

# FUNDAMENTALS OF ECONOMICS IN SUSTAINABLE CONSTRUCTION

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**What is the economics of sustainable construction?** Sustainable construction economics aims to shift the focus towards a more balanced approach, where economic benefits are considered alongside environmental and social ones. This approach can lead to significant long-term savings and benefits for all involved.

**What are the 7 principles of sustainable construction?**

**What are the 4 fundamentals of economics?** Four key economic concepts—scarcity, supply and demand, costs and benefits, and incentives—can help explain many decisions that humans make.

**What are the economic principles of construction?** There are four basic principles that underpin construction projects; supply, demand, markets and types of business. The word supply used in economics is normally defined as; the total amount of good or service available for purchase; along with demand, one of the two key determinants of price.

**What are the economics of sustainability?** Economic sustainability refers to practices that support long-term economic growth without negatively impacting social, environmental, and cultural aspects of the community. Ways to be economically sustainable: Easy: Donate \$1 to Economics of Philanthropy in the non-profit sector through the UMW foundation.

**What is importance of economics in the construction industry?** For appropriate and accurate cost planning, cost control and cost analysis. For the determination of building cost index. For proper usage and understanding of economic order quantity.

**What are the 3 pillars of sustainability in construction?** What we need to consider now is how sustainability can be placed into building construction policies, strategies, and practices. As the image above shows, sustainability is organised into three underpinning pillars, namely Environmental sustainability, Economic sustainability, and Social sustainability.

**What are the fundamentals of sustainable construction?** Sustainable construction is a type of construction that seeks to reduce the negative environmental, social, and economic impacts of buildings. Sustainable construction methods are designed to accomplish several objectives. These include to: Reduce the use of non-renewable natural resources.

**What is the theory of sustainable construction?** Sustainability changes the traditional linear approach to a cyclic process. The economic principles of sustainable construction include value for money; maximum output with minimum input; integration of short-term return and long-term benefits; stakeholder partnerships and human quality of life.

**What are the 7 fundamentals of economics?** There are Seven Core Principles of Economics. These principles are: Scarcity Principle, Cost-Benefit Principle, Principle of Unequal Costs, Principle of Comparative Advantage, Principle of Increasing Opportunity Cost, Equilibrium Principle, and ...show more content...

**What are the key fundamentals of economics?** namely consumption, production, exchange, distribution and public finance. 1. Consumption: The satisfaction of human wants through the use of goods and services is called consumption. It means destruction of utility.

**What are the 4 pillars of economics?** Inclusive Growth, Manufacturing, Simplification of. Laws.

**What is the relationship between construction and economics?** Construction has been acknowledged to be a major driver of economic growth in most countries of the world, especially, the developing ones. Given its labour-intensive nature, the construction sector influenced other sectors of the economy through direct and indirect employment.

**What is economics in construction management?** Construction economics is a crucial aspect of the construction industry that involves the analysis and management of the financial aspects of construction projects. It encompasses a wide range of economic factors, such as project costing, budgeting, financing, risk assessment, and cost control.

**How is the economy for construction?** Construction is a driving force behind the U.S. economy, contributing 4% to the GDP. As a leading indicator, the construction industry can offer valuable insights into the economic landscape, helping market observers anticipate trends and forecast future economic activity.

**What are the three pillars of sustainability economic?** The 3 pillars of sustainability: environmental, social and economic.

**How can Economics help sustainability?** Economics can help you understand and promote sustainable development by providing tools and frameworks for analyzing trade-offs, incentives, and policies. In this article, you will learn how to use some of these tools and frameworks to address key challenges and opportunities for sustainable development.

**What is the role of Economics in sustainable development?** A sustainable economy is based on economic decisions made by society (laws and regulations), consumers and businesses. Economic sustainability refers to balanced growth that is not based on the loss of resources or indebtedness.

**What are the economic factors of the construction industry?**

**What is design economics in construction?** It considers what affects the cost of a building, and how the costs of the development can be controlled at the pre-contract stage of the project.

**What economic sector is construction in?** The secondary sector consists of processing, manufacturing, and construction companies. The secondary sector produces goods from the natural products within the primary sector.

**What is economic in sustainable development?** Economic sustainable development is balanced economic growth, free of indebtedness and over-

consumption of factors of production, and activities that take into account the carrying capacity of the environment and future generations.

**What is economics of construction method?** Construction economics: The branch of economics that focuses on the analysis and management of costs, resources, and financial aspects within the construction industry. Construction economics is indeed a branch of economics that specifically deals with the economic aspects of the construction industry.

**How is the economy for construction?** Construction is a driving force behind the U.S. economy, contributing 4% to the GDP. As a leading indicator, the construction industry can offer valuable insights into the economic landscape, helping market observers anticipate trends and forecast future economic activity.

**What is the economic benefits of sustainable design?** Green buildings reduce day-to-day costs year-over-year. LEED buildings have reported almost 20 percent lower maintenance costs than typical commercial buildings, and green building retrofits typically decrease operation costs by almost 10 percent in just one year.

**Which JDBC driver can be used with JDK17 and Oracle Database 19c?**

**How to find JDBC version in Oracle?** One way to check the JDBC driver version is to open the ojdbc jar file and go inside the META-INF folder, and then open the "MANIFEST.MF" file. The version can be seen next to "Specification-Version".

**How to retrieve data from Oracle database in Java using JDBC?**

**How to connect Oracle database in Java code?**

**Which JDBC version is compatible with Java 17?** For JDK 17 and above, you should use the ojdbc11.jar, also it is JDBC 4.3 compliant. From the FAQ, this means: If you are using JDK11 then, ojdbc8.

**Which is better Oracle Java 17 or OpenJDK 17?** Oracle builds its own JDK from OpenJDK, so there's no technical difference between the two. The only instance where you might notice any real performance difference is if the version of OpenJDK in question is older than the version of Oracle JDK.

**What version of Oracle is compatible with JDBC driver?** Oracle Database Release 21c JDBC drivers are certified with all supported Oracle Database releases (21c, 19c, 18c, 12c, and 11g Release 2). However, they are not certified to work with older, unsupported database releases, such as 10g and 9i.

**How to check if you have a JDBC driver installed?**

**How to check JDBC connection in Oracle?** After configuring the JDBC Driver, it is recommended that you test the data source to verify that it is able to communicate and authenticate with the driver. Testing the data source requires that the Enterprise Server/Security Server services are up and running.

**How to connect to JDBC database in Java?**

**How to get Java source code from oracle database?**

**What is the URL of the Oracle JDBC?** Connection URL: The connection URL for the oracle10G database is jdbc:oracle:thin:@localhost:1521:xe where jdbc is the API, oracle is the database, thin is the driver, localhost is the server name on which oracle is running, we may also use IP address, 1521 is the port number and XE is the Oracle service name.

**What is the name of the driver in Oracle JDBC?** Class OracleDriver The Oracle JDBC driver class that implements the java.sql.Driver interface.

**How to get started with JDBC?**

**How do I load Java into Oracle database?** To load Java stored procedures automatically, you use the command-line utility loadjava . It uploads Java source, class, and resource files into a system-generated database table, then uses the SQL CREATE JAVA {SOURCE | CLASS | RESOURCE} statement to load the Java files into the Oracle database.

**Which version of ojdbc should i use with Oracle 19c?** Oracle 19c requires ojdbc8. jar or a later version compatible with JDK 8 or above. Don't use ojdbc14, it's for JDK 1.4.

**Which is the preferred JDBC driver type for Oracle?** If you are accessing one type of database, such as Oracle, Sybase, or IBM, the preferred driver type is type-4. If your Java application is accessing multiple types of databases at the same time, type 3 is the preferred driver.

**What version of Java is compatible with Oracle 19c?** Oracle Database 19c is certified with JDK 8 and later versions. It's advisable to use a more recent version of JDK, such as JDK 8, JDK 11, or a higher version, to ensure compatibility, security, and access to the latest features and improvements.

**What JDBC version is compatible with Oracle 21c?** In Oracle Database 21c, all the JDBC drivers are compatible with JDK 8, JDK 11, JDK 12, JDK 13, JDK 14, and JDK 15, and the ojdbc8.

**What is the win without pitching summary?** This compelling manifesto dispels the myth that companies must engage in the dreaded pitching process in order to gain customers. By encouraging business owners and entrepreneurs to value their knowledge, their time, and their worth, Enns dares to challenge the current quo.

**What are the steps in win without pitching?** They are: 1 Diagnose the problem, 2 Prescribe a strategy or solution, 3 Implement the strategy, and 4 Ongoing re-implementation as necessary. The value you deliver, and therefore the margin you should command, is highest at the beginning of the relationship and declines steadily as you progress through the phases.

**How to sell without pitching manifesto?**

**What is the golden rule of pitching?**

**How do you explain pitching wins?** In Major League Baseball, the winning pitcher is defined as the pitcher who last pitched prior to the half-inning when his team maintains the lead that it never relinquishes. There are two exceptions to this rule. The first is that a starting pitcher must complete a minimum of five innings to earn a win.

**What are the 5 steps of pitching?**

**Can a starter get a win without pitching 5 innings?** First, a starting pitcher must pitch at least five innings (in a traditional game of nine innings or longer) to qualify for the win. If he does not, the official scorer awards the win to the most effective relief pitcher.

**What are the 10 steps of pitching?**

**How do you pitch and sell an idea?**

**What is the 10 20 30 rule of pitching?** To save the venture capital community from death-by-PowerPoint, he evangelized the 10/20/30 rule for presentations which states that “a presentation should have ten slides, last no more than twenty minutes, and contain no font smaller than thirty points.”

**What is the no pitch rule?** A no pitch is an umpire's ruling in baseball or softball in which a pitch thrown by a pitcher is neither a ball nor a strike. This is typically the umpire's call whenever the pitcher released the ball after the umpire called timeout. However, there are other instances in which this can be called.

**What is the 45 degree rule in pitching?** Picture a line on a 45-degree angle shooting out from the pitcher's grounded left foot; if he or she is throwing to first, their right foot must land on the left side of that line. If they're throwing home, that foot must land on the right side of the line.

**What does H stand for in baseball?** Hit (H) Home Run (HR) Intentional Walk (IBB) Left On Base (LOB)

**What does bf mean in baseball?** Definition. Batters faced is simply a count of the number of total plate appearances against a certain pitcher or team. In a perfect game -- with 27 outs -- a pitcher will record 27 batters faced. Batters faced can often be used as a reference for in-game strategy.

**What is a blown save in baseball?** A blown save occurs when a relief pitcher enters a game in a save situation, but allows the tying run to score. The run does not have to be charged to that pitcher. If a reliever enters with a man already on third base, and he allows that runner to score the tying run, he is charged with a blown save.

## **What is the key to successful pitching?**

**What is pitching strategy?** Pitching Strategy: An advanced pitcher will understand their opponent and throw a different type of pitch, whether it be speed pitches (fast balls), breaking balls (sliders) or changeups. Reading the batter and making adjustments based on their tendencies is crucial.

**What is the formula for pitching?** ERA is the most commonly accepted statistical tool for evaluating pitchers. The formula for finding ERA is:  $9 \times \text{earned runs} / \text{innings pitched}$ . If a pitcher exits a game with runners on base, any earned runs scored by those runners will count against him. ERA should be an ideal evaluation of pitchers.

**What qualifies a pitcher for a win?** W – Win | a pitcher receives a win when he is the pitcher of record when his team takes the lead for good — with a couple rare exceptions. First, a starting pitcher must pitch at least five innings (in a traditional game of nine innings or longer) to qualify for the win.

**What is a good whip in baseball?** In general, a good WHIP for a pitcher is around 1.00 or lower. This means that on average, the pitcher allows one base runner or less per inning. The lower the WHIP, the better the pitcher is at keeping opposing batters off the bases and minimizing scoring opportunities for the opposing team.

**What does IP mean in baseball?** Definition. Innings pitched measures the number of innings a pitcher remains in a game. Because there are three outs in an inning, each out recorded represents one-third of an inning pitched.

**What are the 5 Ps of pitching?** In summary, impressing angel investors revolves around the five Ps: pitch, presentation, proof, price, and passion. – Craft a compelling pitch that clearly conveys the problem and solution. – Create a captivating presentation that highlights your core product and its differentiation.

**Why do pitchers stop at 100 pitches?** The pitcher wants to keep the pitch count low to maintain their stamina. Often a starting pitcher will be removed from the game after 100 pitches, regardless of the actual number of innings pitched, as it is reckoned to be the maximum optimal pitch count for a starting pitcher.

## **What is the pitching sequence strategy?**

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## **Textbook Evaluation Instrument Based on the ACTFL Standards**

Educators seeking to enhance language learning outcomes through textbook selection require a comprehensive evaluation instrument. A well-designed instrument, grounded in the ACTFL Standards for Foreign Language Learning, can effectively guide textbook assessments and improve instructional practices.

### **1. Assessment of Standards-Alignment:**

The instrument should assess the textbook's alignment with the ACTFL Standards, specifically the Communication, Cultures, Connections, Comparisons, and Communities strands. It should evaluate how effectively the textbook addresses skills such as speaking, listening, reading, and writing, as well as its inclusion of cultural diversity and global perspectives.

### **2. Cultural Authenticity and Sensitivity:**

The instrument should evaluate the textbook's cultural authenticity and sensitivity. It should examine the representation of different cultures, the accuracy of cultural information, and the avoidance of stereotypes or biases. Cultural authenticity enhances students' understanding of diverse perspectives and promotes intercultural competence.

### **3. Language Proficiency Development:**

The instrument should assess the textbook's potential to develop language proficiency. It should evaluate the use of authentic materials, the scaffolding provided for language acquisition, and the opportunities for students to interact with the language in meaningful ways. Language proficiency is the ultimate goal of language learning, and textbooks should support its development.

### **4. Pedagogical Approaches and Activities:**

The instrument should evaluate the pedagogical approaches and activities used in the textbook. It should assess the variety of learning strategies employed, the inclusion of differentiated instruction, and the use of technology. Effective pedagogical approaches engage students and facilitate language acquisition.

## 5. Supplementary Materials and Support:

The instrument should consider the availability and quality of supplementary materials and support provided by the textbook. It should evaluate the availability of online resources, such as audio-visual materials, interactive exercises, and teacher's guides. Supplementary materials can enhance student learning and provide additional support for instruction.

In conclusion, a textbook evaluation instrument based on the ACTFL Standards provides educators with a comprehensive framework for assessing the alignment, cultural authenticity, language proficiency development, pedagogical approaches, and supplemental materials of language textbooks. By utilizing such an instrument, educators can make informed decisions that support language learning outcomes and enhance the quality of instruction.

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