

Cryptocurrencies as an alternative to traditional currencies

Author: .Gaelle Fouad Youssef¹

*Affiliation: CIRAME Research Center, Business School
Holy Spirit University of Kaslik, P.O Box 446, Jounieh, Lebanon*

Abstract:

that despite the innovativeness and effectiveness of cryptocurrencies, they are not stable and trusted. Therefore, they are not yet prepared to completely do away with conventional currencies. Rather, they tend to co-exist with them.

Altogether, cryptocurrencies are a significant development in the financial evolution, yet their potential as an alternative is not as significant yet.

Keywords:

Financial innovation, Cryptocurrencies, Fiat currencies, Blockchain technology.

Introduction: "The What & Why"

The financial system is evolving more than ever before especially due to the influence of technology in the modern world. The emergence of cryptocurrencies such as Bitcoin and Ethereum is one of the largest shifts. These online currencies are highly dissimilar to conventional money since they are not regulated by governments or central banks. Rather, they look to the decentralized systems and many may question whether they can substitute the money that we have today.

Conventional currencies have been key to the economy. They are applied in measuring value, saving money, and in buying goods. They are regulated by governments to maintain the economy and to control inflation. Inflation, economic crisis and inaccessibility to banking services (Mawad & Freiha, 2024) being an issue have however raised questions on how much they can rely on these systems.

This is where cryptocurrencies enter in. They also come with new functions that include transparency, security and the possibility of moving money across the borders at very high speed and at very low cost. Due to this fact, they are regarded as the future of money by many people. However, cryptocurrencies are not perfect. Their prices are subject to rapid adjustments making them risky. They are also unaccepted by many businesses and states are yet to determine how to control them.

Therefore, the primary question of the current paper is: will cryptocurrencies ever be able to substitute the traditional currencies or will they coexist with them?

In order to answer this, the study is based on:

Cryptocurrencies in comparison with traditional currencies.

Determining whether cryptocurrencies can carry out the role of money.

Looking at their advantages and disadvantages.

Realizability of the part played by regulation.

Making decisions regarding their ability to substitute or simply complement traditional systems.

Literature Review: "The story so far "

Money has never been deprived of its three primary roles that include; it serves to purchase, to quantify value and to hold wealth. Conventional currencies or fiat money are those that are managed by governments, and have been predominant in this form of money over the many years. They are trusted by people due to the support of stable institutions.

On the other hand, cryptocurrencies are a novel form of money. The first example was Bitcoin that was developed in 2008. It brought about the concept of a currency that is not governed by anybody. Instead, it uses blockchain technology to record and verify transactions. Moreover, Bitcoin is not inexhaustible, unlike conventional money, which can be printed by the governments (Kamel et al., 2025).

B- Effectiveness, Risk, and Adoption

Studies indicate that cryptocurrencies have their advantages and disadvantages. They are quicker and cheaper in carrying out transactions, particularly in international payments on the positive side. They also have the ability to assist individuals that lack access to banks.

Nevertheless, significant risks exist as well. Cryptocurrencies are highly volatile (Beainy & Kamel, 2025), and this implies that the prices of these currencies can rise and fall within a short period. This renders them untrustworthy as a store of value. Moreover, the regulations concerning

cryptocurrencies differ in various countries, and this poses a challenge (Subrahmanyam et al., 2024).

The majority of research works concludes that the cryptocurrencies are utilized now more as investment resources rather than currencies. Nevertheless, most of the researchers do not think that they will be any more significant in the future provided that these problems are resolved.

Methodology: "The how we did it "

In this study, the qualitative and comparative method is employed to comprehend the distinction between cryptocurrencies and traditional ones. It does not gather new information but bases its findings on the available information in the scholarly articles, financial reports and credible sources such as the World Bank and IMF.

The study has compared the two forms of currencies on the basis of some key aspects including stability, usability, security and regulation. It also examines actual cases such as Bitcoin and Ethereum to know how cryptocurrencies are applied in the real world.

Moreover, the research question that the cryptocurrencies can fulfill the three primary functions of money: a medium of exchange, a store of value, and a unit of account.

This approach provides a concise and in-depth insight into the subject by allowing the interplay of theory and practical examples.

Results: "The facts "

The findings indicate that there are evident discrepancies between cryptocurrencies and traditional currencies.

To begin with, cryptocurrencies are far more unstable as compared to conventional currencies. Their prices are highly volatile and change very fast and hence unstable.

Second, cryptocurrencies are more effective when it comes to international transactions. They enable the transfer to be faster at reduced costs than banks.

Third, although the use of cryptocurrencies has increased, they are yet to be used in common payments. Majority of the population still favors traditional money.

Fourth, laws vary by country and this poses uncertainty and slows down adoption.

In general, the results indicate that currently, cryptocurrencies are more utilized as an investment rather than spending.

Discussion and conclusion: "The so what ? "

This paper has examined the possibility of cryptocurrencies to substitute conventional currencies. The findings indicate that despite the numerous benefits of the cryptocurrencies, there are critical constraints.

The main conclusions are:

At the current stage, cryptocurrencies cannot completely substitute the traditional currencies.

They are primarily held in the form of investment assets and not in terms of real money.

Traditional currencies are still more stable and widely accepted.

Even though cryptocurrencies may not be considered a replacement, they can be helpful in the form of a complement, particularly in digital payments.

Their future development will highly depend on regulation.

To sum up, cryptocurrencies are a significant innovation in the financial sector, but they are not allowed to replace the traditional currencies yet. Both systems will probably coexist in the future with each having a dissimilar role in the global economy.

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