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ECONOMIC THEORY

DIGITAL CURRENCIES OF CENTRAL BANKS: FORMS, TASKS AND RISKS OF IMPLEMENTATION

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More than 60 countries have entered the race to create their own digital currency. It is predicted that the introduction of the electronic form of money will help to maintain stability of the financial system and will be beneficial for both households, businesses and the state. The article outlines the problems that digital currency must solve and lists the threats posed by its hasty introduction to the financial sector.

Keywords: Blockchain, digital currency, cryptocurrency, Central bank, money issue, financial innovation, banks

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THE INTERACTION OF STATE FISCAL POLICY WITH MONETARY AND TARIFF POLICY IN THE RUSSIAN FEDERATION

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Within the framework of the article, the topic of coordination of three main policies pursued in the Russian Federation, which are components of financial policy (fiscal policy, monetary policy and tariff policy), was considered. The object of the study is the process of implementing these types of policies in the Russian Federation. The subject is the system of coordination of fiscal policy with monetary and tariff policy. In the article, such research methods were applied as: analysis, generalization, comparison. The main problems of the implementation of financial policy in the Russian Federation are identified and the ways of their solution are proposed. Based on the results of the study, certain conclusions were drawn. The described ways of solving problems in coordinating the implementation of relevant policies in Russia can be useful for public law formations to improve the ability to navigate economic processes occurring at the level of the national economy, as well as to understand the meaning of current events in order to adjust the economic course to achieve the highest level of well-being of the population.

Keywords: fiscal policy, monetary policy, customs and tariff policy, coordination, economics, taxes, rate, inflation.

SOME CONSIDERATIONS ON METHODOLOGY OF SCIENTIFIC REVOLUTIONS IN ECONOMICS

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The article considers the premises of revolutionary changes in the history of economics in regard to philosophy of science. The aim of the article is to analyse the most wide-spread approaches to scientific revolutions interpretation and their implementation in the history of economic thought. Systemizing the symptoms of scientific revolutions gives an opportunity to trace some peculiarities of revolutionary changes in economics which are accompanied by the shift of scientists' notions of economic reality. From this point of view the article reconsiders the nature of the marginalist revolution. The author also argues the cumulative and cyclical character of economic science development.

Keywords: ethics, ontology, economic methodology, scientific revolution, history of economic thought.

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ECONOMICS AND MANAGEMENT OF NATIONAL ECONOMY

**GOALS AND INDICATORS OF SUSTAINABLE DEVELOPMENT OF THE REGION
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The problem of measuring sustainable development at the regional level is extremely relevant, since there are international standards for assessing sustainable development, national criteria for Russia have been developed, but the regions of Russia have not yet joined this work. According to Rosstat specialists, only the Rostov region has submitted a sustainable development report. This may be due to the fact that the list of sustainable development indicators is too extensive, and these indicators are poorly represented in strategic documents.

In addition, not all sustainable development goals have information support at the regional level. In this connection, the authors propose factors, goals and a list of indicators of regional sustainable development. On the basis of the author's developments, a short-term monitoring of the sustainable development of the Chechen Republic was carried out, which showed that the main problems of the republic's sustainable development are related to the social sphere. The conclusions of the authors confirm the correctness of the tree of development goals of the republic, implemented within the framework of its strategy of socio-economic development.

Keywords: sustainable development, region, monitoring, measuring instruments, complex indicators

**INFRASTRUCTURE MARKETING TOOLS AND OPPORTUNITIES FOR ITS
MODERNIZATION: MAIN FORMS, SPECIFICS AND EFFECTIVENESS**© 2021 **Botalova Marina Egenjevna**Department of management and marketing, applicant
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The relevance of the topic of the scientific article is justified by the need to use the infrastructure marketing tools accumulated in world and domestic marketing science and practice, which represents the second generation of territory marketing and is able to provide a specific region with strategic competitive advantages in the struggle for high-performance and mobile labor resources that are sensitive to the factors of infrastructure life support when planning migration and rooting processes. The article presents the results of the author's scientific search in terms of modernization of organizational and economic support of infrastructure marketing processes.

Keywords: territory marketing, infrastructure marketing, marketing features of social infrastructure promotion.

FACTORS OF INCREASING THE COMPETITIVENESS OF THE PRODUCTION POTENTIAL OF THE AGRO-INDUSTRIAL COMPLEX IN THE VALUE CHAINS

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The competitive opportunities of the agro-industrial complex in the domestic and world markets are studied. A SWOT analysis was conducted for individual industries and chains of the livestock subcomplex of Russia to identify opportunities for competitiveness growth in the short and long term. An assessment of the possibilities of increasing added value in individual product chains is presented.

Keywords: agro-industrial complex, animal husbandry, competitiveness, production potential, SWOT analysis, state support

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EVOLUTION OF ENERGY WITH SUBSTITUTION OF TRADITIONAL ENERGY SOURCES CALCULATED BY THE FUZZY LOGIC METHOD

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This article examines the problem of the absence of an empirical component in forecasting the development of the energy industry in Russia, taking into account the well-known evolutionary trends. The authors, using the method of fuzzy logic, calculated the indicator «Degree of substitution» of traditional energy sources of nuclear power plants, thermal power plants, hydroelectric power plants for non-conventional renewable sources (NCRES) from 2000 to 2020 in Russia, in comparison with Germany, Japan, China and the United States. This indicator can be used to predict the development of the fuel and energy complex to obtain more accurate results.

Keywords. fuzzy logic, traditional energy, non-conventional renewable energy sources, NCRES, degree of substitution, forecast of development of the FEC, evolution of energy, NPP, TPP, HPP.

ECONOMIC CONSEQUENCES OF DIGITALIZATION OF RAILWAY CONTAINER TRANSPORTATION

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The growth of container transit traffic on the territory of Russia by 4 times by 2024, the achievement of which is provided for by the «May» decree of the Russian president, should ensure not only investments in infrastructure, rolling stock and container fleet, but also organizational solutions, digitalization technologies, «smart» solutions for transport. The article analyzes the dynamics of container transportation over the past 10 years (2011–2020), substantiates the advantages and economic consequences of the introduction of certain digital technologies in the field of container cargo transportation: blockchain and the Internet of Things.

Keywords: digitalization, container transportation, blockchain, Internet of things.

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MARKETING ASPECTS OF COMPETITION DEVELOPMENT IN THE HEALTHCARE MARKET

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The article examines the integration of the healthcare industry into the system of highly competitive market relations, studies the economic ties that objectively arise between organizations in the course of their medical activities. The difference between medical and state companies providing medical services, which are competitors in the healthcare market, is revealed. The aim of the study is to analyze the prerequisites and process of market transformation of the marketing strategies of medical companies. The data obtained can be used by medical institutions when developing their own marketing strategies and drawing up appropriate methodological and practical recommendations in the field of competitive struggle.

Keywords: healthcare system, public and private medicine, competitiveness, competitive environment, participants in competitive relations, increasing the competitiveness of medical institutions, healthcare market.

ENERGY EVOLUTION: THE IMPACT OF NON-CONVENTIONAL RENEWABLE ENERGY SOURCES DEVELOPMENT ON CONVENTIONAL ENERGY ON THE EXAMPLE OF SAKHALIN

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The authors investigate the real prospects for the evolution of energy, taking into account the global trend of the large impact of RES for Russia by assessing the technical and economic consequences in each specific energy region due to the uneven potential for the implementation of various technologies and the formation of ambiguous design solutions in electric power systems. Calculations of the technical and economic consequences of the implementation of a wind farm are presented, due to the peculiarity of the energy balance of Sakhalin Island, the structure of its economy and environmental indicators of air pollution. Evaluated indicators of economic efficiency of the project. Conclusions are made about additional commercial effects for traditional energy when wind power plants are commissioned.

Keywords: evolution of energy, unconventional renewable energy sources, gross regional product, pollutant emissions.

COMPETITIVENESS OF RUSSIA IN THE SYSTEM OF INTERNATIONAL RATINGS

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The positions of the Russian economy in the system of international competitiveness ratings, factors of its determining and possible directions of increase have been investigated. The results of the global competitiveness ratings of the two IMD and WEF institutes were compared. It is justified that the results of the study are of promising importance for developing a mechanism for adapting the Russian economy to long-term structural changes in the world economy.

Keywords: international ratings, competitiveness, WEF, IMD, institutions, management theory, technologies, digitalization, macroeconomics.

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SYSTEM ANALYSIS OF THE CORRESPONDENCE BETWEEN THE PROPERTIES OF THE DIGITAL ENTERPRISE AND THE COMPLIMENTARY-ENTERPRISES WITHIN THE INFORMATION ENVIRONMENT

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The competitiveness of the digital enterprise is based on its representation in the information environment. A potential consumer is forced to analyze the current informational slice, consisting of information describing both a digital enterprise and its product in an extremely multidimensional manner. The potential consumer perceives information about the enterprise itself within the framework of this information section in comparison with information about the main competitors of the enterprise, about complementary enterprises, as well as general contextual information. The perception of the enterprise in comparison with its complementors is of particular importance. Within the framework of this article, a comprehensive toolkit for system analysis of the correspondence of properties of a digital enterprise and its complementing enterprises within the information environment is presented.

Keywords: digital enterprise, information environment, complementary enterprises, system analysis, competitiveness

INTEGRATION OF RUSSIAN EXPORT NETWORKS INTO GLOBAL VALUE CHAINS IN THE PHARMACEUTICAL MARKET

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The paper discusses the directions of integration of Russian pharmaceutical companies into value chains in the global pharmaceutical market. The analysis of the depth of integration of domestic pharmaceuticals into global value chains (GVCs) is carried out and three scenarios of strengthening the

competitive position of domestic manufacturers in this market are considered, including the creation of their own GVCs, integration into already existing GVCs, as well as integration into a national network of distributors for positioning as a global pharmaceutical logistics center.

Keywords: pharmaceuticals, global value chain, export network, competitiveness, integration, scenario approach.

AUTOMATED ALGORITHM FOR SYSTEM ANALYSIS OF A DIGITAL ENTERPRISE COMPETITIVENESS WITHIN THE INFORMATION ENVIRONMENT

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The process of formation of the digital economy is currently an objective reality. This process is primarily characterized by two basic systemically related processes — globalization and digitalization. One of the key consequences of this process is the transformation of a traditional enterprise into a digital enterprise. The digital enterprise for the consumer exists exclusively within the digital information environment, which greatly limits the possibilities of marketing interaction. Thus, the digital enterprise is a fundamentally new subject of the economy, significantly different from the traditional enterprise. The authors within the framework of the article [1] analyzed the properties of the formation of the competitiveness of a digital enterprise and developed an adaptive tool for the system analysis of the competitiveness of a digital enterprise within the information environment. Within the framework of this article, the results of algorithmicization and automation by means of the high-level programming language Python of the previously developed toolkit are presented.

Keywords: digital enterprise, information environment, information slice, competitiveness, sentiment, system analysis

REQUIREMENTS FOR COMPETENCE SYSTEMS AND PRINCIPLES OF THEIR DEVELOPMENT FOR SMALL INNOVATIVE ENTERPRISES

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The analysis of the competency systems presented in the recent papers and international standards concerning the possibility of their application to improve the project management at small innovative enterprises (SIE) is carried out. Significant limitations of the possibility of using the existing systems for the purposes of project management at SIE, due to their complexity and high level of generalization are identified. The necessity of developing a system of competencies for the participants of the SIE' innovation project teams, taking into account the specifics of the implementation of project activities of this economic entities' category is justified. The core features of project management at small innovative enterprises are revealed. Taking into account the revealed features, the requirements for the competency system for the SIE innovation project teams' participants are developed, as well as major development principles for meeting these requirements.

Keywords: competency system, competency model, innovative project, project management, project manager, small innovative enterprise

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FUNDAMENTALS OF AN INTEGRATED APPROACH TO THE ANALYSIS AND EVALUATION OF THE ACTIVITIES OF AN AGRO-INDUSTRIAL COMPLEX ENTERPRISE

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The article considers the methodological foundations of an integrated approach to the analysis and evaluation of the activities of an agricultural enterprise. The proposed approach provides that it is advisable to use both basic and relative factors to assess the economic condition of an agro-industrial complex enterprise achieved as a result of the implementation of a specific set of management decisions.

Keywords: Agro-industrial complex enterprise, factor analysis, balance sheet method, management decisions, liquidity analysis, creditworthiness, financial planning, economic indicators

MODEL FOR IDENTIFYING ECONOMIC AGENTS INVOLVED IN THE LEGALIZATION OF CRIMINAL PROCEEDS

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In this article, the following task was set: to propose statistical procedures through which it is possible to presumably identify organizations involved in the laundering of criminal proceeds. For such purposes, the modern science of data analysis can provide a whole range of techniques and methods. Such methods include regression analysis, decision trees, and neural network methods. The latter, in the authors' opinion, are best suited for this situation due to the fact that it is neural network modeling that allows using the relationships available in the data that are not available to other analysis methods. Based on the materials of administrative and judicial practice, the authors build a model that can be used to identify subjects involved in conducting operations aimed at legalizing criminal proceeds. The article also provides a list of criteria (mainly of an economic nature) that should be taken into account when determining the probability of a subject's involvement in this type of illegal activity. The statistical justification of the choice of these criteria is also given in the work.

Keywords: laundering of criminal proceeds, Central Bank, internal control rules, financial monitoring, suspicious transactions

ANALYSIS OF THE DEVELOPMENT OF GLOBAL DIGITAL COMPETITIVENESS IN MODERN CONDITIONS

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The article analyzes how different countries of the world have changed their digital competitiveness over the past three years. There is a trend in which the best Digital Riders around the world are investing in talent and making it easier for companies to innovate and entrepreneurs. It has been determined that fast-track plans and long-term plans are another feature of high performing countries. The subject of the research is the main properties and patterns of the development of competitiveness in the digital economy. The digital economy is seen as a new stage in the development of the economy and society.

Digital technologies are changing lives and businesses around the world, but the pace of change varies greatly from one country to another. Currently, there is a development of a technological revolution that combines artificial intelligence, 3D printing, virtual reality and other technologies [2]. This will affect every industry and every economy around the world. A country's ability to navigate these changes and increase competitiveness based on these digital technologies will determine not only its future wealth, but also its geopolitical position. Digital technology has the potential to change the future of work. Automation, big data and artificial intelligence associated with digital technologies could affect 50% of the global economy. There is both anticipation and concern about what is on the other side of the threshold of the «second machine era.» Technology today is automating more than 1 billion jobs and \$ 14.6 trillion in wages [2], which could open the door to new ways of using human energy, as well as displacing routine jobs and increasing social inequality.

Analyzing the level of increase in digital competitiveness of various countries over the past three years, the authors can find answers to the following questions: which Digital Riser countries have succeeded and improved their position in comparison with their peers, which countries have lost ground and whose experience can be learned?

Keywords: digital economy, competitiveness

SPATIAL ORGANIZATION OF THE COMMUNICATION SYSTEM OF THE ARCTIC MINERAL RESOURCE CENTER

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A study was carried out to assess the effectiveness of the spatial Arctic mineral resource center. The paper systematizes data on the state of the mineral resource base of hydrocarbons in the Arctic zone, a scheme of spatial organization and gives the economic efficiency of investments. It has been proved that the need to develop resource provision for the Arctic territories is due to a special geopolitical status and the elimination of imbalances in spatial development.

Keywords: Arctic region, mineral resource centers, communications, socio-economic development, spatial organization, energy resources, oil export, Northern Sea Route.

IMPACT OF INFORMATION TECHNOLOGY DEVELOPMENT ON THE RENEWABLE ENERGY MARKET

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The relevance of the problem under study lies in the growing threat of using traditional energy sources. There is a depletion of natural fuel resources and environmental degradation. Renewable energy is an alternative to traditional production. The purpose of this work is to study the energy and technological potential of a number of countries and form a set of proposals for more active use of renewable energy sources, in particular wind and solar energy. To achieve the goal, the relationship between the volume of production of renewable energy and the number of patents for renewable energy was investigated; the index of development of information and communication technologies is analyzed as a factor of influence on patenting in the field of renewable energy and patents for renewable energy are considered as an indicator of the degree of innovativeness of the sector. According to the results of the study, it was found that the indicator of the number of renewable energy patents has the greatest impact on the production of renewable energy. The number of patents, in turn, is influenced to a greater extent by the ICT development index and, to a lesser extent, by investment in green energy. It was found that the increase in carbon dioxide emissions into the atmosphere encourages investment in the development of alternative energy.

Keywords: renewable energy sources, renewable energy, wind energy, solar energy, alternative energy sources, conventional energy sources, fossil fuels, oil, coal, energy production, energy consumption, investment, patenting, information systems, innovation, energy of the future.

WAYS OF DEVELOPMENT OF THE STRUCTURING OF PPP PROJECTS ON THE PRINCIPLES OF ISLAMIC FINANCING

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This article is devoted to projects in the field of public-private partnership (PPP) using Islamic financing.

The article considers the reasons for using this type of financing (in particular, the relevance of using Islamic financing for PPP in both developed countries and countries with developing economies is analyzed), distinctive features, prospects of the simultaneous use of Islamic financing and traditional financing in the implementation of a single project within the framework of PPP.

The article considers the activities of international organizations to develop standards and rules in

the field of Islamic financial services (in particular, accounting and auditing standards for Islamic finance).

In addition, the author analyzes the ways of development of Islamic finance, considers the activities of a number of organizations in the field of analysis, support and promotion of Islamic finance (The Islamic Financial Services, the World Bank, multilateral Development banks) gave recommendations on the dissemination of Islamic finance (for example, the creation of an infrastructure fund designed for the development of Islamic finance, investments by international development banks in promising PPP projects, the creation of a knowledge base, the creation of a global list of PPP projects that have been implemented using Islamic finance, the creation of a working group on PPP in the field of Islamic finance in order to exchange best practices at the operational level and any innovative approaches).

Keywords: public-private partnership, Islamic financing, investment.

THE DEVELOPMENT STRATEGIES FOR GOVERNMENTAL REGULATION OF INNOVATIVE PROCESSES IN THE MODERN RUSSIAN ECONOMY

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The article analyzes the need to form a strategy for state regulation of innovative activity and the main forms of control. In the course of the study, the analysis of the evolution of ideas about innovations and the patterns of innovative development was carried out, which made it possible to identify four stages of their development. It is concluded that the recognition of innovation as a key factor in the competitiveness of business entities and the national economy predetermined the need to develop an innovative policy of a modern state. The analysis of the dynamics of the innovativeness index of the Russian Federation and its sub-indices confirmed that the availability of resource potential is a necessary, but not a sufficient condition for high efficiency of innovation processes. The strategies of state regulation of innovation processes are determined, the choice of which depends on the state of factors of the external environment of business entities, the characteristics of the national economic space and institutional structure. These strategies include «new paternalistic policy», program-targeted management, direct control. The role of state funds in financing innovative projects is presented. It is concluded that the results of state regulation of innovation processes are determined by the completeness of accounting for economic, institutional, social and other factors, as well as the effectiveness of the applied management tools and the degree of its compliance with the content of factors of the changing external environment.

Keywords: Globalization, localization, world economic space, competitive advantages, economic and sanitary crisis, factors of economic growth, state regulation of the economy.

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BOOK KEEPING, STATISTICS

ANALYSIS OF DISCREPANCIES IN STATISTICS ON FOREIGN ECONOMIC ACTIVITIES OF THE RUSSIAN FEDERATION AND ITS KEY TRADING PARTNERS© 2021 **Burtseva K. Y.**

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In statistics of foreign economic activity not only reflect the effectiveness of interaction between economic actors entering into partnerships, but also form the basis for the functioning and maintenance of the entire system of international trade relations. The article analyzed data confirming the asymmetry of information on foreign economic activity by the Russian Federation and its key trading partners, in particular, the discrepancy in trade statistics of Russia and China was considered. Reasons of the discrepancy in trade statistics are determined.

Keywords: Russia, China, foreign economic activity, statistics, discrepancy of statistics, cooperation, trade cooperation.

COMPETITIVE BENCHMARKING BASED ON PUBLIC REPORTING DATA AND ITS ROLE IN BUSINESS DEVELOPMENT© 2021 **Dombrovskaya Elena Nikolaevna**

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The article discusses the features of competitive benchmarking as a tool for business development. The practice of application is presented according to the data of Russian construction companies. Directions for the development of business strategies have been developed and the priority of using competitive benchmarking has been substantiated to improve the efficiency and effectiveness of companies' activities.

Key words: competitive benchmarking; business development; reporting information; comparison; rating; reference company.

FEATURES OF THE ELECTRIC POWER INDUSTRY AND THEIR IMPACT ON THE COST ACCOUNTING ORGANIZATION© 2021 **Malinovskaya N. V.**

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The article considers the modern structure of the electric power industry – one of the strategic sectors of the Russian economy that provides electric and thermal energy for both the domestic needs of the country and supplies electricity for export to European countries and the CIS. The modern structure of the electric power industry was formed as a result of the reform, which began in the early 2000s. Each segment of the energy business has its own specific features that must be taken into account when organizing management accounting of costs. The article summarizes features which affect the cost accounting organization and products and services calculation, reflecting the current trends in the development of the electric power industry.

Keywords: electric power industry, segments of the electric power industry, industry features, cost accounting, calculation.

STATISTICAL ASSESSMENT OF THE EFFECTS OF THE COVID CRISIS ON THE PRIMARY MARKET OF RUSSIAN CARS

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Relevance: The covid crisis that erupted in 2020 around the world has significantly changed the dynamics and structure of sales, including affecting the passenger car market. As a result, at the beginning of 2021, a shortage of new cars formed in Russia and consumer prices rose. All this makes the study of the primary car market in Russia relevant.

Goal: To identify and measure trends in the primary passenger car market under the influence of the covid crisis.

Methods: statistical methods such as tabular, graphical, selective, coefficient, correlation-regression were used to achieve this goal.

Results: the volume of car production in Russia is largely influenced by local and global crises, including the 2020 covid crisis; despite a sharp increase in domestic production, the level of motorization of Russia largely lags behind world leaders (a gap of 2 times), due to the low purchasing power of the population and the dependence of the automobile industry on imports of components and spare parts; the dynamics of sales in 2020–2021, in particular seasonality, differs significantly from the previous trend, due to the suspension of production, a shortage of components and declining real incomes of the population; the shortage of new cars in 2020 led to an increase in selling prices, which further aggravated the situation and laid the trend for a decrease in car sales.

Practical significance: the main provisions and conclusions of the article can be used in scientific and practical activities when considering the development of the primary car market in Russia under the influence of crises of an internal and global scale.

Keywords: transport, the primary car market, cost, price, statistics, factors, qualitative characteristics, econometric model, interrelation, prediction.

REASONS FOR DISCREPANCY IN THE DATA OF MUTUAL TRADE BETWEEN THE RUSSIAN FEDERATION AND THIRD COUNTRIES

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The article examines the problematic issue of determining the causes of discrepancies in the statistics of mutual trade of partner countries. Inconsistencies of data on trade and economic interactions of the Russian Federation and its key trading partners were identified. Comparing Russian indicators with statistics from different countries of the world is necessary in order to reduce the influence of various factors in the long term. To this end, strategies to avoid discrepancies in statistics have been proposed.

Keywords: Russia, foreign economic activity, statistics, discrepancy of statistics, reasons for the discrepancy in statistics cooperation, cooperation, trade cooperation.

WORLD ECONOMY

EXPERIENCE OF STATE SUPPORT FOR SMALL AND MEDIUM-SIZED BUSINESSES IN COUNTRIES WITH SOCIALLY ORIENTED ECONOMIES

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The article analyzes the experience of state support for SMEs in the Scandinavian countries-Denmark, Sweden, Norway. The features of their socio-economic model are revealed. The experience and features of state support for SMEs that can be used in the Russian economy are disclosed.

Keywords: small and medium-sized entrepreneurship, Denmark, Sweden, Norway, socially-oriented economy, state support.

PROBLEMS AND PROSPECTS FOR THE DEVELOPMENT OF THE OIL AND GAS COMPLEX OF NIGERIA

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The article examines the complexity of the problem of integrating Nigeria into the modern world economic system. Special emphasis is placed on foreign investors actively expanding their participation in the oil sector. In addition, the oil sector of Nigeria continues to develop in difficult conditions and offshore oil and gas production is becoming a new promising direction of development. The Dangote refinery is also designated and the country is expected to become a regional refining center in the coming years.

Oil and gas complex, Nigeria, economics, import, oil refining, production, investment, export.