Conference Information

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| Acronym of the event: | SIGIR'22 |
| Name of the event: | The 45th International ACM SIGIR Conference on Research and Development in Information Retrieval |
| Web page: | <http://sigir.org/sigir22> |
| Contact emails: | [carteret@cis.udel.edu](mailto:carteret@cis.udel.edu) |
| Submission page: | <https://easychair.org/conferences/?conf=sigir22> |

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| **Submission 2069** | |
| Title | Inverse Reinforcement Learning: an application in distinguishing mouse cursor movement |
| Track | Short paper |
| Author keywords | cursor movement  inverse reinforcement learning  spatio-temporal data |
| Topics | Content recommendation, analysis and classification, Domain-specific applications, Humans and interfaces |
| Abstract | The new rules of social distancing and quarantining during the COVID have transformed every aspect of our lives, especially our behavior and routines. These changes have been drastically impacting the way we spend time (e.g., we spend more time at home and more time with computers or smart devices). With massive amounts of sensor data being collected everywhere, we now can develop innovative algorithms to have a much greater understanding of complex behavior and behavior changes. We introduce a novel algorithm to perform individual- and population-level behavior analysis for mouse dynamics. The findings may suggest behavior differences and inform methods for automated health assessment. |
| Submitted | Feb 15, 08:01 GMT |
| Last update | Feb 15, 08:01 GMT |
| Author roles | Beiyu Lin: Conceptualization, Methodology, Implementation, Investigation, Writing, Supervision. Xiaowei Jia: Methodology Sankalp Chauhan: Implementation Zhiqian Chen: Methodology Hailu Xu: Writing-review Xiao Huang: Writing-review Xinyue Ye: Validation |
| Organizational review policies |  |
| Author conflicts | Daqing He [(view)](https://easychair.org/conferences/author_conflict_view.cgi?a=28095217;track=270949;sub=5851122) |

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