

| | |
|------------------|---|
| Title | Computational analysis of the world's music |
| Sub Title | |
| Author | Savage, Patrick |
| Publisher | 慶應義塾大学 |
| Publication year | 2022 |
| Jtitle | 学事振興資金研究成果実績報告書 (2020.) |
| JaLC DOI | |
| Abstract | <p>Thanks to the support of the Keio Gijuku Academic Development Fund, we were able to successfully carry out our proposed research, publish original research, and give presentations at international conferences.</p> <p>Specifically, the fund allowed us to perform research that we published in high-impact peer-reviewed journals (e.g., Behavioral and Brain Sciences) and conference proceedings (e.g., Proceedings of the International Society for Music Information Retrieval). We have also had 8 abstracts accepted for presentation at the 2021 International Conference on Music Perception and Cognition.</p> <p>Our major findings were that automated analyses reveal cross-cultural variation and similarities in the world's music that can help us understand how and why music evolved. We obtained these findings using new methods from computer science and cognitive science to analyze and compare melodies, rhythms, timbre, and other aspects of music.</p> <p>In the future we hope to build on these results to apply these techniques at larger scales. Based on our success during FY2020, I am optimistic that next year we will be in a good position to extend and publish the results of this year's research. We are grateful for the financial support of the Keio Gijuku Academic Development Fund.</p> |
| Notes | |
| Genre | Research Paper |
| URL | https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=2020000008-20200168 |

慶應義塾大学学術情報リポジトリ(KOARA)に掲載されているコンテンツの著作権は、それぞれの著作者、学会または出版社/発行者に帰属し、その権利は著作権法によって保護されています。引用にあたっては、著作権法を遵守してご利用ください。

The copyrights of content available on the Keio Associated Repository of Academic resources (KOARA) belong to the respective authors, academic societies, or publishers/issuers, and these rights are protected by the Japanese Copyright Act. When quoting the content, please follow the Japanese copyright act.

| | | | | | | |
|---|--|---|--------------------------|----------------|-----|------------|
| 研究代表者 | 所属 | 環境情報学部 | 職名 | 特任准教授(有期) | 補助額 | 300 (A) 千円 |
| | 氏名 | サベジ パトリック | 氏名 (英語) | Patrick Savage | | |
| 研究課題 (日本語) | | | | | | |
| Computational analysis of the world's music | | | | | | |
| 研究課題 (英訳) | | | | | | |
| Computational analysis of the world's music | | | | | | |
| 1. 研究成果実績の概要 | | | | | | |
| <p>Thanks to the support of the Keio Gijuku Academic Development Fund, we were able to successfully carry out our proposed research, publish original research, and give presentations at international conferences.</p> <p>Specifically, the fund allowed us to perform research that we published in high-impact peer-reviewed journals (e.g., Behavioral and Brain Sciences) and conference proceedings (e.g., Proceedings of the International Society for Music Information Retrieval). We have also had 8 abstracts accepted for presentation at the 2021 International Conference on Music Perception and Cognition.</p> <p>Our major findings were that automated analyses reveal cross-cultural variation and similarities in the world's music that can help us understand how and why music evolved. We obtained these findings using new methods from computer science and cognitive science to analyze and compare melodies, rhythms, timbre, and other aspects of music.</p> <p>In the future we hope to build on these results to apply these techniques at larger scales. Based on our success during FY2020, I am optimistic that next year we will be in a good position to extend and publish the results of this year's research. We are grateful for the financial support of the Keio Gijuku Academic Development Fund.</p> | | | | | | |
| 2. 研究成果実績の概要 (英訳) | | | | | | |
| <p>Thanks to the support of the Keio Gijuku Academic Development Fund, we were able to successfully carry out our proposed research, publish original research, and give presentations at international conferences.</p> <p>Specifically, the fund allowed us to perform research that we published in high-impact peer-reviewed journals (e.g., Behavioral and Brain Sciences) and conference proceedings (e.g., Proceedings of the International Society for Music Information Retrieval). We have also had 8 abstracts accepted for presentation at the 2021 International Conference on Music Perception and Cognition.</p> <p>Our major findings were that automated analyses reveal cross-cultural variation and similarities in the world's music that can help us understand how and why music evolved. We obtained these findings using new methods from computer science and cognitive science to analyze and compare melodies, rhythms, timbre, and other aspects of music.</p> <p>In the future we hope to build on these results to apply these techniques at larger scales. Based on our success during FY2020, I am optimistic that next year we will be in a good position to extend and publish the results of this year's research. We are grateful for the financial support of the Keio Gijuku Academic Development Fund.</p> | | | | | | |
| 3. 本研究課題に関する発表 | | | | | | |
| 発表者氏名 (著者・講演者) | 発表課題名 (著書名・演題) | 発表学術誌名 (著書発行所・講演学会) | 学術誌発行年月 (著書発行年月・講演年月) | | | |
| Savage, P. E., Loui, P., Tarr, B., Schachner, A., Glowacki, L., Mithen, S., & Fitch, W. T. | Music as a coevolved system for social bonding | Behavioral and Brain Sciences | August 2020 | | | |
| Yuan, Y., Oishi, S., Cronin, C., Müllensiefen, D., Atkinson, Q. D., Fujii, S., & Savage, P. E. | Perceptual vs. automated judgments of music copyright infringement | Proceedings of the 21st International Society for Music Information Retrieval Conference (ISMIR 2020) | November 2020 | | | |
| Daikoku, H., Wood, A. L. C., & Savage, P. E. | Musical diversity in India: A preliminary computational study using Cantometrics | Keio SFC Journal | March 2021 | | | |
| Kitayama, Y., Savage, P. E., & *Fujii, S. | 歌の科学 [The science of song] | Keio SFC Journal | March 2021 | | | |