

Publications Reported for this Reporting Period

NIH Public Access Compliance	Citation
In process at NIHMS	AMPRO-HPCC: A Machine-Learning-Tool for Predicting Resources On Slurm HPC Clusters. ADVCOMP 2021, The Fifteenth International Conference on Advanced Engineering Computing and Applications in Sciences. . NIHMSID: NIHMS1831252.
In process at NIHMS	An assessment tool for evaluating the National Institute of General Medical Sciences COBRE and INBRE mentoring programs. Advances in physiology education. . NIHMSID: NIHMS1733724.
In process at NIHMS	AZBA--A Three-Dimensional Adult Zebrafish Brain Atlas for the Digital Age. eLife. . NIHMSID: NIHMS1737638.
Complete	Pajser A, Breen M, Fisher H, Pickens CL. Individual differences in conditioned fear are associated with levels of adolescent/early adult alcohol consumption and instrumental extinction . Behav Brain Res. 2018 Sep 3;349:145-157. doi: 10.1016/j.bbr.2018.04.020. Epub 2018 Apr 22. PubMed PMID: 29694912; PubMed Central PMCID: PMC6037174.
Complete	Sogaard I, Ni R. Mediating Age-related Cognitive Decline through Lifestyle Activities: A Brief Review of the Effects of Physical Exercise and Sports-playing on Older Adult Cognition . Acta Psychopathol (Wilmington). 2018;4(5). doi: 10.4172/2469-6676.100178. Epub 2018 Sep 29. PubMed PMID: 35308579; PubMed Central PMCID: PMC8932955.
Complete	Ray MH, Hite T, Gallo M, Pickens CL. Operant over-responding is more sensitive than reversal learning for revealing behavioral changes after withdrawal from alcohol consumption . Physiol Behav. 2018 Nov 1;196:176-184. doi: 10.1016/j.physbeh.2018.08.021. Epub 2018 Sep 4. PubMed PMID: 30189181; PubMed Central PMCID: PMC6415664.
Not applicable	Fisher H. Co-administration of haloperidol does not alter anesthetic ketamine-induced go/no-go reversal learning impairments in rats. Manhattan, KS: K-State Research Exchange; 2019. Available from: https://krex.k-state.edu/dspace/handle/2097/39731 .
Not applicable	Pajser A. Operant overtraining leads to increased Fos expression in IL and PL that is unaffected by fear conditioning. [Internet]. Manhattan, KS: K-State Research Exchange; 2019. Available from: https://krex.k-state.edu/dspace/handle/2097/40226 .
Not applicable	Plummer JP. The effect of depth on the useful field of view. [Internet]. Wichita, KS: Shocker Open Access Repository; 2019. Available from: https://soar.wichita.edu/handle/10057/16384 .
Not applicable	Steele CC. Dietary Effects on Impulsive Choice: An Investigation of Physiological Moderators in Rats and Humans. [Internet]. Ann Arbor, MI: Proquest Dissertation Publishing; 2019. Available from: https://www.proquest.com/docview/231030777/abstract/3DC4523411E447BPQ/1?accountid=11789 . Other: 9781088352274.
Complete	McGatlin KC, Newberry KM, Bailey HR. Temporal Chunking Makes Life's Events More Memorable . Open Psychol. 2019 Jan;1(1):94-105. doi: 10.1515/psych-2018-0007. Epub 2019 Jan 18. PubMed PMID: 30906921; PubMed Central PMCID: PMC6425963.
Complete	Pajser A, Limoges A, Long C, Pickens CL. Individual differences in voluntary alcohol consumption are associated with conditioned fear in the fear incubation model . Behav Brain Res. 2019 Apr 19;362:299-310. doi: 10.1016/j.bbr.2019.01.027. Epub 2019 Jan 18. PubMed PMID: 30664887; PubMed Central PMCID: PMC6415663.
Complete	Wukitsch TJ, Reinhardt EK, Kiefer SW, Cain ME. Voluntary ethanol consumption during early social isolation and responding for ethanol in adulthood . Alcohol. 2019 Jun;77:1-10. doi: 10.1016/j.alcohol.2018.09.004. Epub 2018 Sep 18. PubMed PMID: 30240808; PubMed Central PMCID: PMC6422769.
Complete	Smith T, Panfil K, Bailey C, Kirkpatrick K. Cognitive and behavioral training interventions to promote self-control . J Exp Psychol Anim Learn Cogn. 2019 Jul;45(3):259-279. doi: 10.1037/xan0000208. Epub 2019 May 9. Review. PubMed PMID: 31070430; PubMed Central PMCID: PMC6716382.
Complete	Tanash M, Dunn B, Andresen D, Hsu W, Yang H, Okanlawon A. Improving HPC System Performance by Predicting Job Resources via Supervised Machine Learning . PEARC19 (2019). 2019 Jul;2019. doi: 10.1145/3332186.3333041. Epub 2019 Jul 28. PubMed PMID: 35308798; PubMed Central PMCID: PMC8932944.
Complete	Hutson K, Andresen D, Tygart A, Turner D. Managing a Heterogeneous Cluster . PEARC19 (2019). 2019 Jul;2019. doi: 10.1145/3332186.3332251. Epub 2019 Jul 28. PubMed PMID: 35356494; PubMed Central PMCID: PMC8963476.

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Complete	Pickens CL, Kallenberger P, Pajser A, Fisher H. Voluntary alcohol access during adolescence/early adulthood, but not during adulthood, causes faster omission contingency learning. Behav Brain Res. 2019 Sep 16;370:111918. doi: 10.1016/j.bbr.2019.111918. Epub 2019 May 13. PubMed PMID: 31095991; PubMed Central PMCID: PMC6590999.
Complete	Plummer JP, Diamond A, Chaparro A, Ni R. HAZARD PERCEPTION IN CITY AND HIGHWAY ENVIRONMENTS. Proc Hum Factors Ergon Soc Annu Meet. 2019 Nov 1;63(1):1404-1408. doi: 10.1177/1071181319631337. Epub 2019 Nov 20. PubMed PMID: 34531646; PubMed Central PMCID: PMC8443215.
Complete	Wisniewski MG, Church BA, Mercado E 3rd, Radell ML, Zakrzewski AC. Easy-to-hard effects in perceptual learning depend upon the degree to which initial trials are "easy". Psychon Bull Rev. 2019 Dec;26(6):1889-1895. doi: 10.3758/s13423-019-01627-4. PubMed PMID: 31243721; PubMed Central PMCID: PMC6868315.
Not applicable	Panfil K. Effects of blocking estradiol during impulsive choice and timing in female rats. [Internet]. Manhattan, KS: K-State Research Exchange; 2020. Available from: https://krex.k-state.edu/dspace/handle/2097/40879 .
Complete	Andresen D, Vasserman E. Making Mountains out of Molehills: Challenges for Implementation of Cross-Disciplinary Research in the Big Data Era. Merrill Ser Res Mission Public Univ. 2020 Jan 13;2019:36-41. doi: 10.17161/merrill.2019.13292. Epub 2019 Dec 20. PubMed PMID: 35309728; PubMed Central PMCID: PMC8932949.
Complete	Fisher H, Pajser A, Pickens CL. Pre-training inactivation of basolateral amygdala and mediodorsal thalamus, but not orbitofrontal cortex or prelimbic cortex, impairs devaluation in a multiple-response/multiple-reinforcer cued operant task. Behav Brain Res. 2020 Jan 27;378:112159. doi: 10.1016/j.bbr.2019.112159. Epub 2019 Oct 9. PubMed PMID: 31605743; PubMed Central PMCID: PMC7018441.
Complete	Wukitsch TJ, Brase EC, Moser TJ, Kiefer SW, Cain ME. Differential rearing alters taste reactivity to ethanol, sucrose, and quinine. Psychopharmacology (Berl). 2020 Feb;237(2):583-597. doi: 10.1007/s00213-019-05394-x. Epub 2019 Dec 12. PubMed PMID: 31832722; PubMed Central PMCID: PMC7747299.
Complete	Panfil K, Bailey C, Davis I, Mains A, Kirkpatrick K. A time-based intervention to treat impulsivity in male and female rats. Behav Brain Res. 2020 Feb 3;379:112316. doi: 10.1016/j.bbr.2019.112316. Epub 2019 Oct 23. PubMed PMID: 31655096; PubMed Central PMCID: PMC6917889.
Complete	Smith ME, Newberry KM, Bailey HR. Differential effects of knowledge and aging on the encoding and retrieval of everyday activities. Cognition. 2020 Mar;196:104159. doi: 10.1016/j.cognition.2019.104159. Epub 2019 Dec 19. PubMed PMID: 31865171; PubMed Central PMCID: PMC7028520.
Complete	Jarmolowicz DP, Reed DD, Stancato SS, Lemley SM, Sofis MJ, Fox A, Martin LE. On the discounting of cannabis and money: Sensitivity to magnitude vs. delay. Drug Alcohol Depend. 2020 Jul 1;212:107996. doi: 10.1016/j.drugalcdep.2020.107996. Epub 2020 Apr 25. PubMed PMID: 32386921; PubMed Central PMCID: PMC8439351.
Complete	Porter BA, Mueller T. The Zebrafish Amygdaloid Complex - Functional Ground Plan, Molecular Delineation, and Everted Topology. Front Neurosci. 2020;14:608. doi: 10.3389/fnins.2020.00608. eCollection 2020. PubMed PMID: 32765204; PubMed Central PMCID: PMC7378821.
Complete	Pickens CL, Cook A, Gaedert B. Dose-dependent effects of alcohol injections on omission-contingency learning have an inverted-U pattern. Behav Brain Res. 2020 Aug 17;392:112736. doi: 10.1016/j.bbr.2020.112736. Epub 2020 Jun 2. PubMed PMID: 32497681; PubMed Central PMCID: PMC7727456.
Complete	Wisniewski MG, Zakrzewski AC. Effects of auditory training on low-pass filtered speech perception and listening-related cognitive load. J Acoust Soc Am. 2020 Oct;148(4):EL394. doi: 10.1121/10.0001742. PubMed PMID: 33138495; PubMed Central PMCID: PMC7599074.
Complete	Stancato SS, Schneider TD, Reed DD, Lemley SM, Carrillo A, Jarmolowicz DP. Reinforcer pathology II: Reward magnitude, reward delay, and demand for alcohol collectively relate to college students' alcohol related problems. J Exp Anal Behav. 2020 Nov;114(3):354-367. doi: 10.1002/jeab.635. Epub 2020 Nov 12. PubMed PMID: 33184869; PubMed Central PMCID: PMC8445112.
Complete	Wukitsch TJ, Moser TJ, Brase EC, Kiefer SW, Cain ME. Adolescent ethanol exposure and differential rearing environment affect taste reactivity to ethanol in rats. Alcohol. 2020 Dec;89:113-122. doi: 10.1016/j.alcohol.2020.09.001. Epub 2020 Sep 13. PubMed PMID: 32937167; PubMed Central PMCID: PMC7722211.

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Complete	Adedolapo O, Huichen Y, Avishek B, William H, Dan A, Mohammed T. Feature Selection for Learning to Predict Outcomes of Compute Cluster Jobs with Application to Decision Support . Proc (Int Conf Comput Sci Comput Intell). 2020 Dec;2020:1231-1236. doi: 10.1109/cscsi51800.2020.00230. PubMed PMID: 35382513; PubMed Central PMCID: PMC8979371.
Not applicable	Jarmolowicz DP, Schneider T. Behavioral Economics and Addictive Disorders. In: Sussman S, editor. Behavioral Economics and Addictive Disorders [Internet] Cambridge, UK: Cambridge University Press; 2021. Chapter 2; p.12-22. Available from: https://www.cambridge.org/core/books/cambridge-handbook-of-substance-and-behavioral-addictions/behavioral-economics-and-addictive-disorders/0F93416613EF811DD880063013A49EA6 .
Not applicable	Smith ME. Neural mechanisms underlying the influence of sequential predictions on scene gist recognition. [Internet]. Proquest; 2021. Available from: https://www.proquest.com/docview/2635264328?pq-origsite=gscholar&fromopenview=true .
Complete	McKinnell ZE, Maze T, Ramos A, Challans B, Plakke B. Valproic acid treated female Long-Evans rats are impaired on attentional set-shifting . Behav Brain Res. 2021 Jan 15;397:112966. doi: 10.1016/j.bbr.2020.112966. Epub 2020 Oct 11. PubMed PMID: 33053383; PubMed Central PMCID: PMC7655712.
Complete	Pajser A, Fisher H, Pickens CL. Pre-training naltrexone increases conditioned fear learning independent of adolescent alcohol consumption history . Physiol Behav. 2021 Feb 1;229:113212. doi: 10.1016/j.physbeh.2020.113212. Epub 2020 Oct 16. PubMed PMID: 33069685; PubMed Central PMCID: PMC8167435.
Complete	Zakrzewski AC, Sanders EC, Berry JM. Evidence for Age-Equivalent and Task-Dissociative Metacognition in the Memory Domain . Front Psychol. 2021;12:630143. doi: 10.3389/fpsyg.2021.630143. eCollection 2021. PubMed PMID: 33633653; PubMed Central PMCID: PMC7901934.
Complete	Hagan KE, Jarmolowicz DP, Forbush KT. Reconsidering delay discounting in bulimia nervosa . Eat Behav. 2021 Apr;41:101506. doi: 10.1016/j.eatbeh.2021.101506. Epub 2021 Mar 29. PubMed PMID: 33812126; PubMed Central PMCID: PMC8428544.
Complete	Christensen KA, Forbush KT, Elliott BT, Jarmolowicz DP. A single-case multiple baseline design for treating insomnia in eating disorders: The TIRED study . Int J Eat Disord. 2021 Apr;54(4):652-659. doi: 10.1002/eat.23450. Epub 2020 Dec 18. PubMed PMID: 33336848; PubMed Central PMCID: PMC8428790.
Complete	Newberry KM, Feller DP, Bailey HR. Influences of domain knowledge on segmentation and memory . Mem Cognit. 2021 May;49(4):660-674. doi: 10.3758/s13421-020-01118-1. Epub 2021 Jan 7. PubMed PMID: 33415711; PubMed Central PMCID: PMC8441757.
Complete	Wukitsch TJ, Cain ME. The effects of voluntary adolescent alcohol consumption on alcohol taste reactivity in Long Evans rats . Psychopharmacology (Berl). 2021 Jun;238(6):1713-1728. doi: 10.1007/s00213-021-05805-y. Epub 2021 Mar 4. PubMed PMID: 33660081; PubMed Central PMCID: PMC8141039.
Complete	Tanash M, Andresen D, Yang H, Hsu W. Ensemble Prediction of Job Resources to Improve System Performance for Slurm-Based HPC Systems . Pract Exp Adv Res Comput (2021). 2021 Jul;2021. doi: 10.1145/3437359.3465574. Epub 2021 Jul 17. PubMed PMID: 35373221; PubMed Central PMCID: PMC8974354.
Complete	Liu Q, Bautista-Gomez J, Higgins DA, Yu J, Xiong Y. Dysregulation of the AP2M1 phosphorylation cycle by LRRK2 impairs endocytosis and leads to dopaminergic neurodegeneration . Sci Signal. 2021 Jul 27;14(693). doi: 10.1126/scisignal.abg3555. PubMed PMID: 34315807; PubMed Central PMCID: PMC8486338.
Complete	Payne M, Mali I, McKinnell ZE, Vangsness L, Shrestha TB, Bossmann SH, Plakke B. Increased volumes of lobule VI in a valproic acid model of autism are associated with worse set-shifting performance in male Long-Evan rats . Brain Res. 2021 Aug 15;1765:147495. doi: 10.1016/j.brainres.2021.147495. Epub 2021 Apr 22. PubMed PMID: 33894224; PubMed Central PMCID: PMC8205983.
Complete	Smith ME, Loschky LC, Bailey HR. Knowledge guides attention to goal-relevant information in older adults . Cogn Res Princ Implic. 2021 Aug 18;6(1):56. doi: 10.1186/s41235-021-00321-1. PubMed PMID: 34406505; PubMed Central PMCID: PMC8374018.

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Complete	Wisniewski MG, Zakrzewski AC, Bell DR, Wheeler M. EEG power spectral dynamics associated with listening in adverse conditions . Psychophysiology. 2021 Sep;58(9):e13877. doi: 10.1111/psyp.13877. Epub 2021 Jun 23. PubMed PMID: 34161612; PubMed Central PMCID: PMC8355203.
Complete	Young ME, Hoane MR. Mixed effects modeling of Morris water maze data revisited: Bayesian censored regression . Learn Behav. 2021 Sep;49(3):307-320. doi: 10.3758/s13420-020-00457-y. Epub 2021 Feb 22. PubMed PMID: 33619694; PubMed Central PMCID: PMC8439609.
Complete	Voss NM, Kirkpatrick K. An assessment tool for evaluating the National Institute of General Medical Sciences COBRE and INBRE mentoring programs . Adv Physiol Educ. 2021 Sep 1;45(3):626-633. doi: 10.1152/advan.00237.2020. PubMed PMID: 34379488; PubMed Central PMCID: PMC8461797.
Complete	Pajser A, Foster C, Gaedert B, Pickens CL. Extended operant training increases infralimbic and prelimbic cortex Fos regardless of fear conditioning experience . Behav Brain Res. 2021 Sep 24;414:113476. doi: 10.1016/j.bbr.2021.113476. Epub 2021 Jul 21. PubMed PMID: 34302878; PubMed Central PMCID: PMC8428778.
Complete	Andresen D, Teague G. Facilitating large data management in research contexts . ADVCOMP Int Conf Adv Eng Comput Appl Sci. 2021;2021:36-43. Epub 2021 Oct 3. PubMed PMID: 36072087; PubMed Central PMCID: PMC9446462.
Complete	Bailey C, Panfil K, Kirkpatrick K. Hazard function effects on promoting self-control in variable interval time-based interventions in rats . J Exp Anal Behav. 2021 Nov;116(3):279-299. doi: 10.1002/jeab.722. Epub 2021 Oct 20. PubMed PMID: 34669191; PubMed Central PMCID: PMC8595656.
Complete	Kenney JW, Steadman PE, Young O, Shi MT, Polanco M, Dubaishi S, Covert K, Mueller T, Frankland PW. A 3D adult zebrafish brain atlas (AZBA) for the digital age . Elife. 2021 Nov 22;10. doi: 10.7554/eLife.69988. PubMed PMID: 34806976; PubMed Central PMCID: PMC8639146.
Not applicable	Tanash M. Improving HPC system performance by predicting job resources for submitted jobs using machine learning techniques. [Internet]. Manhattan, KS: K-State Research Exchange; 2021 December. Available from: https://krex.k-state.edu/dspace/handle/2097/41783 .
In process at NIHMS	Bose A, Yang H, Hsu WH, Andresen D. HPCGCN: A Predictive Framework on High Performance Computing Cluster Log Data Using Graph Convolutional Networks. 2021 BigGraphs Workshop at IEEE BigData'21. 2021 December. NIHMSID: NIHMS1831840.
Complete	Kirkpatrick K. Junior Faculty Research Career Development in the Era of COVID-19 . Merrill Ser Res Mission Public Univ. 2022;124:49-56. doi: 10.17161/merrill.2021.16415. PubMed PMID: 35978852; PubMed Central PMCID: PMC9379937.
Not applicable	Bell T. Neural Oscillations in Memory Strategies. [Internet]. Manhattan, KS: K-State Research Exchange; 2022. Available from: https://krex.k-state.edu/dspace/handle/2097/42412 .
Complete	Weber RE, Schulze KM, Colburn TD, Horn AG, Hageman KS, Ade CJ, Hall SE, Sandner P, Musch TI, Poole DC. Capillary hemodynamics and contracting skeletal muscle oxygen pressures in male rats with heart failure: Impact of soluble guanylyl cyclase activator . Nitric Oxide. 2022 Feb 1;119:1-8. doi: 10.1016/j.niox.2021.12.001. Epub 2021 Dec 4. PubMed PMID: 34871799; PubMed Central PMCID: PMC9469501.
Complete	Smith TR, Panfil K, Kirkpatrick K. Generalizability of time-based interventions: Effects of choice procedure and smaller-sooner delay . Behav Processes. 2022 Mar;196:104584. doi: 10.1016/j.beproc.2022.104584. Epub 2022 Jan 13. PubMed PMID: 35033629; PubMed Central PMCID: PMC8897259.
Complete	Pitts BL, Smith ME, Newberry KM, Bailey HR. Semantic knowledge attenuates age-related differences in event segmentation and episodic memory . Mem Cognit. 2022 Apr;50(3):586-600. doi: 10.3758/s13421-021-01220-y. Epub 2021 Sep 22. PubMed PMID: 34553341; PubMed Central PMCID: PMC8938297.
Complete	Pitts BL, Eisenberg ML, Bailey HR, Zacks JM. PTSD is associated with impaired event processing and memory for everyday events . Cogn Res Princ Implic. 2022 Apr 25;7(1):35. doi: 10.1186/s41235-022-00386-6. PubMed PMID: 35467165; PubMed Central PMCID: PMC9038970.
In process at NIHMS	Andresen D, Tanash M, Bohn C, Hsu W. Cost-Effective Resource Provisioning of Cloud Computing via Supervised Machine Learning. ICAI'22 - The 24th Int'l Conf on Artificial Intelligence. 2022 July. NIHMSID: NIHMS1831853.
Complete	Yi W, Mueller T, Rücklin M, Richardson MK. Developmental neuroanatomy of the rosy bitterling Rhodeus ocellatus (Teleostei: Cypriniformes)-A microCT study . J Comp Neurol. 2022 Aug;530(12):2132-2153. doi: 10.1002/cne.25324. Epub 2022 Apr 25. PubMed PMID: 35470436; PubMed Central PMCID: PMC9245027.

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In process at NIHMS	Plummer JP, Chaparro A, Ni R. Effect of target contrast and divided attention on the useful field of view. Vision Res. 2022 Aug;197:108050. doi: 10.1016/j.visres.2022.108050. Epub 2022 Apr 8. PubMed PMID: 35405416; NIHMSID:NIHMS1831879.
In process at NIHMS	Mueller T. The Everted Amygdala of Ray-Finned Fish: Zebrafish Makes a Case. Brain, behavior and evolution. Forthcoming. NIHMSID: NIHMS1831875.