

Search



Home > Innovative Approaches in Agent-Based Modelling and Business Intelligence > Chapter

U-Mart: 20-Year Experience of an Artificial Market Study

| Chapter | First Online: 08 December 2018

pp 111–121 | Cite this chapter



Innovative Approaches in Agent-Based Modelling and Business

ممصمونالمهما

Your privacy, your choice

We use essential cookies to make sure the site can function. We, and our 93 **partners**, also use optional cookies and similar technologies for advertising, personalisation of content, usage analysis, and social media.

By accepting optional cookies, you consent to allowing us and our partners to store and access personal data on your device, such as browsing behaviour and unique identifiers. Some third parties are outside of the European Economic Area, with varying standards of data protection. See our **privacy policy** for more information on the use of your personal data. Your consent choices apply to nature.com and applicable subdomains.

You can find further information, and change your preferences via 'Manage preferences'. You can also change your preferences or withdraw consent at any time via 'Your privacy choices', found in the footer of every page.

We use cookies and similar technologies for the following purposes:

- > Store and/or access information on a device
- Personalised advertising and content, advertising and content measurement, audience research and services development

Accept all cookies

Reject optional cookies

paper shows the experience of 20-year study of the artificial market and discusses its future.

8

This is a preview of subscription content, <u>log in via an institution</u> 2 to check access.

Access this chapter

Log in via an institution \rightarrow

Subscribe and save

Springer+

from €37.37 /Month

Your privacy, your choice

We use essential cookies to make sure the site can function. We, and our 93 **partners**, also use optional cookies and similar technologies for advertising, personalisation of content, usage analysis, and social media.

By accepting optional cookies, you consent to allowing us and our partners to store and access personal data on your device, such as browsing behaviour and unique identifiers. Some third parties are outside of the European Economic Area, with varying standards of data protection. See our **privacy policy** for more information on the use of your personal data. Your consent choices apply to nature.com and applicable subdomains.

You can find further information, and change your preferences via 'Manage preferences'. You can also change your preferences or withdraw consent at any time via 'Your privacy choices', found in the footer of every page.

We use cookies and similar technologies for the following purposes:

Store and/or access information on a device

Personalised advertising and content, advertising and content measurement, audience research and services development

Accept all cookies

Reject optional cookies

- Dispatched in 3 to 5 business days
 Free shipping worldwide see info
 Buy Hardcover Book →
 - Tax calculation will be finalised at checkout

Purchases are for personal use only

<u>Institutional subscriptions</u> →

Similar content being viewed by others







Your privacy, your choice

We use essential cookies to make sure the site can function. We, and our 93 **partners**, also use optional cookies and similar technologies for advertising, personalisation of content, usage analysis, and social media.

By accepting optional cookies, you consent to allowing us and our partners to store and access personal data on your device, such as browsing behaviour and unique identifiers. Some third parties are outside of the European Economic Area, with varying standards of data protection. See our **privacy policy** for more information on the use of your personal data. Your consent choices apply to nature.com and applicable subdomains.

You can find further information, and change your preferences via 'Manage preferences'. You can also change your preferences or withdraw consent at any time via 'Your privacy choices', found in the footer of every page.

We use cookies and similar technologies for the following purposes:

Store and/or access information on a device

Personalised advertising and content, advertising and content measurement, audience research and services development

Accept all cookies

Reject optional cookies

References

Arthur WB, Holland JH, LeBaron B, Palmer R, Tayler P (1996) Asset pricing under endogenous expectations in an artificial stock market. Technical report, Santa Fe Institute

Google Scholar

Gilbert N (2008) Agent-based models. Sage Publications, Thousand Oaks

Book Google Scholar

Hey T, Tansley S, Tolle K (eds) (2009) The fourth paradigm: data-intensive scientific discovery. Microsoft Research, Redmond

Your privacy, your choice

We use essential cookies to make sure the site can function. We, and our 93 **partners**, also use optional cookies and similar technologies for advertising, personalisation of content, usage analysis, and social media.

By accepting optional cookies, you consent to allowing us and our partners to store and access personal data on your device, such as browsing behaviour and unique identifiers. Some third parties are outside of the European Economic Area, with varying standards of data protection. See our **privacy policy** for more information on the use of your personal data. Your consent choices apply to nature.com and applicable subdomains.

You can find further information, and change your preferences via 'Manage preferences'. You can also change your preferences or withdraw consent at any time via 'Your privacy choices', found in the footer of every page.

We use cookies and similar technologies for the following purposes:

Store and/or access information on a device

Personalised advertising and content, advertising and content measurement, audience research and services development

Accept all cookies

Reject optional cookies

Google Scholar

Nakajima Y, Shozawa Y (2004) Usefulness and feasibility of market maker in a thin market. In: Proceedings of the international conference on experiments in economic sciences, pp 1000–1003

Google Scholar

Ono I, Sato H, Mori N, Nakajima Y, Matsui H, Koyama Y, Kita H (2008) U-Mart system: a market simulator for analyzing and designing institutions. Evol Inst Econ Rev 5(1):63–80

Article Google Scholar

Your privacy, your choice

We use essential cookies to make sure the site can function. We, and our 93 **partners**, also use optional cookies and similar technologies for advertising, personalisation of content, usage analysis, and social media.

By accepting optional cookies, you consent to allowing us and our partners to store and access personal data on your device, such as browsing behaviour and unique identifiers. Some third parties are outside of the European Economic Area, with varying standards of data protection. See our **privacy policy** for more information on the use of your personal data. Your consent choices apply to nature.com and applicable subdomains.

You can find further information, and change your preferences via 'Manage preferences'. You can also change your preferences or withdraw consent at any time via 'Your privacy choices', found in the footer of every page.

We use cookies and similar technologies for the following purposes:

Store and/or access information on a device

Personalised advertising and content, advertising and content measurement, audience research and services development

Accept all cookies

Reject optional cookies

The U-Mart is a collaborative study for long years, and the author expresses his sincere gratitude to Dr. Yoshinori Shiozawa, Dr. Takao Terano, Dr. Hiroshi Deguchi, and Dr. Hiroshi Sato as cofounders of the study and Dr. Isao Ono, Dr. Naoki Mori, Dr. Yoshihiro Nakajima, Dr. Yusuke Koyama, Dr. Hiroyuki Matsui, Dr. Kazuhisa Taniguchi, and Dr. Yuji Aruka who contributed to this study as core members. The author also thanks to all the researchers and students who contributed to the U-Mart.

Author information

Authors and Affiliations

Institute for Liberal Arts and Sciences, Kyoto University, Kyoto, Japan Hajime Kita

Your privacy, your choice

We use essential cookies to make sure the site can function. We, and our 93 **partners**, also use optional cookies and similar technologies for advertising, personalisation of content, usage analysis, and social media.

By accepting optional cookies, you consent to allowing us and our partners to store and access personal data on your device, such as browsing behaviour and unique identifiers. Some third parties are outside of the European Economic Area, with varying standards of data protection. See our **privacy policy** for more information on the use of your personal data. Your consent choices apply to nature.com and applicable subdomains.

You can find further information, and change your preferences via 'Manage preferences'. You can also change your preferences or withdraw consent at any time via 'Your privacy choices', found in the footer of every page.

We use cookies and similar technologies for the following purposes:

Store and/or access information on a device

Personalised advertising and content, advertising and content measurement, audience research and services development

Accept all cookies

Reject optional cookies

About this chapter

Cite this chapter

Kita, H. (2018). U-Mart: 20-Year Experience of an Artificial Market Study. In: Kurahashi, S., Takahashi, H. (eds) Innovative Approaches in Agent-Based Modelling and Business Intelligence. Agent-Based Social Systems, vol 12. Springer, Singapore. https://doi.org/10.1007/978-981-13-1849-8 9

.RIS业 .ENW业 .BIB业

DOI Published Publisher Name

https://doi.org/10.1007/978-981- 08 December 2018 Springer, Singapore

13-1849-8_9

Your privacy, your choice

We use essential cookies to make sure the site can function. We, and our 93 **partners**, also use optional cookies and similar technologies for advertising, personalisation of content, usage analysis, and social media.

By accepting optional cookies, you consent to allowing us and our partners to store and access personal data on your device, such as browsing behaviour and unique identifiers. Some third parties are outside of the European Economic Area, with varying standards of data protection. See our **privacy policy** for more information on the use of your personal data. Your consent choices apply to nature.com and applicable subdomains.

You can find further information, and change your preferences via 'Manage preferences'. You can also change your preferences or withdraw consent at any time via 'Your privacy choices', found in the footer of every page.

We use cookies and similar technologies for the following purposes:

Store and/or access information on a device

Personalised advertising and content, advertising and content measurement, audience research and services development

Accept all cookies

Reject optional cookies

Track your research

Your privacy, your choice

We use essential cookies to make sure the site can function. We, and our 93 **partners**, also use optional cookies and similar technologies for advertising, personalisation of content, usage analysis, and social media.

By accepting optional cookies, you consent to allowing us and our partners to store and access personal data on your device, such as browsing behaviour and unique identifiers. Some third parties are outside of the European Economic Area, with varying standards of data protection. See our **privacy policy** for more information on the use of your personal data. Your consent choices apply to nature.com and applicable subdomains.

You can find further information, and change your preferences via 'Manage preferences'. You can also change your preferences or withdraw consent at any time via 'Your privacy choices', found in the footer of every page.

We use cookies and similar technologies for the following purposes:

Store and/or access information on a device

Personalised advertising and content, advertising and content measurement, audience research and services development

Accept all cookies

Reject optional cookies