|  |  |
| --- | --- |
| **Section 1: Publication Details** | **Section 2: Technical Details** |
| **Paper 1:** Takuma TAKEUCHI, Toshiya SHIMIZU, Ken KAMAKURA, Takeshi SHIMOYAMA, Hiroshi TSUDA (2017) - 23rd Annual Conference on Advanced Computing and Communications (ADCOM) | **Algorithms Used:** Extended Open Assets Protocol, Blockchain verification algorithm, VTLUA (Verify Transactions with Limited Use Assets), Bitcoin script validation, Colored Coins protocol  **Dataset Used:** Bitcoin blockchain transactions, Colored Coins transactions, Digital currency payment data  **Performance Metrics:** Transaction validation time, Block generation time, Protocol efficiency, Asset usage compliance rate |
| **Paper 2:** EJ CHO, GEORGE JENSEN, YONGMIN YOO, ANIKET MAHANTI, JONG-KYOU KIM (2023) - IEEE Access | **Algorithms Used:** Linear Discriminant Analysis (LDA), Lavalette Rank function, Power Law analysis, Cumulative Distribution Function analysis  **Dataset Used:** OpenSea NFT transactions January 2022, OpenSea NFT transactions June 2022, Ethereum blockchain data  **Performance Metrics:** R² values (minimum 0.9432), F-statistics, Cumulative Distribution Function (CDF), Resale return calculations, Market correlation measures |

|  |  |
| --- | --- |
| **Paper 3:** K. Vasan, M. Janosov, A.-L. Barabási (2022) - Scientific Reports | **Algorithms Used:** Network analysis, Graph theory, Social network analysis, Community detection algorithms  **Dataset Used:** Foundation platform NFT data, Twitter social network data, Artist invitation networks  **Performance Metrics:** Gini coefficient, Network centrality measures, Correlation analysis, Community segregation metrics |
| **Paper 4:** M. Nadini, L. Alessandretti, F. Di Giacinto, M. Martino, L. M. Aiello, A. Baronchelli (2021) - Scientific Reports | **Algorithms Used:** Zipf distribution analysis, Power law analysis, Network analysis, Predictive modeling  **Dataset Used:** NFT transaction data June 2017 - April 2021, Multiple blockchain platforms, Visual feature data  **Performance Metrics:** Power law exponents, Network topology metrics, Price prediction accuracy, Market trend analysis |
| **Paper 5:** B. White, A. Mahanti, K. Passi (2022) - Web Conference Companion | **Algorithms Used:** Laherrere distribution, Network analysis, Statistical analysis, Graph theory  **Dataset Used:** OpenSea NFT marketplace data, User behavior patterns, Transaction networks  **Performance Metrics:** Distribution fitting metrics, Market participation frequency, Revenue distribution analysis, Network assortativity measures |
| **Paper 6:** M. Dowling (2022) - Finance Research Letters | **Algorithms Used:** Pricing model analysis, Market efficiency testing, Statistical modeling  **Dataset Used:** LAND NFT pricing data, Virtual real estate transactions  **Performance Metrics:** Market efficiency measures, Price volatility, Pricing accuracy, Market anomaly detection |
| **Paper 7:** X.-J. Jiang, X. F. Liu (2021) - Frontiers in Physics | **Algorithms Used:** Network analysis, Time series analysis, Gini coefficient calculation, Temporal evolution modeling  **Dataset Used:** CryptoKitties transaction data, Game-based NFT transactions  **Performance Metrics:** Network assortativity, Gini coefficient values, Temporal evolution metrics, Player participation patterns |
| **Paper 8:** L. Ante (2022) - Economics of Innovation and New Technology | **Algorithms Used:** Cointegration analysis, Granger causality test, Time series analysis  **Dataset Used:** Multiple NFT marketplace data, Ethereum blockchain data, Cross-platform transaction data  **Performance Metrics:** Cointegration test results, Granger causality coefficients, Market correlation measures, Cross-platform relationships |
| **Paper 9:** L. Ante (2022) - FinTech | **Algorithms Used:** Correlation analysis, Granger causality analysis, Time series modeling  **Dataset Used:** NFT market data, Bitcoin price data, Ethereum price data  **Performance Metrics:** Correlation coefficients, Causality test statistics, Market relationship strength, Price interdependence measures |
| **Paper 10:** M. Fazli, A. Owfi, M. R. Taesiri (2021) - arXiv preprint | **Algorithms Used:** Auction analysis, Behavioral analysis, Statistical modeling, Pattern recognition  **Dataset Used:** Foundation NFT auction data, Bidding behavior patterns  **Performance Metrics:** Auction success rates (36.10% primary, 3.97% secondary), Behavioral pattern analysis, Listing-relisting frequencies (41% within 1 hour), Price formation dynamics |
| **Paper 11:** S. Casale-Brunet, P. Ribeca, P. Doyle, M. Mattavelli (2021) - IEEE International Conference on Blockchain | **Algorithms Used:** Graph-based analysis, Network topology analysis, Power law analysis, Degree distribution analysis  **Dataset Used:** ERC-721 NFT ecosystem data, Ethereum blockchain data, Token transfer networks  **Performance Metrics:** Network degree distribution, Power law fitting, Graph topology metrics, Market participant connectivity |
| **Paper 12:** M. Franceschet, G. Colavizza, T. Smith, B. Finucane, M. L. Ostachowski, S. Scalet, J. Perkins, J. Morgan, S. Hernández (2021) - Leonardo | **Algorithms Used:** Decentralized analysis, Market analysis, Statistical analysis, Trend analysis  **Dataset Used:** Crypto art market data, NFT transaction records, Art market comparisons  **Performance Metrics:** Market share analysis, Price trend analysis, Adoption metrics, Market maturity indicators |
| **Paper 13:** I. Yousaf, L. Yarovaya (2022) - Finance Research Letters | **Algorithms Used:** Quantile regression, Volatility analysis, Return calculation, Asymmetric spillover analysis  **Dataset Used:** NFT trading volume data, Price volatility data, Market sentiment indicators  **Performance Metrics:** Volatility measures, Return calculations, Quantile regression coefficients, Spillover effect measurements |
| **Paper 14:** C. Pinto-Gutiérrez, S. Gaitán, D. Jaramillo, S. Velasquez (2022) - Mathematics | **Algorithms Used:** Attention analysis, Correlation analysis, Search trend analysis, Social media mining  **Dataset Used:** Google search data, NFT market data, Social media data  **Performance Metrics:** Correlation coefficients, Search volume metrics, Attention measures, Social sentiment scores |
| **Paper 15:** A. Kapoor, D. Guhathakurta, M. Mathur, R. Yadav, M. Gupta, P. Kumaraguru (2022) - Web Conference Companion | **Algorithms Used:** Social media analysis, Influence measurement, Valuation modeling, Sentiment analysis  **Dataset Used:** Twitter data, NFT valuation data, Social media metrics  **Performance Metrics:** Influence scores, Valuation accuracy, Social media correlation, Engagement metrics |
| **Paper 16:** A.-L. Barabási (2021) - The New York Times | **Algorithms Used:** Network analysis, Market analysis, Statistical analysis, Complex systems modeling  **Dataset Used:** Art market data, NFT transaction data, Traditional vs digital art markets  **Performance Metrics:** Market structure analysis, Network connectivity, Transaction flow analysis, Market evolution patterns |