

XSEDE Return on Investment (ROI) Team Page

XSEDE ROI (PY4-PY8)

- Technical report - J. Wernert, C. Costa, D. McMullen, C. Stewart, P. Blood, R. Sinkovits, S. Mehringer, R. Knepper, and G. Rogers, "Technical report: XSEDE return on investment (proxy) data and analysis, July 2014 to August 2019 (pti technical report pti-tr20-004)," 2020. <http://hdl.handle.net/2022/25704>.
- Dataset - C. Costa, J. Wernert, D. McMullen, C. Stewart, P. Blood, R. Sinkovits, S. Mehringer, R. Knepper, and G. Rogers, "Dataset: XSEDE return on investment data and analysis (July 2014 to August 2019)," 2020. <http://hdl.handle.net/2022/25407>.

Publications

- Stewart, C.A., A. Apon, D.Y. Hancock, T. Furlani, A. Sill, J. Wernert, D. Lifka, N. Berente, T. Cheatham, S.D. Slavin. 2019. Assessment of non-financial impacts of investment in cyber-infrastructure: A survey of current methods. In HARC '19: Proceedings of the PEARC '19 Workshop: Humans in the Loop: Enabling and Facilitating Research on Cloud Computing. ACM, New York, NY, USA, 10 pages. <https://doi.org/10.1145/3355738.3355749>
- Stewart, C.A., D.Y. Hancock, J. Wernert, T. Furlani, D. Lifka, A. Sill, N. Berente, D.R. McMullen, T. Cheatham, A. Apon, R. Payne, S. D. Slavin. 2019. Assessment of financial returns on investments in cyberinfrastructure facilities: A survey of current methods. In Proceedings of PEARC '19, July 28-August 1, 2019, Chicago, IL, USA. ACM ISBN 978-1-4503-7227-5/19/07. <https://doi.org/10.1145/3332186.3332228>
- Stewart, C.A., D.Y. Hancock, J. Wernert, M.R. Link, N. Wilkins-Diehr, T. Miller, K. Gaither, W. Snapp-Childs. 2018. Return on Investment for three cyberinfrastructure facilities: a local campus supercomputer; the NSF-funded Jetstream cloud system; and XSEDE (the eXtreme Science and Engineering Discovery Environment). 2018 IEEE/ACM 11th International Conference on Utility and Cloud Computing (UCC). 17-20 December, Zurich, Switzerland. <https://dx.doi.org/10.1109/UCC.2018.00031>. One of three finalists for best paper award.
- Stewart, C.A., Roskies, R., Knepper, R., Moore, R.L., Whitt, J., & Cockerill, T.M. 2015. XSEDE Value Added, Cost Avoidance, and Return on Investment. In: Proceedings of the 2015 XSEDE Conference: Scientific Advancement Enabled by Enhanced Cyberinfrastructure, <https://dx.doi.org/10.1145/2792745.2792768>. Winner: 2015 Phil Andrews Best Technical Paper Award

XSEDE ROI Team

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