Herbert Arthur Chris Ninness, PhD
Behavioral Software Systems
http://behavioralsoftwaresystems.com/

Former Professor and Director: School & Behavioral Psychology Doctoral Program
Stephen F. Austin State University

Academic Degrees:
- Aug. 1994 Post-Doctorate: Behavioral Pediatrics
  The Johns Hopkins University School of Medicine and Kennedy Krieger
  Institute, Baltimore, MD
- Aug. 1982 Doctor of Philosophy, University of North Texas,
  Department of Education, Denton, TX
- DEC. 1978 Doctor of Philosophy, Texas Woman's University,
  Department of Psychology, DENTON, TX
- May 1974 Master of Science, University of North Texas,
  Department of Psychology, Denton, TX
- May 1972 Bachelor of Science, Cum Laude, University of
  North Texas, Department of Psychology, Denton, TX

Work Experience:
- Jan. 1991 to August 2013: Director and Professor of School Psychology, Department of Human Services, Stephen F. Austin State University. Nacogdoches, TX
- Sept. 1993 to Aug. 1994: Post-Doctoral Fellow, Department of Behavioral Psychology. The Johns Hopkins University School of Medicine and The Kennedy Krieger Institute. 707 North Broadway, Baltimore, MD
- Sept. 1988 to May 1999: Consulting School Psychologist, Northwest Independent School District Special Education Departments. Justin and Denton, TX
- Aug. 1981 to May 1991: Supervising School Psychologist, Special Education Division of the Denton Independent School District Sullivan-Keller Instructional Center, 500 N. Wood St., Denton, TX
- May 1979 to Aug 1981: Senior Research Analyst, Applied Research Division of the Dallas Independent School District Dallas, TX

Doctoral Courses Taught at SFASU: School Psychology Program:
  EPS 651 Multivariate and Artificial Neural Network Analyses
  EPS 669 C# Computer Programming
  EPS 650 Advanced Research Methods
  EPS 690 Dissertation in School Psychology
  EPS 655 Practicum in School Psychology
  EPS 595 Internship in School Psychology
  EPS 502 Applied Behavior Analysis

Editorial Boards:
- **Reviewer:** *Artificial Intelligence Review* **(Current)**
- **Associate Editor***: Journal of Applied Behavior Analysis* **(2007-2010)**
- **Editorial Board:** *Behavior and Social Issues* **(Current)**
- **Associate Editor:** *The Psychological Record* **(2017-2018)**

Academic Awards:
- **Career Contributions to Behavior Analysis in Texas Award** (2021) Texas Association of Behavior Analysis
- **Foundation Professor** Faculty Achievement Award for Research (2004). Stephen F. Austin State University Foundation Board of Trustees
- **Teaching Excellence Award** (2003). Department of Human Services Stephen F. Austin State University

Publications:

Ninness, C., Yelick, A., Ninness, S. K. (2021). Predicting heuristic decisions in child welfare: A neural network exploration. *Behavior and Social Issues*. https://rdcu.be/clPPD

Ninness, C. & Ninness, S. K. (2020). Emergent virtual analytics: Modeling contextual control of derived stimulus relations. *Behavior and Social Issues*, *29*, 119–137. https://rdcu.be/b5Tmd

Ninness, C. & Ninness, S. K. (2020). Emergent virtual analytics: Artificial intelligence and human-computer interactions. *Behavior and Social Issues*, *29*, 100–118. https://rdcu.be/b5FiI

Ninne**ss, C.,** Rehfeldt, R. A. & Ninness, S. (2019). Identifying accurate and inaccurate stimulus relations: human and computer learning. *The Psychological Record, 69, 333–356.* https://rdcu.be/bzzHB

Ninne**ss, C.,** Ninness, S., Rumph, M. & Lawson, D. **(**2018**).** The emergence of stimulus relations: human and computer learning. *Perspectives on Behavioral Science, 41,* 121–154. Initially published online November 2017 in *The Behavior Analyst*. http://rdcu.be/yt28

Halle, S., **N**inne**ss, C**., Ninness, S., & Lawson, D. (2016). Teaching social skills to students with autism: a video modeling social stories approach. *Behavior and Social Issues*, *25*, 42-63.

Ninne**ss, C.,** Henderson, R., Ninness, S., & Halle, S. (2015). Probability pyramiding revisited: univariate. multivariate, and neural network analyses of complex data. *Behavior and Social Issues*, *24*, 164-186.

O'Neill, J., Rehfeldt, R. A., **Ninness, C.,** Muñoz, B. E., & Mellor, J. (2015). Comparison of a stimulus equivalence protocol and traditional study in learning Skinner's verbal operants. *The Analysis of Verbal Behavior*, *31*, 255-266

Ninness, C., Rumph, M., Clary, L., Lawson, D., Lacy, J. T., Halle, S., McAdams, R., Parker, S., & Forney, D. (2013). Neural network and multivariate analysis: Pattern recognition in academic and social research. *Behavior and Social Issues*, *22*, 56 -65.

Rumph, R, **Ninness, C**., Lacy, J., Rumph, M., Halle, S., Clary, L, Law, S., McKee, K., Rinewalt, T. W., & Ninness, S. (2013). The automatic graphing/rotation scan procedure for laptops and cellphones: An ecological assessment system for developing local norms. *Behavior and Social Issues*, *22*, 37-45.

Ninness, C., Lauter, J., Clarey, L, Rumph, M., Coffee, M., Kelly, E., R., Kyle, B., & Ninness, S. (2012). Behavioral and biological neural network analyses: A common pathway toward pattern recognition. *The Psychological Record*, *62*, *579-598.*

McGinty, J., **Ninness, C**., McCuller, G., Rumph, R., Goodwin, A., Lopez, A., & Kelly, E. (2012). Training and deriving precalculus relations: A small group web-interactive approach. *The Psychological Record*, *62*, 225–242.

Walker, B. D., Rehfeldt, R. A., & **Ninness, C**., (2010). Using the stimulus equivalence paradigm to teach course material in an undergraduate rehabilitation course. *Journal of Applied Behavior Analysis*, *43*, 615-633

Ninness, C., Dixon, M., Barnes-Holmes, D., Rehfeldt, R.A., Rumph, R., McCuller, G., Holland, J. Smith, R., & Ninness, S. (2009). Deriving and constructing reciprocal trigonometric relations: A web-interactive training approach. *Journal of Applied Behavior Analysis. , 42, 191–208.*

Ward, T. A., Eastman, R. L., & **Ninness, C**. (2009). An experimental analysis of Cultural Materialism: The effects of various modes of production on resource sharing. *Behavior & Social Issues*, *18*, 1-23.

Davis, R., **Ninness, C.,** Rumph, R., McCuller, G., Ward, T & Vasquez, E. (2008). Functional behavior assessment of self-initiated maladaptive behaviors: A case study. *Behavior and Social Issues, 17*, 66-85.

Ninness, C., & Ninness, S. K. (2008). Commentary-- Gambling, problem-solving, and the contingencies of superstition: A response to Fantino & Stolarz-Fantino. *Analysis of Gambling Behaviors*, *2*, 115-117.

Rumph, R., **Ninness, C.**, McCuller, G., Holland, J., Ward, T., & Willbourn, T. (2007). "The shame of American education" redux. *Behavior and Social Issues*, *16*, 27-41.

Rumph, R., **Ninness, C.**, McCuller, G., Holland, J., Ward, T., & Willbourn, T. (2007). Stimulus change: Reinforcer or punisher? Reply to Ellis and Hursh. *Behavior and Social Issues*, *16*, 47-49.

Rumph, R., Ninness, C., McCuller, G., Holland, J., Ward, T., & Willbourn, T. (2007). Stimulus change: Reinforcer or punisher? Reply to Ellis and McGee. *Behavior and Social Issues*, *16*, 50-58.

Ninness, C., Barnes-Holmes, D., Rumph, R., McCuller, G., Ford, A., Payne, R., Ninness, S., Smith, R., Ward, T., & Elliott, M. (2006). Transformation of mathematical and stimulus functions. *Journal of Applied Behavior Analysis, 39*, 299-321.

Rumph, R., **Ninness, C.**, McCuller, G., & Ninness, S. (2005). Twenty years later, Commentary on Skinner's "Why we are not acting to save the world?", *Behavior and Social Issues, 14*, 1-6.

Ninness, C., Rumph, R., McCuller, G., Harrison, C., Ford, A., & Ninness, S. (2005). A functional analytic approach to computer-interactive mathematics. *Journal of Applied Behavior Analysis, 38*, 1-22.

Ninness, C. Rumph, R., McCuller, G., Harrison, C., Vasquez, E., Ford, A., Ninness, S., & Bradfield, A. (2005). A relational frame and artificial neural network approach to computer-interactive mathematics. *The Psychological Record, 55*, 561-570.

Jones, T. B., Sherman, R. B., **Ninness, C.**, & Hallman, P. (2005). The relationship between GRE scores and performance on the Texas Standard Principal Examination for the certification of educators in Texas. *Educational Leadership Review*, *6*, 26-3.1

Ninness, C., Newton, R., Saxon, J., Rumph, R., Bradfield, A., Harrison, C., Vasquez, E., & Ninness, S. (2002). Small group statistics: A Monte Carlo comparison of parametric and randomization tests. *Behavior and Social Issues*, *12*, 53-63.

Ninness, C., Rumph, R., Vasquez, E., & Bradfield, A., (2002). Multivariate randomization tests for small-n behavioral research. *Behavior and Social Issues*, *12*, 64-74.

Kenney, M., **Ninness, C.**, Rumph, R., Bradfield, A. & Cost, H. (2002). Paradoxical patterns in the measurement of hyperactivity. *Behavior and Social Issues*, *12*, 40-52.

Ninness, C., Rumph, R., McCuller, G., Bradfield, A., Saxon, J., Calliou, M., & Ninness, S. K. (2001). The effect of computer emitted speech inflections during verbal-Interactive responding. *The Psychological Record, 51,* 561-570.

Rumph, R. & **Ninness, C.** (2001). The promise of the design of culture. *Behavior and Social Issues, 11,* 23-25.

Ninness, C., Ozenne, L., McCuller, G., Rumph, R., & Ninness, S.K. (2000). Fixed-interval responding during computer-interactive problem solving. *The Psychological Record, 50,* 387-401.

Ninness, C., Shore, T., & Ninness, S. K. (1999). Shaping verses instructing verbal rules during computer-interactive problems solving. *The Psychological Record, 49,* 629-644.

Ninness, C. & Ninness, S. K. (1999) Contingencies of superstition: fallacious rules and irrelevant responding during second-order schedules of reinforcement. *The Psychological Record, 49,* 221-243.

Ninness, C., Ellis, J., & Ninness, S. K. (1999). Self-assessment as a reinforcer during computer interactive math performance: An experimental analysis. *Behavior Modification, 23,* 403-418.

Ninness, C., & Ninness, S. K. (1998). Superstitious math performance: Interactions between rule-governed and scheduled contingencies. *The Psychological Record, 48,* 45-62.

Ninness, C., Ninness, S. K., Sherman, S., & Schotta C. (1998). Augmenting computer interactive self-assessment with and without feedback. *The Psychological Record, 48,* 601-616.

Fisher, W. W., **Ninness, C.,** Owen, J., & Piazza, C. (1996). On the reinforcing effects of the content of verbal behavior. *Journal of Applied Behavior Analysis, 29,* 235-238.

Ninness, C., Fuerst, J., & Rutherford, R. (1995). A descriptive analysis disruptive behavior during pre- and post-unsupervised self-management by students with SED: A within study replication. *Journal of Emotional and Behavioral Disorders, 3,* 230-240.

Ninness, C., Ellis, J., Miller, B., Baker, D., & Rutherford, R. (1995). The effects of self-management on the transfer of aggression replacement skills in the absence of supervision. *Behavior Modification, 19,* 464-490.

Ninness, C., Richman, G., Jaquess, D., & Vittemberga, G. (1995). Facilitating objective-setting in behavior therapy through social mediation. *Behavior and Social Issues, 5,* 13-19.

Ninne**ss, C.**, Roberts, J., Krell, D., & Richman, G. (1994). Electronic distribution of behavior analytic publications. *Behavior and Social Issues, 4,* 97-99.

Ninne**ss, C.**, Fuerst, J., Rutherford, R., & Glenn, S. (1991). The effects of self-management training and reinforcement on the transfer of improved conduct in the absence of supervision. *Journal of Applied Behavior Analysis, 24,* 499-508.

Ninne**ss, C.** (1985). The effects of contingency management strategies on Bender Gestalt indicators of emotionally disturbed children. *Child Study Journal, 15,* 13-28.

Ninne**ss, C.** (1983). Modification of an electronic tactile signaling apparatus to produce audio cues for monitoring classroom behavior. *Behavioral Engineering, 9,* 21-26.

Ninne**ss, C.** (1982).Two and one-half year follow-up on the effects of elimination of subvocalization with electromyographic feedback. *Behavioral Engineering, 8,* 5-10.

Ninne**ss, C.** (1981). An electronic tactile signaling apparatus for sampling covert verbal behavior. *Behavioral Engineering, 7,* 57-61.

Ninne**ss, C.** (1980). The effects of elimination of subvocalization with electromyographic feedback. *Behavioral Engineering, 6,* 77-90.

Books:

Ninne**ss, C.**, McCuller G., & Ozenne, L. (2000). *School & Behavioral Psychology: Research in Human-Computer Interactions, Functional Assessment and Data-Based Treatment.* Norwell, MA: Kluwer Academic Publishers.

Ninne**ss, C.**, Glenn, S., & Ellis, J. (1993). *Assessment and Treatment of Emotional or Behavioral Disorders.* Westport, CT: Greenwood Press.

Ninne**ss, C**. & Glenn, S. (1988). *Applied Behavior Analysis and School Psychology: A Research Guide to Principles and Procedures.* Westport, CT: Greenwood Press.

Chapters in Edited Books:

Ninne**ss, C.**, Holland, J., Rumph, R., McCuller, G., Ninness, S., & Dixon, M. (2009). Problem-solving and derived mathematical relations. In R. A. Rehfeldt & Y. Barnes-Holmes (Eds.), *Derived relational responding: Applications for learners with autism and other developmental disabilities.* New Harbinger and Context Press.

Ninne**ss, C.**, McCuller, G., & Ninness, S. K. (1999). Functional analysis utilizing a four term contingency. In D. A. Sabatino & B. L. Brooks (Eds.) *Contemporary interdisciplinary interventions for children with emotional/behavioral disorders* (pp. 505-531). Durham, NC

Data Based Publications in State Refereed Journals:
Brister, F. & **N**inne**ss, C**. (1997). An examination of the ever changing criteria for hearing screening in Texas. ***Texas Journal of Audiology and Speech Pathology,*** *22,* 48-50.

Brister, F., McKaig,. & **N**inne**ss, C.** (2001). Age as a factor in hearing screening in the schools. ***Texas Journal of Audiology and Speech Pathology****.*

Non-refereed Publication:
Ninne**ss, C.**, Rumph, R., Bradfield, A. (2001). Small group statistics for school psychologists: On-line randomization and permutation tests**.** ***The Texas School Psychologist.***

Presentations: National:
Ninness, C. (Oct. 8, 2020), Predicting Heuristic Decisions in Child Welfare: A Neural Network Exploration Invited Online Presentation at the Annual Association for Behavior Analysis International Conference, ABAI _New Orleans October 8, 2020

Lacy, J. T., Sarah A. Law, **N**inne**ss, C.,** Halle, S., Rumph, M., Rumph, R., McKee, K., & Lawson, D. (2012, May), ***Automatic graphing on laptops and smartphones.*** Paper presented at the Annual Association for Behavior Analysis International Conference, Minneapolis, **MN.**

Ninne**ss, C.**, Lauter, J., Coffee, M., Clarey, L., Kelly, E., Rumph. M., Rumph, R., & Ninness, S. (2012, May). *Behavioral and biological neural network analyses: A common pathway toward pattern recognition and prediction.* Paper presented at the Annual Association for Behavior Analysis International Conference, Seattle, WA.

Ninne**ss, C.,** Kelso, G. L., Barnes-Homes. D., Rumph, R., Steward, R., Kelly. E., Staley, J., & McCuller, G. L. (2011, May). ***Been wrong so long it looks right to me: Training multivariate and neural network relations.*** Paper presented at the Annual Association for Behavior Analysis International Conference, Denver, CO.

Rumph, R., Kelly, E., Holland, J., Koltonski, S., **N**inne**ss, C.**, McCuller, G. L., Kelso, G. L., & Rumph, M. (2011, May). *No Child Left Behind ten years after: What do we know?* Paper presented at the Annual Association for Behavior Analysis International Conference, Denver, CO.

Sauceda, E., **N**inne**ss, C**., Rumph, R., McCuller, G., & Kietlinski, R., (2010, May). The effect of a social skills and self-management training on maladaptive behaviors and academic performance within a public school setting. Annual Association for Behavior Analysis International Conference, San Antonio, TX.

Bradley, C., Rumph, R., McCuller, G., Walker, M., **Ninness, C**., Sauceda, E., Kelly, E., (2010, May). The effect of behavioral contingency management on mutritional and exercise related behaviors and weight loss. Annual Association for Behavior | Analysis International Conference, San Antonio, TX.

Parrett, N., McCuller, G., Kelso, G., **Ninness, C**., Rumph, R., & Goodwin, A. (2010, May). Generating frames of causation in preschoolers. Annual Association for Behavior Analysis International Conference, San Antonio, TX.

Kolonski, S., McCuller, G., Kelso, G., Rumph, R., **Ninness, C**., (2010, May). Using frames of comparison to generate good food choices. Annual Association for Behavior Analysis International Conference, San Antonio, TX.

Ninness, C., Rumph, R., Dixon, M., McCuller, G., Ninness, S., & Holland, J (2007, May). Trigonometric, stimulus, and psychological relations: A web interactive approach. Annual Association for Behavior Analysis Conference, San Diego, CA.

Ninness, C., Barnes-Holmes, D., Rumph, R., McCuller, G., Ford, A., Holland, J., & Ninness, S., (2006, May). Transformations of web-based trigonometric and stimulus functions: Accelerating the acquisition of derived complex mathematical relations. Annual Association for Behavior Analysis Conference, Atlanta, GA.

Ninness, C., Rumph, R., McCuller, G., Ford, A., & Ninness, S. (2005, May). Transformation of mathematical and stimulus functions: The value of formula elegance. "Contributed Paper" presented at the International Association for Behavior Analysis Convention, Chicago, IL.

Ninness, C., Rumph, R., McCuller, G., Harrison, C., Hancock-Akin, E., Ford, A., Capt, A. & Ninness, S. (2004, May). A functional-analytic and neural network approach to mathematical relations. "Contributed Paper" presented at the International Association for Behavior Analysis Convention, Boston, MA

Rumph, R., **Ninness, C.**, McCuller, G., Harrison, C., (2004, May) Twenty Years Later: Commentary on Skinner's "Why Are We Not Acting to Save the World." "Contributed Paper" presented at the International Association for Behavior Analysis Convention, Boston, MA.

McCuller, G., Harrison, C. **Ninness, C.**, Rumph, R., Creel, C. (2004, May) Using stimulus equivalence procedures to teach geographic relations. Poster session presented at the International Association for Behavior Analysis Convention, Boston, MA.

Ninness, C., Rumph, R., McCuller, G., Bradfield, A., Harrison, C., Vasquez, E. & Ninness, S. (2003, May). Artificial neural network analysis of derived relational frames. Association for Behavior Analysis Annual Convention, San Francisco, CA.

Ninness, C., Rumph, R. , McCuller, G., Bradfield, A., Saxon, J. and Calliou, M., Newton, R., Ninness, S. K. (2001, May) Shaping verbal selections with voice-interactive software. Annual Convention of the Association for Behavior Analysis, New Orleans, LA.

Rumph, R., **Ninness, C.**, McCuller, G. (2001, May). The case against the standardization of education. Annual Convention of the Association for Behavior Analysis, New Orleans, LA.

Calliou, M., Saxon, J., **Ninness, C.**, Rumph. R., & McCuller, G. (2001, May) The effects of using differential reinforcement of alternative behaviors (DRA) on Autistic Self-Stimulatory Behaviors. Annual Convention of the Association for Behavior Analysis, New Orleans, LA.

Cook, A., McKaig, M., **Ninness, C.** & Brister, F. (2001, February) Assessment of phonological skills of Brazilian Portuguese speakers. Texas Research Symposium on Language Diversity, Austin, TX.

Ninness, C. & Ninness, S. K. (1998, May). Schedule control of self-generated instructions. Association for Behavior Analysis International Convention, Orlando, FL.

Ninness, C. & Ninness, S. K. (1996, May). Superstitious math performance: Interactions between rule-governed and direct-acting contingencies on three schedules of reinforcement. Association for Behavior Analysis International Convention, San Francisco, CA.

Ninness, C. (1995, February). Functional assessment of behaviorally disordered and aggressive children. Texas Association of School Psychologists Conference, Austin, TX.

Ninness, C., Fisher, W.W., & Owen, J. (1995, May). Noncontingent reinforcement procedures in relation to descriptive contingent attention. Association for Behavior Analysis International Convention, Washington, DC.

Fisher, W. W., Piazza, C.C., Zarcone, J. R., O'Conner, J. & **Ninness, C.** (1995, May). On the clinical and theoretical implications of molar and molecular functional assessment. Association for Behavior Analysis International Convention, Washington, DC.

Ninne**ss, C.**, Richman, G. & Jacquess, D. (1994). The multiple effects of prescribing behavior objectives in documenting patient progress. Association for Advancement of Behavior Therapy. Annual AABT Community Special Interest Group.

Ninne**ss, C.**, Fuerst J., & Ninness, S. K. (1994, February). Functional assessment of emotional disturbance. Conference on Behavioral Disorders, Austin, TX.

Ninne**ss, C.**, Collyer, D. & Heflin, J. (1993, May). Transfer and maintenance of self-management and aggression replacement skills by behaviorally disordered adolescents. Association for Behavior Analysis International Convention, Chicago.

Ninne**ss, C.** & Fuerst J. (1991, February). Physical aggression, disruption, and anger in the SED student. Conference on Behavioral Disorders, Austin, TX.

Ninne**ss, C.** (1991, March). Self-management of aggression replacement in SED students. National Association of School Psychologists Conference, Dallas, TX.

Ninne**ss, C.** (1991, May). Physical aggression, disruption, and anger in the SED student. Association for Behavior Analysis Convention, Atlanta, GA.

Ninne**ss, C.** & Fuerst J. Applied behavioral analysis and the SED atudent. (1990, November). Texas Association for Children/Adults with Learning Disabilities Conference, Dallas, TX.

Ninne**ss, C.** & Fuerst J. (1990, April). Aggression replacement for SED students Texas Psychological Association, Corpus Christi, TX.

Ninne**ss, C.** & Fuerst J. (1990, July). Aggression replacement and self-management for SED students. Texas Council for Exceptional Children, Dallas, TX.

Ninne**ss, C.** (1989, May). Teaching self-management to seriously emotionally disturbed adolescents. Association of Behavior Analysis Convention, Milwaukee, WC.

Ninne**ss, C.** (1988, May). A training package for improving generalization of social/affective behaviors of behaviorally disordered students. Association for Behavior Analysis Convention, Philadelphia, PA

Presentations: State and Regional

Ninne**ss, C.**, Rumph, R., McCuller, G., Ford, A., Payne, R., Ninness, S., Smith, R., Ward, T., & Elliott, M. (2006, March). Transformation of mathematical and stimulus functions. Texas Association for Behavior Analysis Regional Conference, Houston.

Ninne**ss, C.** & Fuerst J. (1989, February). Teaching self-management to seriously emotionally disturbed adolescents. Conference on Behavior Disorders, Austin, TX.

Ninne**ss, C.** & Fuerst J. (1988, February and 1987, October). A training package for improving generalization of social/affective behaviors of behaviorally disordered students, Behavior Disorders Conference and Texas Association for Children and Adults with Learning Disabilities Conference, Austin, TX.

Grants

Ninness, C. & Coffee, M. (2010) Artificial Neural Network Analysis of Complex Human Behaviors. Supported by SFA Research Development and a State of Texas Research Excellence Award

Ninness, C. & Coffee, M. (2006-2009*) psychStats* Online: A Computer-Interactive Applied Research System. Online statistics providing results for multivariate, univariate, nonparametric, and permutation tests. Supported by a State of Texas Research Excellence Award

Downloadable neural network and related software available to interested researchers:
See Behavioral Software Systems
http://behavioralsoftwaresystems.com/

Emergent Virtual Analytics EVA 3.0 (2021)
See Ninness, C., Yelick, A., Ninness, S. K. (2021). Predicting heuristic decisions in child welfare: A neural network exploration.
Behavior and Social Issues https://rdcu.be/clPPD

Emergent Virtual Analytics 2.65 (EVA 2.65)
See Ninness, C. & Ninness, S. K. (2020). Emergent virtual analytics:
Modeling contextual control of derived stimulus relations.
Behavior and Social Issues. https://rdcu.be/b5Tmd

Emergent Virtual Analytics 2.50 (EVA 2.50)
See Ninness, C., Rehfeldt, R. A. & Ninness, S. (2019) Identifying accurate and inaccurate stimulus relations: human and computer learning.
The Psychological Record https://rdcu.be/bzzHB

Emergent Virtual Analytics (EVA)
See Ninness, C., Ninness, S., Rumph, M. & Lawson, D. (2018).
The emergence of stimulus relations: human and computer learning.
Perspectives on Behavioral Science, *41*, 121–154. http://rdcu.be/yt28

Kohonen SOM Neural Network Application
See Ninness, C., Lauter, J. Coffee, M., Clary, L., Kelly, E., Rumph, M., Rumph, R., Kyle, R., &
Ninness, S. (2012). Behavioral and biological neural network analyses.
The Psychological Record, *62*, 579-598

Rotation Scan Auto Graf Application Software System
See Rumph, R, Ninness, C., Lacy, J., Rumph, M., Halle, S., Clary, L., Law, S., McKee, K.,
Rinewalt, T. W., & Ninness, S. (2013).

The automatic graphing/rotation scan procedure for laptops and cellphones: An ecological
assessment system for developing local norms.
Behavior and Social Issues, *22*, 37-45.