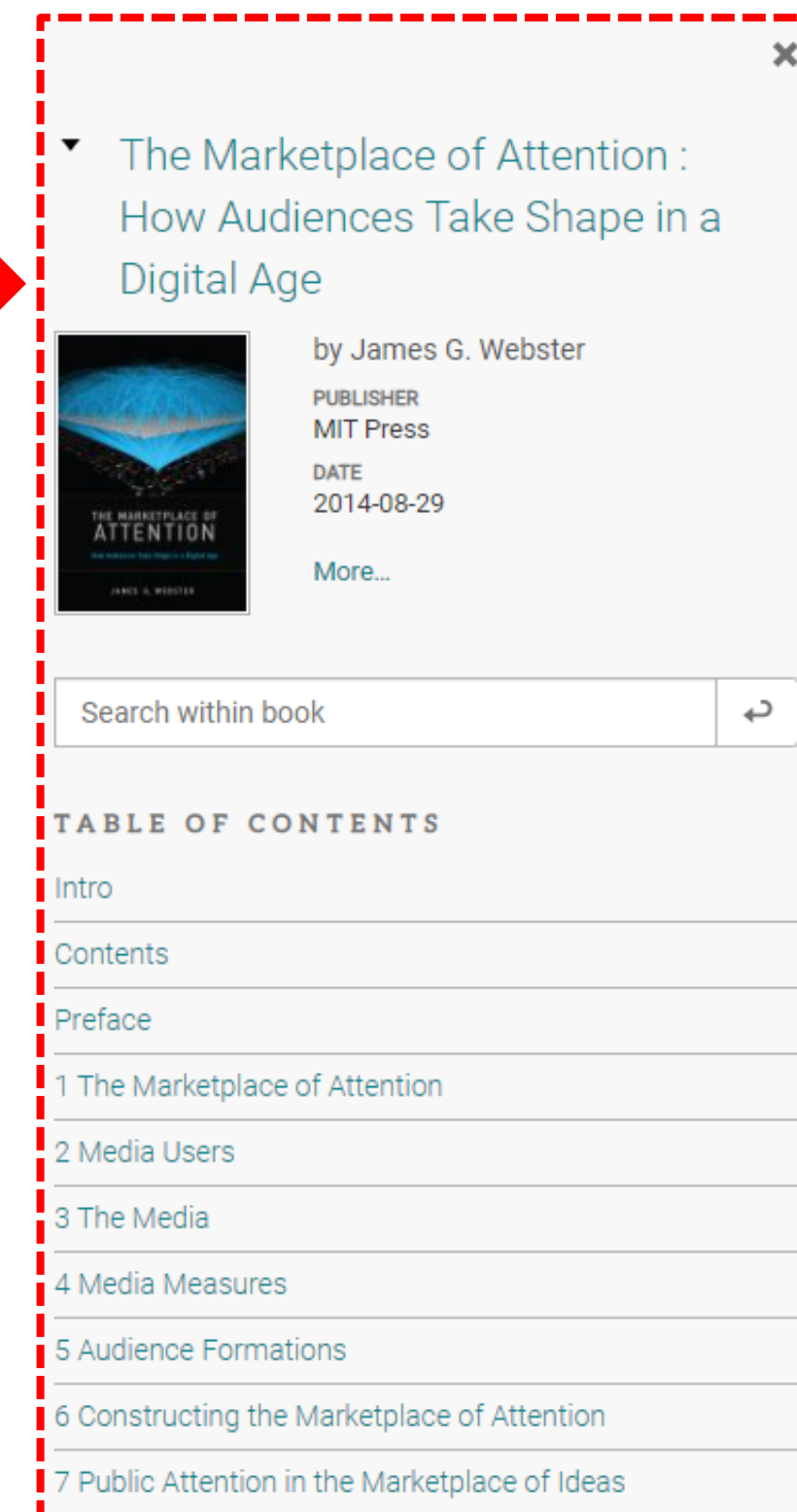
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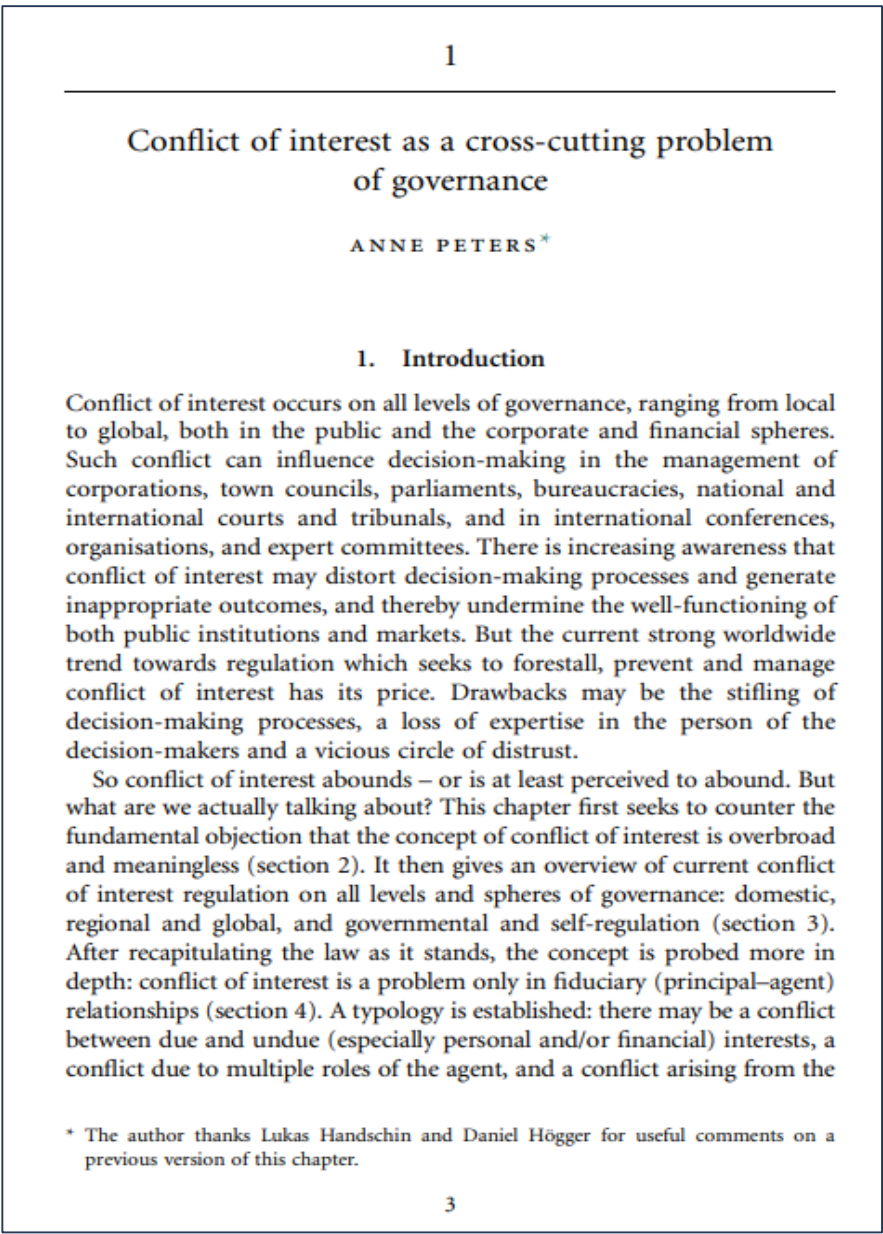
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By

CHEN SHEN

A Dissertation submitted to the Department of Statistics in partial fulfillment of the requirements for the degree of Doctor of Philosophy

2021

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- 1.1.2: Lexemes
- 1.1.3: Morphemes
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1.1 Words and Their Components

Words are defined in most languages as the smallest linguistic units that can form a complete utterance by themselves. The minimal parts of words that deliver aspects of meaning to them are called morphemes. Depending on the means of communication, morphemes are spelled out via graphemes—symbols of writing such as letters or characters—or are realized through phonemes, the distinctive units of sound in spoken language.^[1] It is not always easy to decide and agree on the precise boundaries discriminating words from morphemes and from phrases [1, 2].

1.1.1 Tokens

Suppose, for a moment, that words in English are delimited only by whitespace and punctuation [3], and consider Example 1-1:

Example 1-1

Will you read the newspaper? Will you read it? I won't read it.

If we confront our assumption with insights from etymology and syntax, we notice two words here: *newspaper* and *won't*. Being a compound word, *newspaper* has an interesting derivational structure. We might wish to describe it in more detail, once there is a lexicon or some other linguistic evidence on which to build the possible hypotheses about the origins of the word. In writing, *newspaper* and the associated concept is distinguished from the isolated *news* and *paper*. In speech, however, the distinction is far from clear, and identification of words becomes an issue of its own.

For reasons of generality, linguists prefer to analyze *won't* as two syntactic words, or tokens, each of which has its independent role and can be reverted to its normalized form. The structure of *won't* could be parsed as *will* followed by *not*. In English, this kind of **tokenization** and **normalization** may apply to just a limited set of cases, but in other languages, these phenomena have to be treated in a less trivial manner.

In Arabic or Hebrew [4], certain tokens are concatenated in writing with the preceding or the following ones, possibly changing their forms as well. The underlying lexical or syntactic units are thereby blurred into one compact string of letters and no longer appear as distinct words. Tokens behaving in this way can be found in various languages and are often called clitics.

In the writing systems of Chinese, Japanese [5], and Thai, whitespace is not used to separate words. The units that are delimited graphically in some way are sentences or clauses. In Korean, character strings are called *ejjeol* 'word segment' and roughly correspond to speech or cognitive units, which are usually larger than words and smaller than clauses [6], as shown in Example 1-2:

Example 1-2

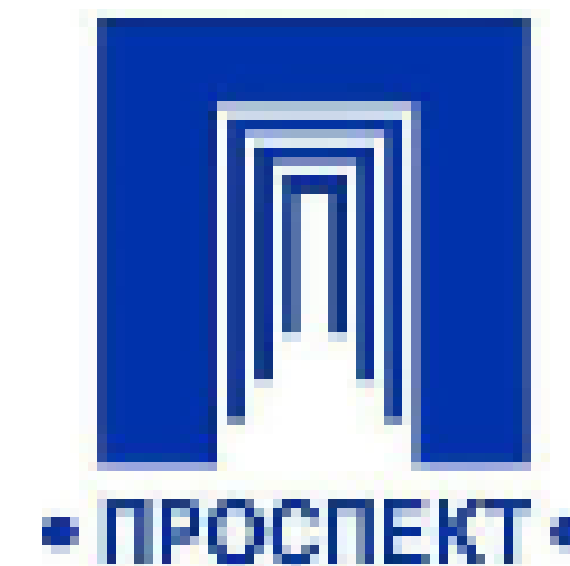
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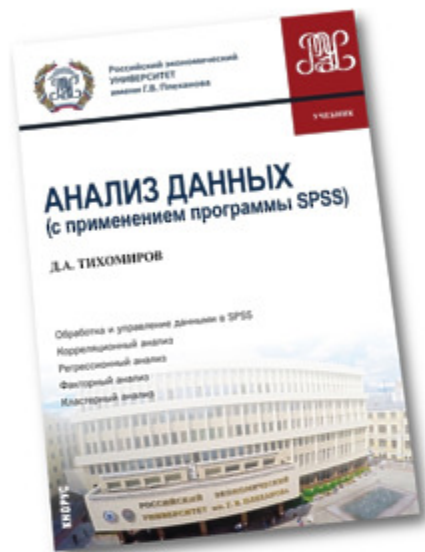
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Рассматриваются основные методы статистического анализа данных в программе SPSS. Доступным языком объясняются суть каждого метода, условия его реализации, ограничения при обработке как количественных, так и категориальных данных. На конкретных примерах показывается пошаговое выполнение необходимых команд, содержательно интерпретируются полученные результаты. Соответствует ФГОС ВО последнего поколения. Для студентов бакалавриата и всех интересующихся вопросами анализа данных в социологии, политологии, психологии, маркетинге, медицине.

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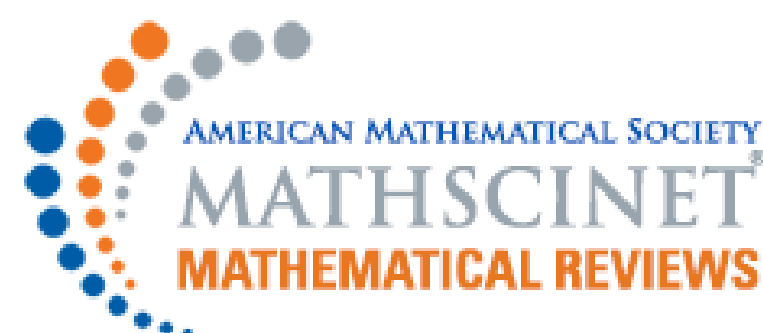
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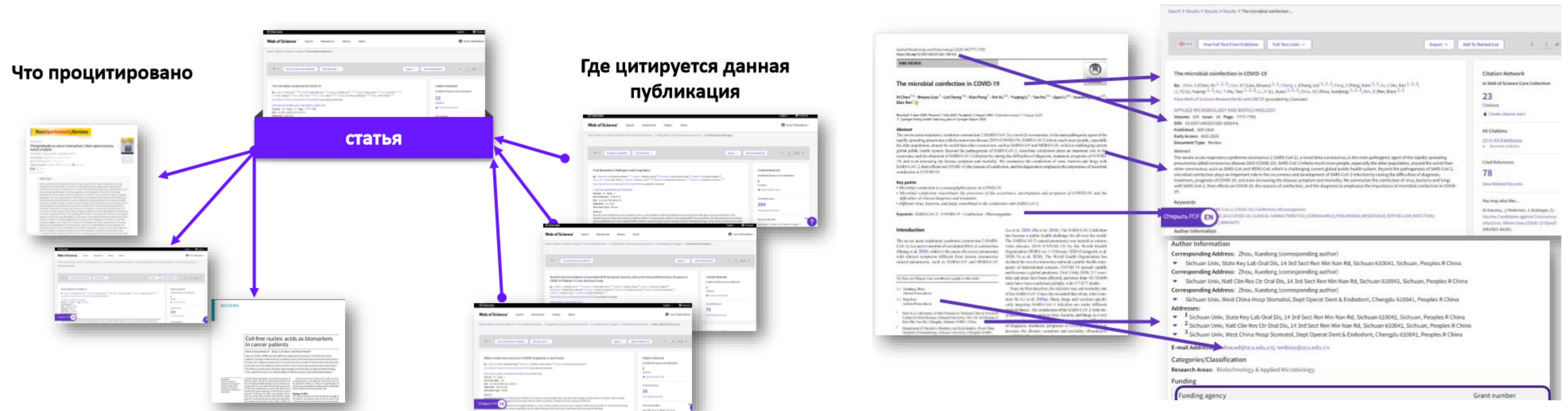


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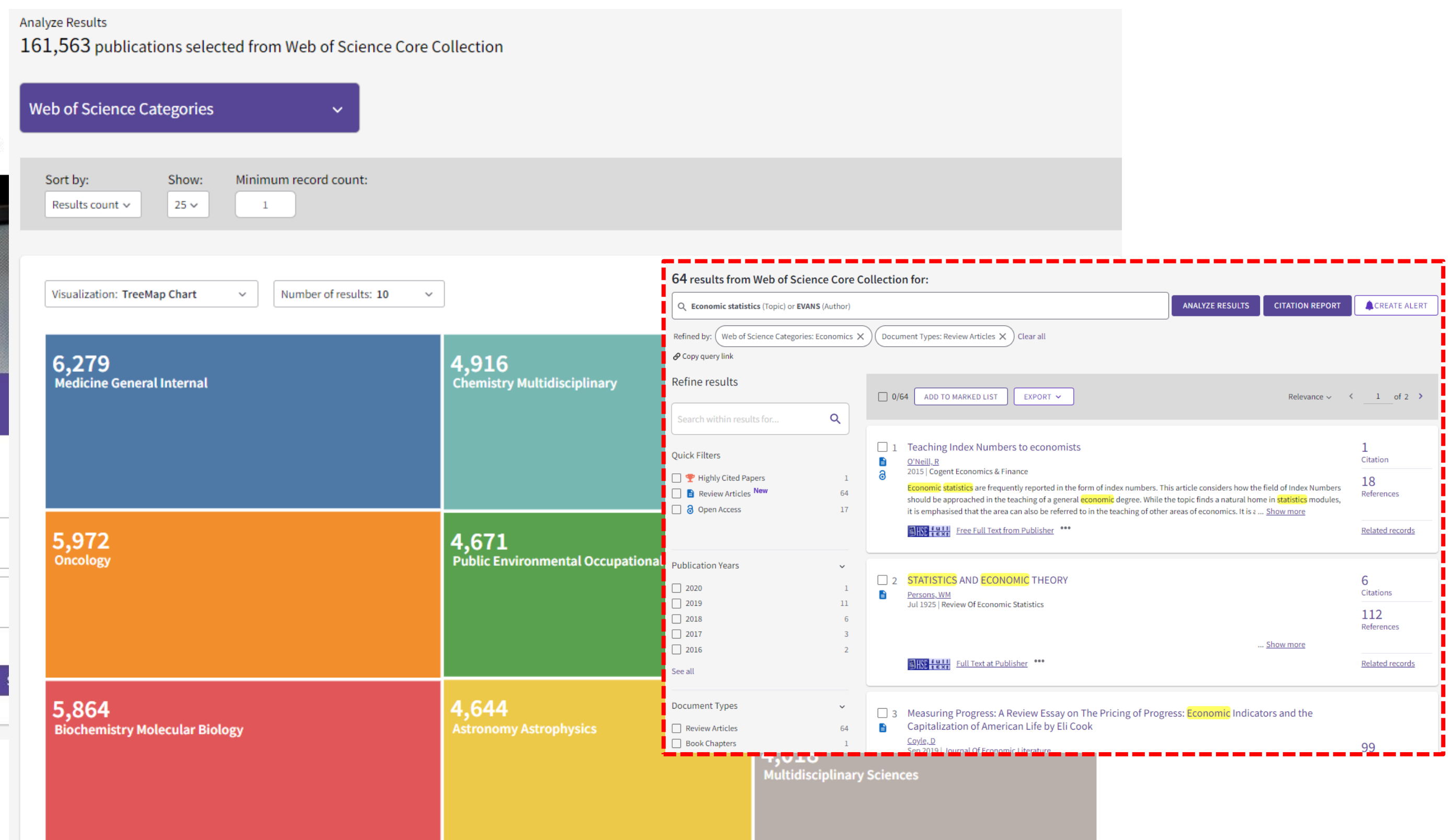
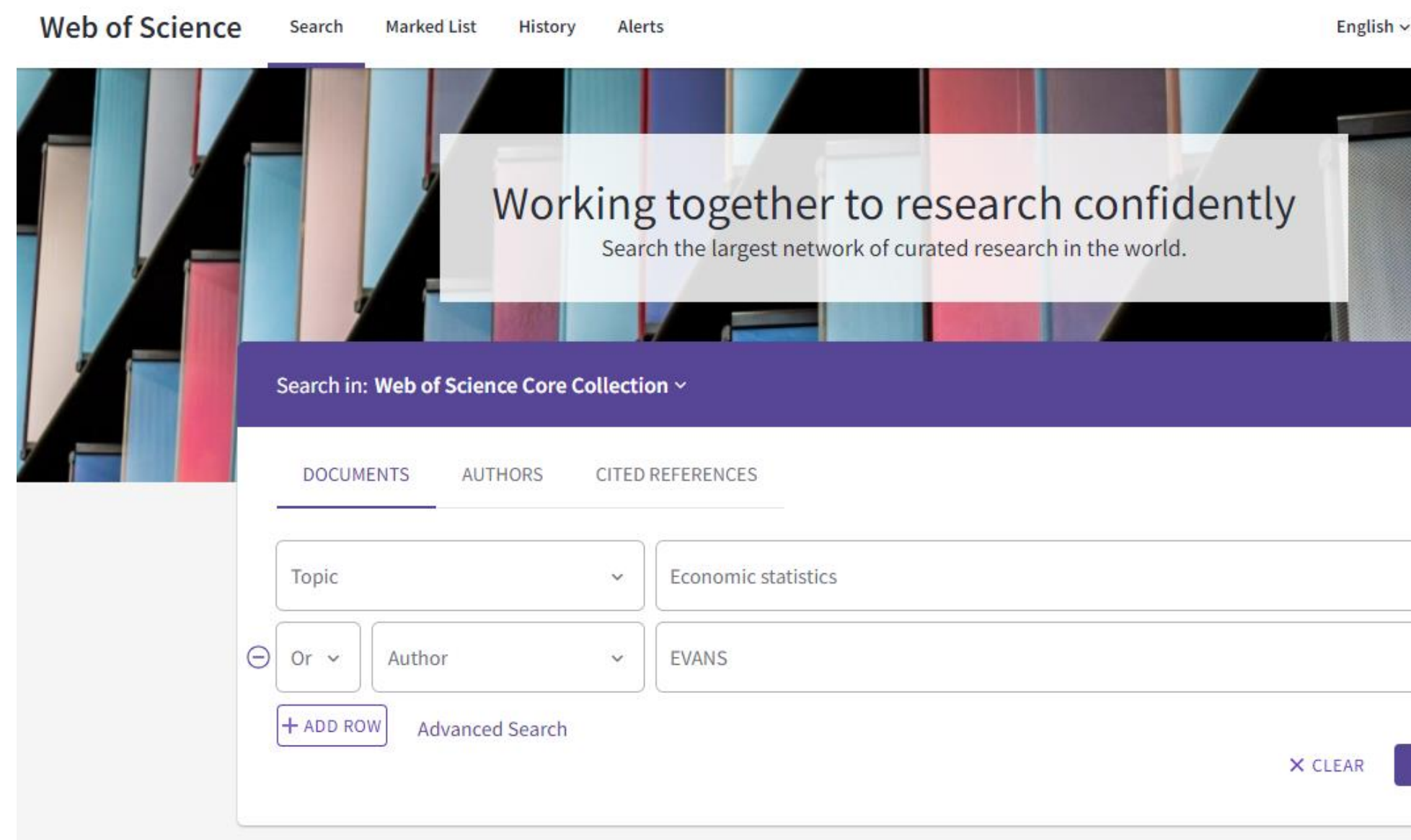
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2020 JCR Ranking: 3/556 Economics
Category

JIF Quartile – Q1



American Economic Journal: Microeconomics

American Economic Association

IF 1.872

2020 JCR Ranking: 196/556 Economics
Category

JIF Quartile – Q3

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Документы ↓

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Arts and Humanities	6178
Business, Management and Accounting	6085

Название документа	Авторы	Год	Источник
<input type="checkbox"/> 1 An analysis of the effect of human capital investment on economic development in nigeria: Does a new indicator alter existing evidence? <i>Открытый доступ</i>	Ogundipe, A.A., Mobolaji, O., Ogundipe, O.M.	2021	Asian Economic and Financial Review 11(1), с. 17-29
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Asian Economic and Financial Review

ISSN(e): 2222-6737
ISSN(p): 2202-2147
DOI: 10.18488/ajefr.2021.11.1.17.29
Vol. 11, No. 1, 17-29.
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AN ANALYSIS OF THE EFFECT OF HUMAN CAPITAL INVESTMENT ON ECONOMIC DEVELOPMENT IN NIGERIA: DOES A NEW INDICATOR ALTER EXISTING EVIDENCE?

Adeyemi A. Ogundipe^{1*}
Olasinde Mobolaji¹
Oluwatomisin M. Ogundipe¹

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(+ Corresponding author)

Article History
Received: 10 April 2020
Revised: 2 November 2020
Accepted: 16 December 2020
Published: 30 December 2020

Keywords
Human capital investment
Economic development
GDP per capita
Energy access
Co-integration
Time Series.

JEL Classification
J24; O10; E22; D31.

This study adopted a broader perspective of economic development using access to clean, affordable and reliable energy services over GDP per capita, which was used in existing studies. To investigate whether the new measure alters existing evidence, the study employed the Johansen cointegration technique. The model follows the specification of the AK model and augmented Rostow's stages of growth to account for the adoption of development indicators. The empirical result using energy access as a measure of economic development differs significantly and seems to portray the realities in the Nigerian economy. Compared with earlier studies, this reassessment shows that indicators of human capital investment do not significantly impact economic development in Nigeria. It is clear that the growth experienced in recent decades occurred independent of human capital capability of the economy, in fact, recent statistics from the Global Competitiveness Index 2018 show that in terms of competitiveness in education quality and on-the-job training, the Sub-Saharan Africa (SSA) regions underperformed when compared with other regions of the world.

Contribution/Originality: The study documents the relevance of human capital investment on economic development in Nigeria. The unique contribution lies in the indicators of economic development adopted. An inclusive measure of economic development was used, and the empirical evidence differs from previous studies using GDP per capita as a measure of economic development.

1. INTRODUCTION

The relationship between human capital and economic development goes as far back as the 1930s when Alfred Marshall asserted in his book, Principles of Economics, that investment in people makes human capital the most valuable of all capitals and stimulates economic development. Many other authors have stressed the importance of the relationship between human capital, or investment in human capital, and economic growth, and have formulated various models to explain this theory. The endogenous growth model, which was an improvement on the Harrod-Domar and Solow growth models, explains that investment in human capital, innovation and knowledge would unquestionably contribute to economic growth.

Other researchers such as Oluwatobi and Ogunrinola (2011), Matthew (2011), Akintunde and Satope (2013), Oladeji (2015), and Jaiyeoba (2015) who have also looked at human capital investment or human capital

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ЭЛЕКТРОННЫЕ РЕСУРСЫ БИБЛИОТЕКИ НИУ ВШЭ

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1.

Biden is slammed for taking ZERO questions on COVID, schools, tax hikes or Russia at first press conference: Lindsey Graham says 'misi...

Mail Online 10:49, 26 March 2021, 3660 words, (English)

2.

Russian Press Review - TASS World Service

World Service Wire 10:02, 26 March 2021, 1723 words, (English)

3.

Covid-19 Vaccines: Turkey begins talks to procure Sputnik V - health minister

BBC Monitoring Europe 11:18, 26 March 2021, 259 words, (English)

4.

Russia's vaccine matters to the World

Peoples Daily 26 March 2021, 1678 words, (English)

5.

BBCM Russia Watchlist for 26 March

BBC Monitoring Former Soviet Union 9:19, 26 March 2021, 1073 words, (English)

6.

Russia's Second Vaccine Shows 100% Immune Response in Early Trials, Data Show

Dow Jones Newswires Chinese (English) 8:30, 26 March 2021, 284 words, (English)

7.

Europe plans to become world's biggest vaccine producer by summer - Macron

World Service Wire 4:57, 26 March 2021, 288 words, (English)

8.

Biden intervenes at European summit as a symbol of reconciliation after Trump era

CE NoticiasFinancieras 26 March 2021, 699 words, (English)

9.

EU leaders worry about the impact of possible export restrictions on vaccine production*** TRANSLATED ***

STT 26 March 2021, 957 words, (English)

10.

Russian FM calls to maintain peace on the peninsula, abandon arms race

The Korea Herald 26 March 2021, 538 words, (English)

11.

Coronavirus in Russia: The Latest News | March 26

Поисковый запрос

Источники

DOW JONES

MailOnline

News

Biden is slammed for taking ZERO questions on COVID, schools, tax hikes or Russia at first press conference: Lindsey Graham says 'misinformation' on border crisis was 'hard to watch'

Keith Griffith Emily Goodin, Senior U.S. Political ReporterKatelyn Caralle, U.S. Political Reporter For Dailymail.com

3,660 words

26 March 2021

10:49

Mail Online

DAMONL

English

Copyright 2021

* Biden gave his first press conference as president at the White House Thursday

* Took questions from just 10 reporters and left many subjects unaddressed

* Questions focused heavily on border crisis, leaving little time for other topics

* Biden did not face questions about reopening schools or \$3T infrastructure plan

* Fox News reporter Peter Doocy called out Biden for not picking him at presser

* 'I had a binder full of questions,' said Doocy as he lamented not being called

* Lindsey Graham blasted Biden's lack of 'situational awareness' on the border

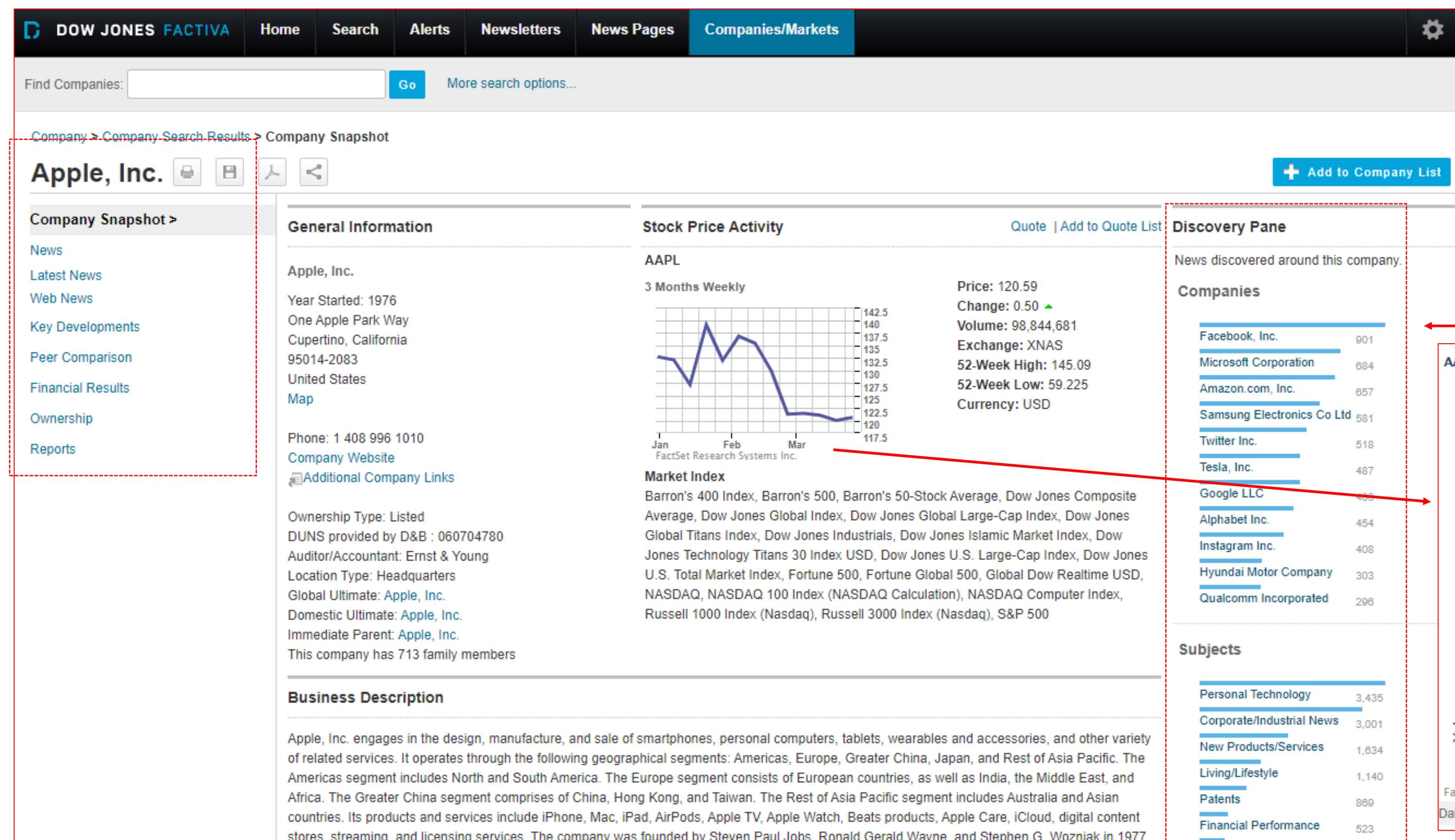
President Joe Biden and the White House press corps are facing criticism after his first press conference in office did not include questions about key topics such as the pandemic, reopening schools, potential tax increases, or Russia.

At the one-hour press conference on Thursday, Biden called on just 10 reporters to ask questions, and many of them focused on the migrant crisis at the southern border, leaving little time for other subjects.

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Поисковый запрос

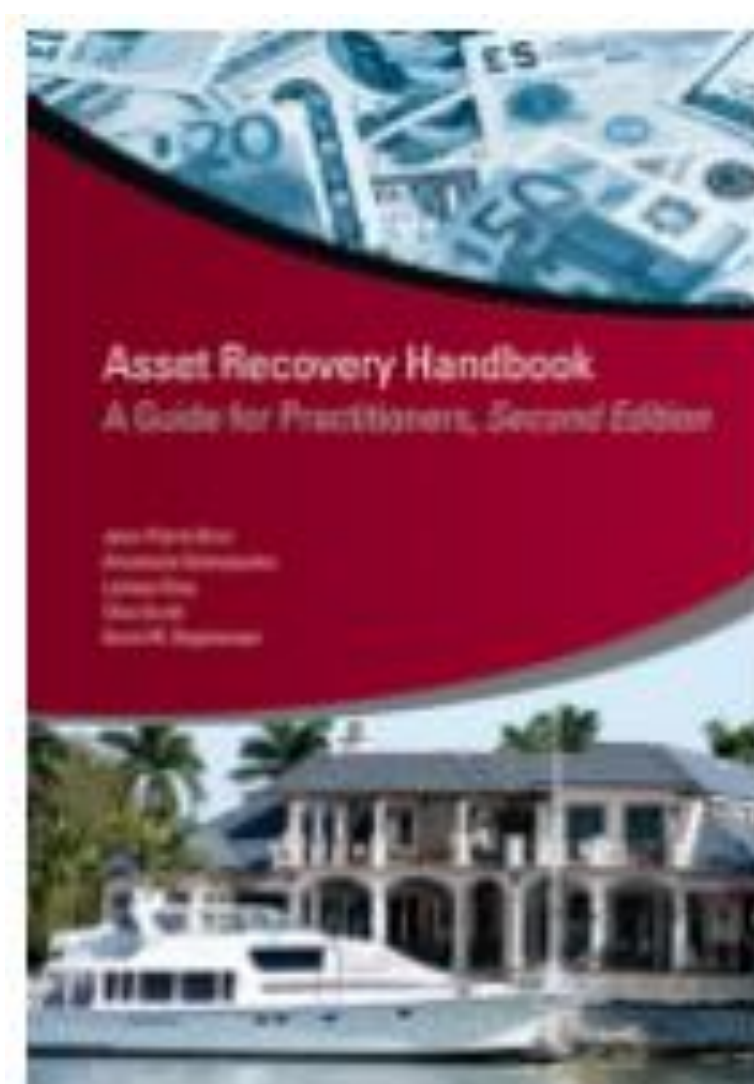


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☐ 1965

☐ 1964

☐ 1963

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Russian Federation

	2000	2005	2006	2007	2015
Population, total	146596869.0	143518814.0	143049637.0	142805114.0	144096870.0
Population growth (annual %)	-0.4	-0.4	-0.3	-0.2	0.2
Surface area (sq. km)	17098240.0	17098240.0	17098240.0	17098240.0	17098250.0
Poverty headcount ratio at national poverty lines (% of population)	29.0	17.8	15.2	13.3	13.3
GNI, Atlas method (current US\$)	250287006783.	638631920697.	830471202264.	107991967789.	172523422865.
GNI per capita, Atlas method (current US\$)	1710.0	4450.0	5810.0	7560.0	11780.0
GNI, PPP (current international \$)	974627421657.	165558578041.	207112154403.	232472023753.	342860996811.
GNI per capita, PPP (current international \$)	6650.0	11540.0	14480.0	16280.0	23420.0
Income share held by lowest 20%	6.4	5.8	5.9	5.8	6.9
Life expectancy at birth, total (years)	65.5	65.5	66.7	67.6	71.2
Fertility rate, total (births per woman)	1.2	1.3	1.3	1.4	1.8
Adolescent fertility rate (births per 1,000 women ages 15-19)	30.6	28.8	29.2	29.6	23.0
Contraceptive prevalence, any methods (% of women ages 15-49)	63.2	..
Births attended by skilled health staff (% of total)	99.2	99.4	99.5	99.6	..
Mortality rate, under-5 (per 1,000 live births)	19.3	13.8	12.8	11.9	8.2

Содержит статистические сведения по более чем 850-ти показателям мирового развития. Временные ряды представлены с 1960 г. для 209-ти стран. Охвачены экономические, социальные, финансовые показатели, а также данные по природным ресурсам и окружающей среде.

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Towards Improved and Comparable Productivity Statistics
A SET OF RECOMMENDATIONS FOR STATISTICAL POLICY

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Agricultural policy

Air and climate

Benefits and wages

Biodiversity

Broadband access

Conversion rates

Glossaries

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	> 11 Mar 2020	Glossary for Transport Statistics 2019 5th edition
	> 04 Oct 2010	Illustrated Glossary for Transport Statistics 4th Edition
	> 20 Oct 2008	Multilingual Dictionary of Fish and Fish Products
	> 01 Sep 2008	OECD Glossary of Statistical Terms
	> 11 Mar 2008	Corruption
	> 17 Nov 2006	OECD Economics Glossary
	> 06 Jan 2006	The Social Costs of Transport
	> 06 Jan 2006	Glossary for Transport Statistics 3rd Edition
	> 06 Jan 2006	Terminology on Combined Transport (English-French-German-Russian)
	> 14 Mar 2005	Private Pensions

A. Railway transport

A.I INFRASTRUCTURE

A.I-01 TRACK

A pair of rails over which rail borne vehicles can run maintained by an infrastructure manager. Metro, Tram and Light rail urban lines are excluded.
In the context of the EU reporting the cumulative length of railway tracks excludes also the following:

- Lines solely used for operating touristic trains and heritage trains;
- Lines constructed solely to serve mines, forests or other industrial or agricultural installations and which are not open to public traffic;
- Private lines closed to public traffic and functionally separated (i.e. stand-alone) networks;
- Private lines used for own freight transport activities or for non-commercial passenger services and light rail tracks occasionally used by heavy rail vehicles for connectivity or transit purposes.

A.I-01.1 MAIN/RUNNING TRACK

A track providing end-to-end line continuity designed for running trains between stations or places indicated in timetables, network statements, rosters or other indications/publications as independent points of departure or arrival for the conveyance of passengers or goods.

A.I-01.2 OTHER TRACKS

All other tracks than main/running ones:

- tracks maintained, but not operated by the infrastructure manager;
- tracks at service facilities not used for running trains, including sidings.

Tracks at service facilities not used for running trains are excluded. The boundary of the service facility is the point at which the railway vehicle leaving the service facility cannot pass without having an authorization to access the mainline or other similar line. This point is usually identified by a signal.
Service facilities are passenger stations, their buildings and other facilities; freight terminals; marshalling yards and train formation facilities, including shunting facilities; storage sidings; maintenance facilities; other technical facilities, including cleaning and washing facilities; maritime and inland port facilities which are linked to rail activities; relief facilities; refuelling facilities and supply of fuel in these facilities.

A.I-02 RAILWAY LINE

Line of transportation made up by rail exclusively for the use of railway vehicles and maintained for running trains.
A line is made up of one or more tracks, according to the definition A.I-01 Track and the corresponding exclusion criteria.
Excluded are:

- Stretches of road or water even if rolling stock is conveyed over such routes, e.g. by wagon-carrying trailers or ferries.

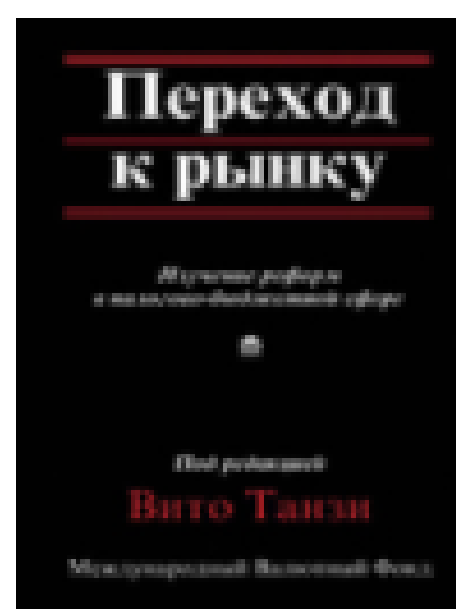
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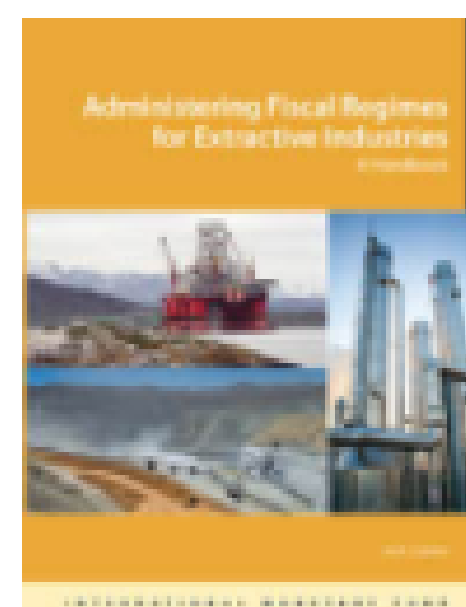
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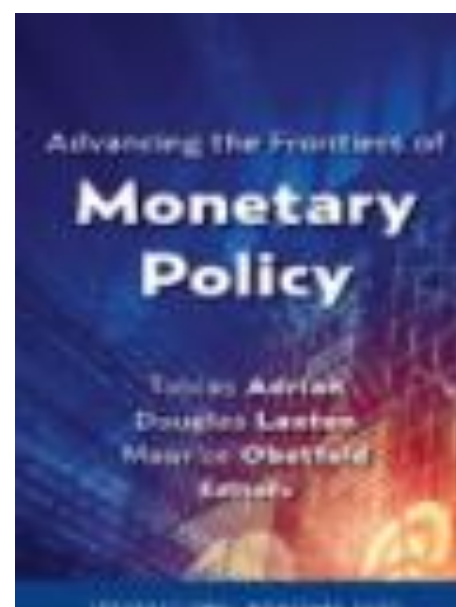
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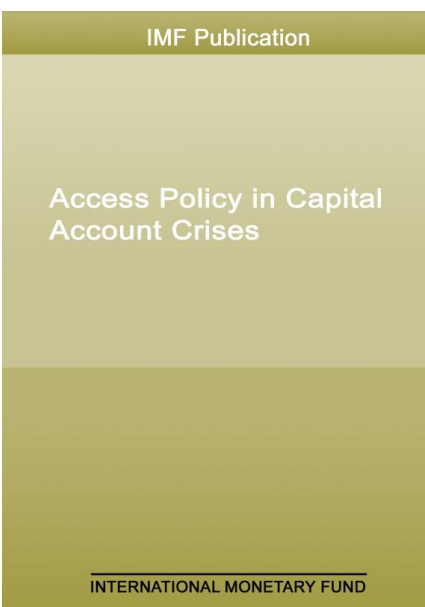
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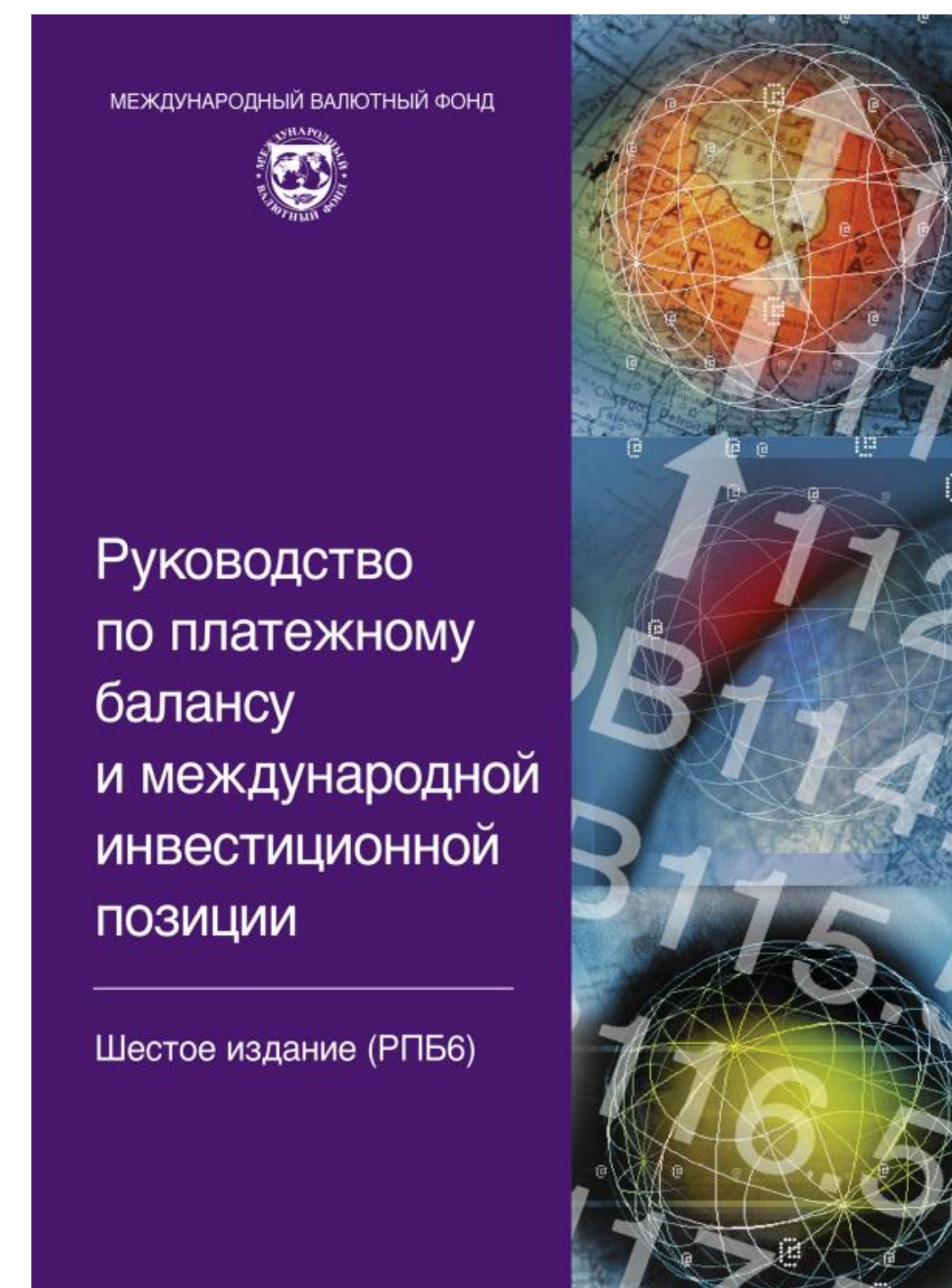
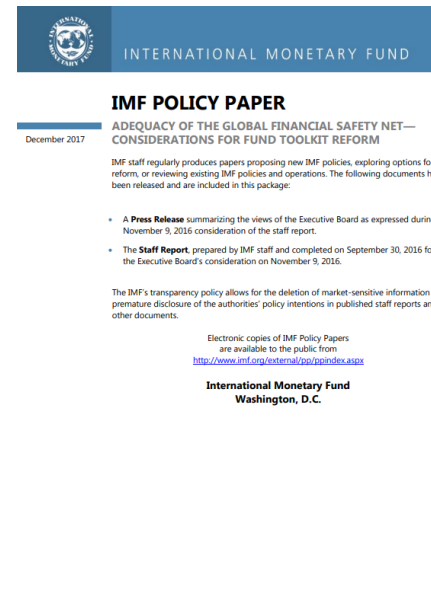
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Passport (Euromonitor)



Passport

APPLE INC IN CONSUMER ELECTRONICS (WORLD)

February 2019

SCOPE OF THE REPORT

Scope

- Apple (Apple Inc) is one of the most recognisable brands in the world.
- This reports examines the company's business, challenges and key competitors within consumer electronics.

Consumer Electronics

- Computers
 - Laptops
 - Tablets
- Portable Consumer Electronics
 - Smart Wearables
 - Smart phones
 - Wireless Speakers

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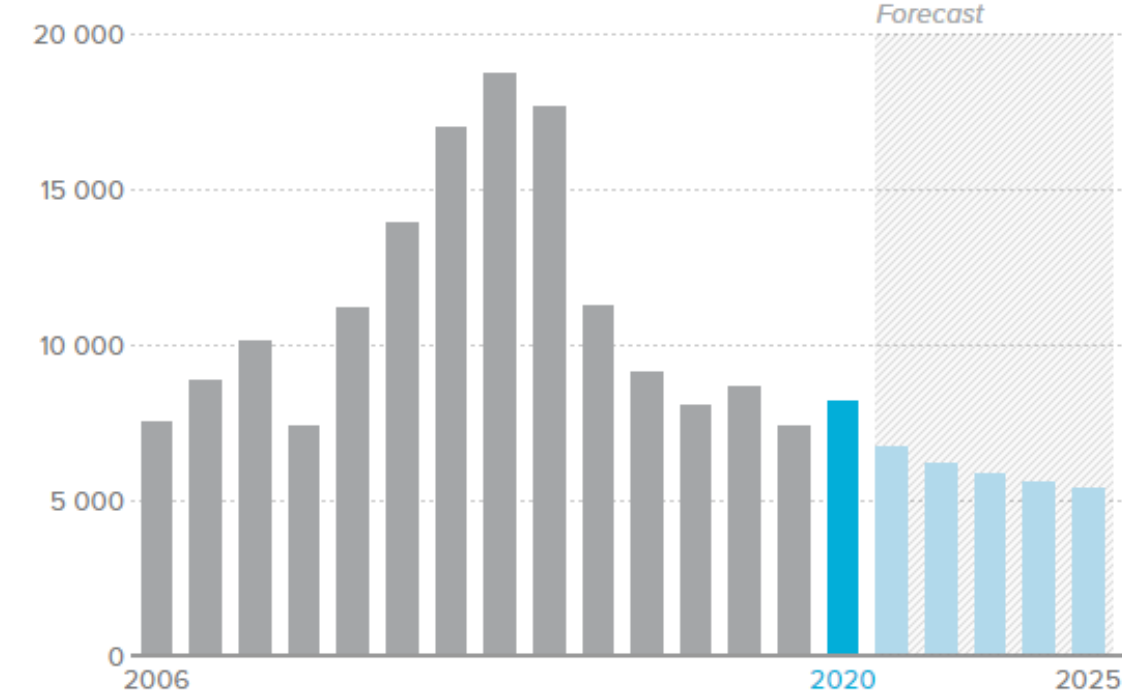
After a stellar financial year with record-breaking results, Apple started the latest quarter with bad news. This reports explores how Apple can transform itself in 2019.

Market Sizes

Sales of Computers and Peripherals


Retail Volume - '000 units - 2006-2025

8 135



20 000
15 000
10 000
5 000
0

2006 2020 2025

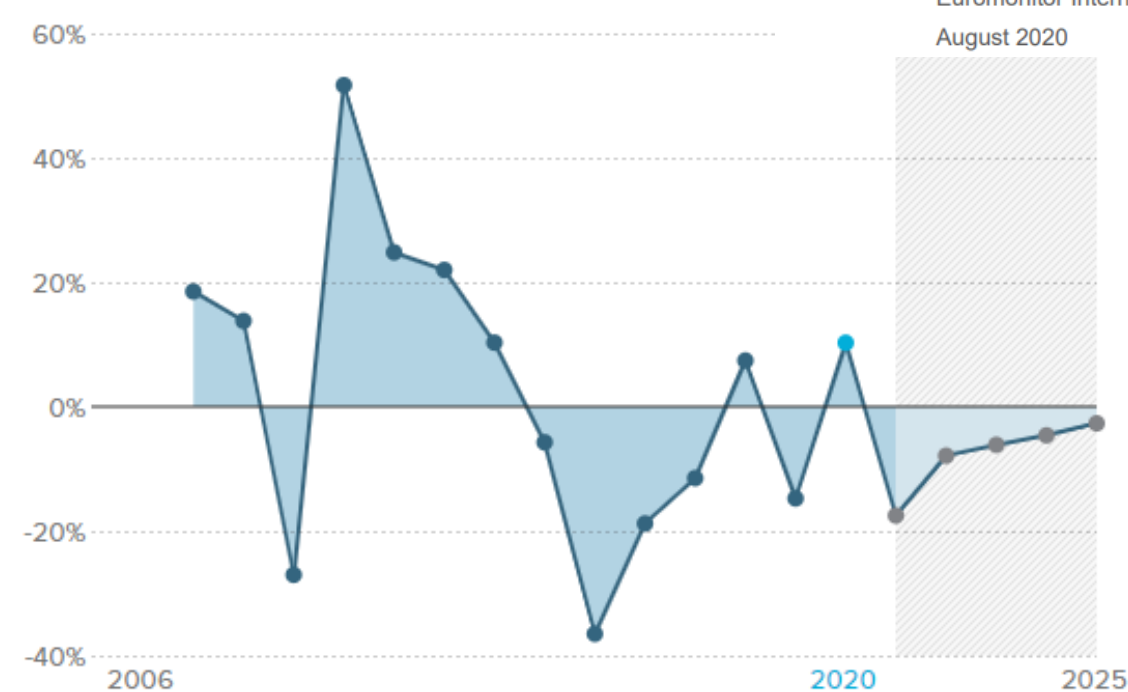


Passport

Sales Performance of Computers and Peripherals

% Y-O-Y Retail Volume Growth 2006-2025

10.3%



60%
40%
20%
0%
-20%
-40%

2006 2020 2025

Computers and Peripherals in Russia

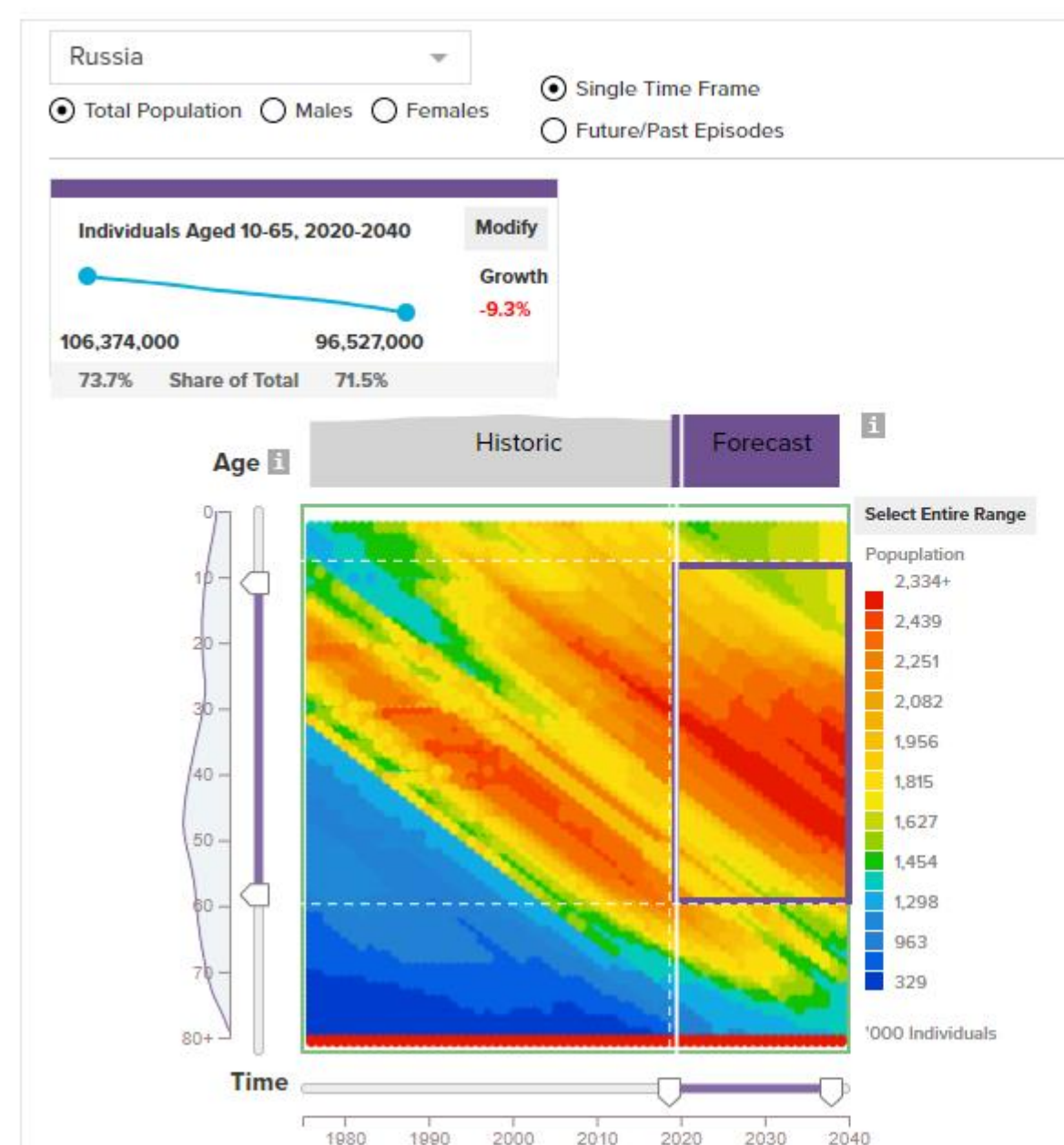
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CONVERT DATA	CHANGE DATA TYPES	Σ GROUP SUM	2015	2020	APPLY	CHANGE STATS TYPE	MODIFY SEARCH				
Stats Type	Geography	Category	Data Type	Unit	2015	2016	2017	2018	2019	2020	
	World	Consumer Electronics	Retail Volume	'000 units	2 739 381,6	2 706 227,4	2 698 038,6	2 683 072,7	2 668 013,6	2 514 775,3	
	World	Computers and Peripherals	Retail Volume	'000 units	442 967,6	411 004,8	384 805,0	369 765,6	359 035,5	350 800,1	
	World	In-Car Entertainment	Retail Volume	'000 units	55 299,2	50 222,2	46 660,8	42 287,8	38 931,0	35 063,7	
	World	In-Home Consumer Electronics	Retail Volume	'000 units	352 434,7	340 615,3	328 184,1	329 616,1	326 996,6	311 853,4	
	World	Portable Consumer Electronics	Retail Volume	'000 units	1 888 680,2	1 904 385,1	1 938 388,7	1 941 403,3	1 943 050,5	1 817 058,1	
	World	Imaging Devices	Retail Volume	'000 units	52 805,5	41 102,8	37 941,8	34 338,7	30 488,7	25 567,4	
	World	Mobile Phones	Retail Volume	'000 units	1 640 892,0	1 633 742,6	1 638 033,2	1 603 540,2	1 562 706,5	1 423 260,7	
	World	Portable Players	Retail Volume	'000 units	114 588,3	122 049,1	143 695,0	171 692,8	201 704,0	206 632,4	
	World	Wearable Electronics	Retail Volume	'000 units	80 394,5	107 490,5	118 718,8	131 831,5	148 151,2	161 597,6	

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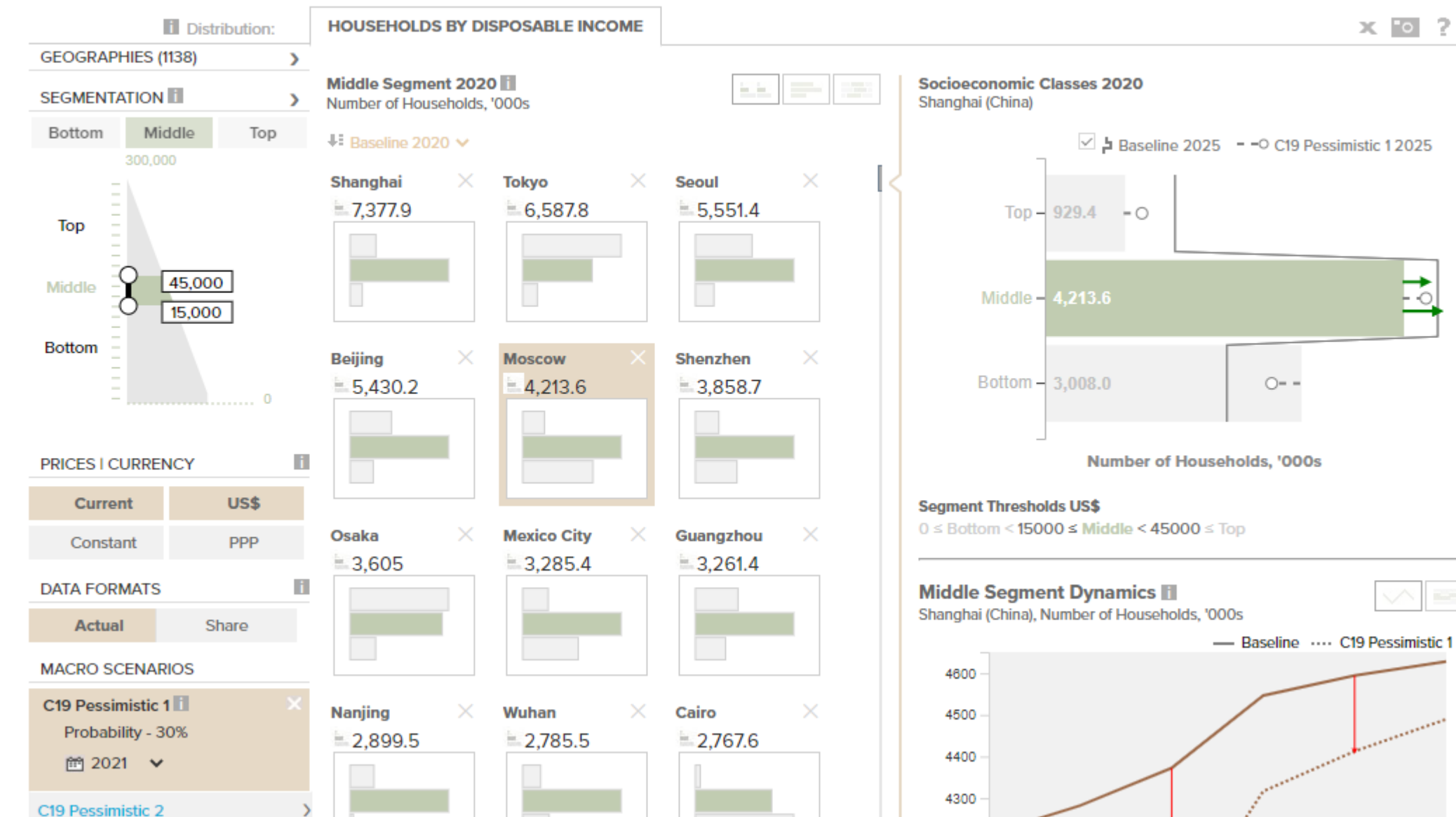
Passport (Euromonitor)

Future Demographics Model



Модель демографии будущего

Cities Income Distribution Model



Модель распределения доходов городов

Представлены: статистика по странам (демография, экономика); показатели и анализ «образа жизни» потребителей в различных странах и др.

ДОСТУП К СПЕЦИАЛИЗИРОВАННЫМ БАЗАМ ДАННЫХ

Orbit

Technology overview



125 2945 19928

APPLE

Revenue \$ 273 420 M

26669 patented inventions

221 Litigated 1000 Opposed
700 Licensed 1123 SEPs

Key inventions

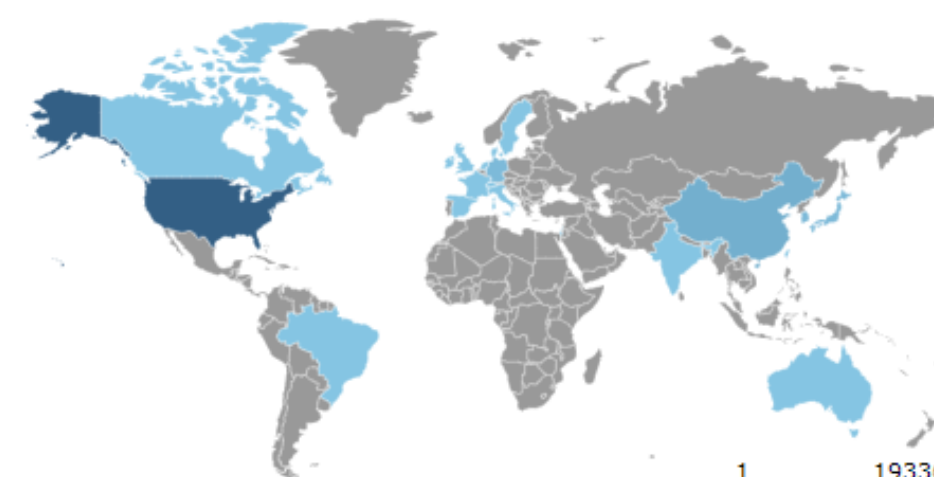


Pending Granted Dead

Legal status

Audio-visual technology Basic communication processes
Computer technology Digital communication
Electrical machinery, apparatus, energy Measurement Optics
Telecommunications

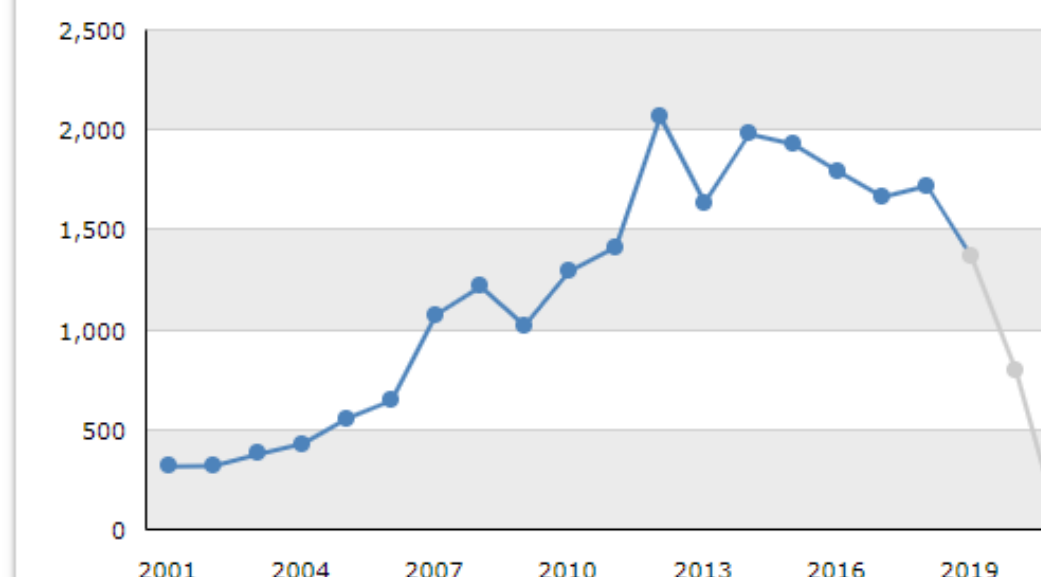
Top technical domains



+ 3817 EP
Inventions containing EP applications

+ 974 PCT
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Market coverage



Technology investment trend over last 20 years



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Abstract

Social capital is an aggregate of interpersonal networks. Belonging to a network helps a person to coordinate his strategies with others. Where the state or the market is dysfunctional, communities enable people to survive, even if they do not enable them to live well. But communities often involve hierarchical social structures; and the theory of repeated games cautions us that communitarian relationships can involve allocations where some of the parties are worse off than they would have been if they had not been locked into the relationships. Even if no overt coercion is visible, such relationships could be exploitative.

Keywords

Caste system Civil society Common property resources Communitarian institutions Contract enforcement Cooperation Exploitation Human capital Interpersonal networks

Social Capital

Partha Dasgupta

Abstract

Social capital is an aggregate of interpersonal networks. Belonging to a network helps a person to coordinate his strategies with others. Where the state or the market is dysfunctional, communities enable people to survive, even if they do not enable them to live well. But communities often involve hierarchical social structures; and the theory of repeated games cautions us that communitarian relationships can involve allocations where some of the parties are worse off than they would have been if they had not been locked into the relationships. Even if no overt coercion is visible, such relationships could be exploitative.

Keywords

Caste system; Civil society; Common property resources; Communitarian institutions; Contract enforcement; Cooperation; Exploitation; Human capital; Interpersonal networks; Prisoner's Dilemma; Public goods; Reciprocity; Repeated games; Reputation; Rotating savings and credit associations; Social capital; Social norms; Total factor productivity; Trust

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Definitions?

The idea of social capital sits awkwardly in contemporary economic thinking. Although it has a powerful, intuitive appeal, the object has proven hard to track as an economic good. One can argue (Arrow, 2000) that it is misleading to use the term 'capital' to refer to whatever it is that 'social capital' happens to be, because capital is usually identified with tangible, durable and alienable objects (for example, buildings and machines), whose accumulation can be estimated and whose worth can be assessed. There is much to agree with this. But in regard to both heterogeneity and intangibility, social capital would seem to resemble knowledge and skills. So one can also argue that, since economists have not shied away from regarding knowledge and skills as forms of capital, we should not shy away in this case either.

In an early definition, social capital was identified with those 'features of social organization, such as trust, norms, and networks that can improve the efficiency of society by facilitating coordinated actions' (Putnam et al. 1993, p. 167). The characterization suffers from a weakness: it encourages us to amalgamate strikingly different objects, namely (and in that order), beliefs, behavioural rules, and such forms of capital assets as interpersonal links (or 'networks'), without establishing reasons why such an inclusive definition would prove useful in gaining an understanding of our social world. Subsequently, Putnam (2000, p. 19) suggested a redefinition: 'social capital refers to connections among individuals – social networks and the norms of reciprocity and trustworthiness that arise from them'. Since then authors have defined social capital even more inclusively, where attitudes towards others make their appearance as well: 'Social capital generally refers to trust, concern for one's associates, a willingness to live by the norms of one's community and to punish those who do not' (Bowles and Gintis 2002, p. F419). These definitions tell us that 'social capital' is an ingredient in the workings of civil society (Putnam et al. 1993; Putnam 2000). In a parallel development, the theory and empirics of common-property resources in poor countries (for example, coastal fisheries, village tanks, local forests, pasture lands, and threshing grounds) have revealed the character of those local institutions that enable mutually beneficial courses of action to be undertaken within communities (Dasgupta and Heal 1979; Jodha 1986; Ostrom 1990; Dasgupta and Mäler 1991; Bromley 1992; Baland and Platteau 1996). Development economists have also studied rotating

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sustain an outcome where the time-average of the per-period payoff to a player is less than the payoff at the unique Nash equilibrium. That player would be worse off in a long-term relationship with the others than if the players were not in a long-term relationship. The social norm sustaining that outcome would be exploitative of the player.

Inequality is not the same as exploitation, which is why to demonstrate exploitation in an empirically satisfactory way will prove to be very hard: any such demonstration would involve comparison of an observable state of affairs with a counterfactual. However, some stark examples are suggestive. In Indian villages, access to local common-property resources is often restricted to the privileged (for example, caste Hindus), who are also among the more prosperous landowners. The outcasts (euphemistically called members of 'schedule castes') are among the poorest of the poor. Stark inequities exist, too, in patron–client relationships in agrarian societies, which make it very likely that the 'client' is worse off in consequence of that relationship than without it. Ogilvie (2003) has unearthed striking differences between the life chances of women in 17th-century Germany (embedded in dense networks) and the life chances of women in 17th-century England (not so embedded in dense networks): English women were better off.

Morals

Social capital is an aggregate of interpersonal networks. From the economic point of view, belonging to a network helps a person to coordinate his strategies with others. We should not prejudice the character of the strategies on which members of a network coordinate. As with any other form of capital asset, social capital can be put to good use or bad.

See Also

Common Property Resources Cooperation

Repeated Games Social Networks, Economic Relevance of Social Norms

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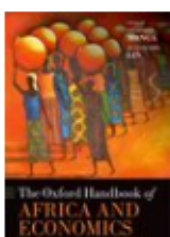
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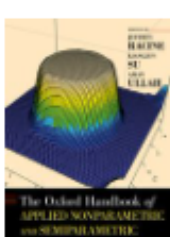
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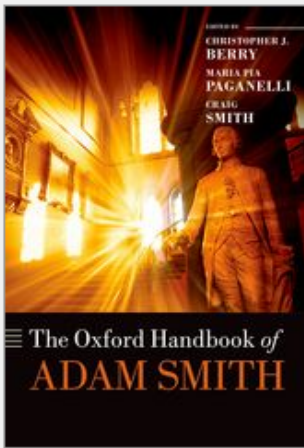
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Adam Smith's formal legacy to posterity consisted of meticulously revised editions of his two published works, and ; long-standing plans for treatises on Jurisprudence, Rhetoric, and the Fine Arts were abandoned on the grounds that there was no time to complete them. This chapter discusses Smith as component parts of an unrealized plan to develop a Science of Man on experimental principles. Smith's introduction to this as a student is explored and the influence of Hutcheson and Hume is emphasized as is the fact that Smith developed both the published and unpublished components of his Science of Man simultaneously. The question of the meaning Smith attached to 'science' is a continuing theme of the chapter.

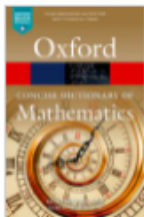
Keywords: [Adam Smith](#), [Hutcheson](#), [Hume](#), [science of man](#)


Adam Smith is often seen as an unrewarding subject for biography. Dugald Stewart, his first and greatest biographer, saw him as a quiet, unassuming man who led a relatively uneventful life and preferred the peace and quiet of his native Kirkcaldy and the company of old friends to the bustle of Glasgow, Edinburgh, or London. We know him now as a notoriously poor correspondent who valued his privacy, who deplored the current fashion for biographical tittle-tattle and who, at the end of his life, made an archival bonfire of most of his private papers and unfinished texts in an attempt to preserve his biographical privacy. For Smith was a philosopher who believed that a writer should be remembered for his works rather than his life, and for works that were finished, published and polished rather than for those which were incomplete and had yet to reach the public. It was for this reason that he reluctantly abandoned ambitious plans for new treatises on government, philosophy and the fine arts and spent his last years polishing and perfecting the texts of his two great published masterpieces, the *Theory of Moral Sentiments* and *The Wealth of Nations*. As he told his

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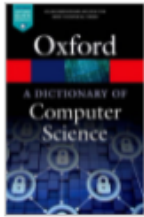



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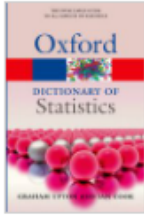



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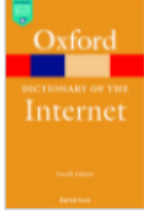



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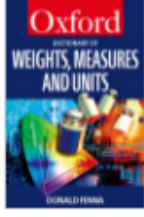



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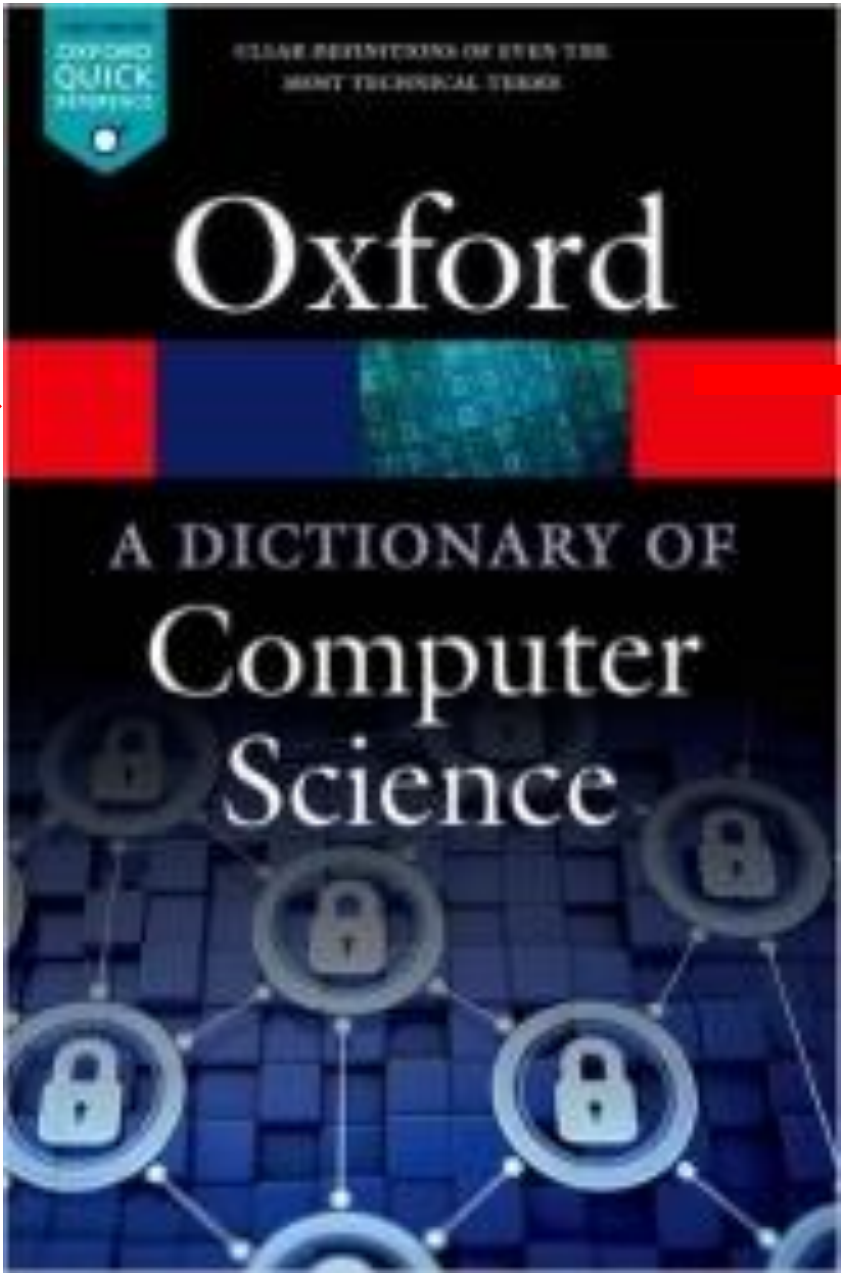


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data

1. **Information**, in any form, on which computer programs operate. The distinction between program (instructions) and data is a fundamental one in computing (see [VON NEUMANN MACHINE](#)). It is in this fundamental sense that the word is used in terms such as [data](#), [data break](#), [data bus](#), [data cartridge](#), [data communications](#), [data compression](#), [data name](#), [data protection](#), [data subject](#), and [data type](#).
2. In a more limited sense, data is distinguished from other contrasting forms of information on which computers operate, such as text, graphics, speech, and image. The distinguishing characteristic is that it is organized in a structured, repetitive, and often compressed way. Typically the structure takes the form of sets of [fields](#), where the field names are omitted (this omission being a main means of achieving compression). The ‘meaning’ of such data is not apparent to anyone who does not know what each field signifies (for example, only a very limited meaning can be attached to ‘1234’ unless you know that it occupies the ‘employee number’ field). That characteristic gives rise to the popular fallacy that ‘data is meaningless’.
- Terms such as [database](#), [data dictionary](#), [data hierarchy](#), [data independence](#), [data model](#), [data preparation](#), and [data processing](#) normally carry this second sense—though not invariably; the context should determine which sense is intended.
3. See [STATISTICAL METHODS](#), [STATISTICS](#).

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analysis, *n.*

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Pronunciation: [ⓘ] Brit. ▶ /əˈnælɪsɪs/, U.S. ▶ /əˈnæləsəs/

Inflections: Plural *analyses*.

Forms: 1500s *analysis*, 1500s– *analysis*.

Frequency (in current use): ●●●●●●●●

Origin: A borrowing from Latin. **Etymon:** Latin *analysis*.

Etymology: < post-classical Latin *analysis*... [\(Show More\)](#)

I. General uses.

1.

a. A detailed examination or study of something so as to determine its nature, structure, or essential features. Also: the result of this process; a detailed examination or report; a particular interpretation or formulation of the essential features of something. Cf. also *data analysis n.* at *DATA n.* **Compounds** **1.**

In the early modern period, examples of sense 2b often have examination of this kind as the implicit end of the process of resolution into parts, but evidence lacking any explicit sense of resolution is relatively uncommon before the middle of the 18th cent.

1580 G. HARVEY in E. Spenser & G. Harvey *Three Proper & Wittie Lett.* 48 Sometime this, sometime that, hath been noted by good wits in their *Analyses*, to fall out generally alyke.

1588 J. MORGAN (*title*) A short *analysis* of a part of the second chapter of S. Iames, from the 14. verse to the end of the same.

1684 tr. F. Hédelin d'Aubignac *Whole Art of Stage* iv. v. 153 (*heading*) An *analysis*, or examen of the first tragedy of Sophocles.

1789 W. BELSHAM *Ess.* II. xxxiv. 244 Of these [theories] I shall not descend to a particular *analysis*.

1798 J. B. SEALE *Anal. Greek Metres* (ed. 3) p. vi These considerations..have induced me to print this *Analysis*.

1843 *Brit. & Foreign Med. Rev.* 15 305 The tables in question were obtained from careful *analyses* of the registration books, by the clerks of the several poor law unions.

1882 *Athenæum* 14 Jan. 51/3 It contains what profess to be adequate analyses of..the ‘akosmism of Brahmanism’ and the ‘absolute illusionism of Buddhism’.

1902 *Banker's Mag.* Aug. 218 This is an exhaustive technical analysis of the causes affecting the New York money market, accompanied by numerous statistical tables.

1966 *Surg., Gynecol. & Obstetr.* 123 1212 (*title*) An analysis of 284 patients with perforative carcinoma of the colon.

1971 *Sunday Times* 28 Mar. 32/6 Ludovic Kennedy published his devastating *analysis* of the Christie murders and established the innocence of Timothy Evans.

1982 *London Rev. Bks.* 4 Feb. 13 Aristotle's sociology of Greek politics comes very near to a Marxist analysis.

2004 *N.Y. Times* (National ed.) 8 Dec. c5/1 An *analysis*..showed that at least one of every four military families have used the expensive short-term instant loans.

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economic, *n.* and *adj.*

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Pronunciation: [ⓘ] Brit. ▶ /i:kəˈnɒmɪk/, ▶ /ɛkəˈnɒmɪk/, U.S. ▶ /,ɛkəˈnɑːmɪk/, ▶ /,ɪkəˈnɑːmɪk/

Forms: Middle English *economike*, Middle English *economyk*, Middle English *iconomique* ... [\(Show More\)](#)

Frequency (in current use): ●●●●●●●●

Origin: Of multiple origins. Partly a borrowing from French. Partly a borrowing from Latin. **Etymons:** French *yconomique*; Latin *oeconomicus*.

Etymology: < (i) Middle French *yconomique*, *iconomique*, *oecunomique*, French *économique*, †... [\(Show More\)](#)

†A. *n.*

1.

a. The art or science of household management, esp. with regard to the proper organization of domestic resources; domestic economy, housekeeping. Cf. *ECONOMICS n.* **1.** *Obsolete.*

▶ 1393 J. GOWER *Confessio Amantis* (Fairf.) vii. 1670 That other point which to Practique Belongeth is *Iconomique*.

1481 tr. Cicero *De Senectute* sig. f5 The book of *Economike*, wherin [Xenophon]..declareth how the man ought to gouerne kepe & approwe his owne propre londys and goodys.

1623 C. BUTLER *Feminine Monarchie* (rev. ed.) v. sig. K4 As well in Musick as *Oeconomick*, there must sometime be Discords.

1656 T. STANLEY *Hist. Philos.* III. xvii. 156 Arts they did not expell out of Cities..no more than they would drive *Oeconomick* out of Houses.

Thesaurus »

(Hide quotations)

b. Someone who understands the art of household management. *Obsolete. rare.*

Thesaurus » Categories »

1593 A. MUNDAY tr. C. Estienne *Paradoxes against Common Opinion* 26 If those Philosophers or *Oeconomikes* [Fr. *economicques*] of times past [sc. Aristotle and Xenophon], were at this daie present to see, how these huswiues gouerne and content each one..they might learne of them new preceptes & instructions.

1656 J. TRAPP *Comm. Eph.* i. 10 God is the best *economic*; his house is exactly ordered for matter of good husbandry.

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
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
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