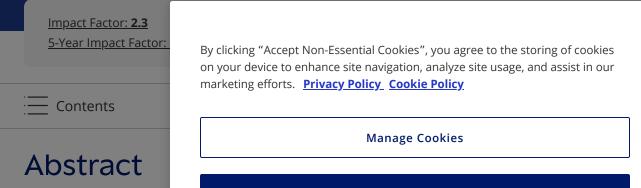
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backwards. Algorithms are software codes coding practices in an IT significant 'textual' device, designed to replicate trading patterns. To be accepted, however, they need to comply with regulatory texts, which are nothing else but codes of conduct coding accepted practices in the markets. In this article, I draw on ethnographic fieldwork in order to open these black boxes, while trying to describe their existence as devices encapsulating several points of views. I address the question of a possible misalignment between those visions, and more specifically try to draw the consequences raised by such discrepancies as regards the future of financial regulation.

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References

Abolafia M (1996) *Making Markets: Opportunism and Restraint on Wall Street*. Cambridge, MA: Harvard University Press.

Google Scholar

Alloway T. (2009) 'The Cold War in High Frequency Trading', 8 July, http://ftalphaville.ft.com/blog/2009/07/08/60761/the-cold-war-in-high-frequency-trading/ (accessed 5 March 2010).

Google Scholar

Autorité des Marchés Financiers [AMF] (2009) Key Issues Arising from the Emergence of Dark Pools and Crossing Networks: Press Backgrounders, 20 October. Paris: AMF.

Google Scholar

Berenson A. (2009) 'Arrest Over Software Illuminates Wall St. Secret', New York Times 23 August).

Google Scholar

Beunza D. (2010) 'Political Economists Denounce Social Studies of Finance for Overlooking the Political', blog post dated 21 May 2010. Available at: http://socfinance.wordpress.com.

Google Scholar

Beunza D, Stark D (2004) 'Tools of the Trade: The Socio-technology of Arbitrage in a Wall Street Trading Room', *Industrial and Corporate Change*', 13(2): 369–400.

Crossref

Web of Science

Google Scholar

Beunza D., Muniesa F. (2005) 'Listening to the Spread Plot', in Latour B., Weibel P. (eds) *Making Things Public: Atmospheres of Democracy*. Cambridge, MA: MIT Press.

Google Scholar

Beunza D, Hardie I, MacKenzie D (2006) 'A Price Is a Social Thing: Towards a Material Sociology of Arbitrage', *Organization Studies*', 27(5): 721–745.

Crossref

Web of Science

Google Scholar

Bookstaber R. (2009) 'The Arms Race in High Frequency Trading', 21 April, http://rick.bookstaber.com/2 009/04/arms-race-in-high-frequency-trading.html (accessed 5 March 2010).

Google Scholar

Callon M, Muniesa F (2005) 'Economic Markets as Calculative Collective Devices', *Organization Studies*', 26(8): 1229–1250.

Crossref

Web of Science

Google Scholar

Callon M, Millo Y, Muniesa F (2007) Market Devices. London: Blackwell.

Google Scholar

Casey J-P, Lanoo K (2009) The MiFID Revolution. Cambridge: Cambridge University Press.

Crossref

Google Scholar

Chaboud A., Chiquoine B., Hjalmarsson E., Vega C. (2009 'Rise of the Machines: Algorithmic Trading in the Foreign Exchange Market', *International Finance Discussion Papers*, No. 980, October. Washington, DC: Board of Governors of the Federal Reserve System.

Google Scholar

Circuit Court of Illinois (2009 Citadel Investment Group LLC vs Teza Technologies, LLC, et al., Memorandum Opinion and Order, No 09 CH 22478, 16 October.

Google Scholar

Deutsche Börse (2009 Exchange Rules for the Frankfurter Wertpapierbörse, FWB1 updated 3 August, http://deutsche-boerse.com (accessed 25 September 2009).

Google Scholar

Domowitz I, Wang J (1994) 'Auctions as Algorithms. Computerized Trade Execution and Price Discovery', *Journal of Economic Dynamics and Control*', 18: 29–60.

Crossref

Web of Science

Google Scholar

European Union (2004 Directive 2004/39/EC of the European Parliament and of the Council of 21 April 2004 on markets in financial instruments amending Council Directives 85/611/EEC and 93/6/EEC and Directive 2000/12/EC of the European Parliament and of the Council and repealing Council Directive 93/22/EEC. Brussels: European Commission.

Google Scholar

European Union (2006 Commission Directive 2006/73/EC of 10 August 2006 implementing Directive 2004/39/EC of the European Parliament and of the Council as regards organisational requirements and operating conditions for investment firms and defined terms for the purposes of that Directive. Brussels: European Commission.

Google Scholar

Fligstein N (2001) *The Architecture of Markets: An Economic Sociology of Twenty-First Century Capitalist Societies*. Princeton: Princeton University Press.

Crossref

Google Scholar

Jeffs L (2009) 'Algorithmic Trading Comes of Age', Financial News August 24).

Google Scholar

Lash S (2001) 'Technological Forms of Life', Theory, Culture & Society', 18(1): 105–120.

Crossref

Web of Science

Google Scholar

Latour B (1987) *Science in Action: How to Follow Scientists and Engineers through Society*. Cambridge, MA: Harvard University Press.

Google Scholar

Latour B (2002) 'Morality and Technology. The End of Means', *Theory, Culture & Society*', 19(5/6): 247–260.

Crossref

Web of Science

Google Scholar

Lee R (1998) What is an Exchange? The Automation, Management, and Regulation of Financial Markets. Oxford: Oxford University Press.

Google Scholar

Leinweber D (2009) *Nerds on Wall Street. Math, Machines and Wired Markets*. Hoboken, NJ: John Wiley & Sons.

Google Scholar

MacKenzie D. (2005) 'How a Super-portfolio Emerges: Long-Term Capital Management and the Sociology of Arbitrage', in Knorr Cetina K., Preda A. (eds) *The Sociology of Financial Markets*. Oxford: Oxford University Press.

Google Scholar

MacKenzie D (2006) *An Engine, Not a Camera: How Financial Models Shape Markets*. Cambridge, MA: MIT Press.

Crossref

Google Scholar

MacKenzie D (2009) *Material Markets. How Economic Agents Are Constructed*. Oxford: Oxford University Press.

Google Scholar

Millo Y. (2007) 'Making Things Deliverable: The Origins of Index-based Derivatives', in Callon M., Millo Y., Muniesa F. (eds) *Market Devices*. London: Blackwell.

Crossref

Google Scholar

Muniesa F. (2003 Des marchés comme algorithmes: sociologie de la cotation électronique à la Bourse de Paris (unpublished PhD thesis). Paris: Ecole des Mines de Paris.

Google Scholar

Muniesa F. (2008) 'Trading Room Telephones and the Identification of Counterparts', in Pinch T., Swedberg R. (eds) *Living in a Material World: Economic Sociology Meets Science and Technology*. Cambridge, MA: MIT Press.

Crossref

Google Scholar

Preda A (2006) 'Socio-technical Agency in Financial Markets: The Case of the Stock Ticker', *Social Studies of Science*', 36(5): 753–782.

Crossref

Web of Science

Google Scholar

Rosen M. (2009) 'Black Box or Tool Box: Changing Technologies for Evolving Marketplaces', in Bruce B. (eds) *Liquidity II: A Guide to Global Liquidity*. New York: Institutional Investor.

Google Scholar

Simon M., Morgan C. (2007) 'The Algorithmic Revolution – What It Is, Who's in It and Where Is It Heading?', in Lee J. (eds) *Algorithmic Trading: A Buy-side Handbook*. London: The Trade.

Google Scholar

Smith C (2007) 'Markets as Definitional Practices', Canadian Journal of Sociology', 32(1): 1–39.

Crossref

Web of Science

Google Scholar

Southern District of New York (2009 United States of America vs Sergey Aleynikov, Violations of 18 U.S.C. §§ 1832 (a)(2), 2314, & 2, 4 July.

Google Scholar

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