



LICENSED BEHAVIOR ANALYSTS

A SAMPLE OF RESEARCH PUBLICATIONS FROM VARIOUS FIELDS OF INTEREST IN APPLIED BEHAVIOR ANALYSIS

Applied behavior analysis (ABA) is the study and application of scientific principles and procedures to effect socially important behavior change. ABA is often narrowly defined as an approach to treat autism spectrum disorders. In fact, the profession of behavior analysis has made countless improvements in the lives of individuals in many places and conditions including education and learning, behavioral challenges, occupational safety, organizational behavior management and performance, substance abuse, brain injury, Alzheimer's, ADHD, behavioral medicine and Down Syndrome.

Behavior analysts publish in a variety of peer reviewed journals in education, medicine, organizational behavior management, developmental disabilities and so on. The preeminent journal for many behavior analysts is the Journal of Applied Behavior Analysis (JABA). JABA has been in continuous publication since 1968. A review of JABA demonstrates some of the areas studied by behavior analysts:

<u>AREA</u>	<u>#STUDIES (JABA)</u>
Attention Deficient Hyperactivity Disorder	100
Academic Achievement	296
Organization Behavior Management	70
Sports	149
Down Syndrome	202
Traumatic Head Injury	44
Addiction (drugs, smoking)	89
Food Refusal and Selectivity	123

The follow is a brief bibliography pulled from several 1000 research studies in multiple areas showing the benefits of behavior analysis. This is a non-exhaustive sample of studies pulled primarily from the Journal of Applied Behavior Analysis.

SAMPLE OF ABA INTERVENTIONS FOR THE TREATMENT OF SMOKING & DRUG ADDITION (EXAMPLES FROM A SPECIAL EDITION OF THE JOURNAL OF APPLIED BEHAVIOR ANALYSIS)

Chivers, L. L., Higgins, S. T., Heil, S. H., Proskin, R. W., Thomas, C. S. (2008). Effects of initial abstinence and programmed lapses on the relative reinforcing effects of cigarette smoking. *Journal of Applied Behavior Analysis*, 41(4), 481 – 498.

Dunn, W. D., Knealing, T. W., Needham, M. Wong, C. J. and Silverman, K. (2008). Attendance rates in a workplace predict subsequent outcome of employment-based reinforcement of cocaine abstinence in methadone patients. *Journal of Applied Behavior Analysis*, 41(4), 499 – 516.

Ghitza, U. E., Epstein, D. H., Schmittner, J., Vahabzadeh, M., Lin, J. L., and Preston, K. L. (2008). Effect of reinforcement probability and prize size on cocaine and heroin abstinence in prize-based contingency management. *Journal of Applied Behavior Analysis*, 41(4), 539 – 550.

Ledgerwood, D. M., Alessi, S. M., Hanson, T., Godley, M. D. and Petry, N. M. (2008). Contingency management of re-attendance to group substance abuse treatments administered by clinicians in community clinics. *Journal of Applied Behavior Analysis*, 41(4), 517 – 526.

SAMPLE OF INTERVENTIONS FOR THE TREATMENT OF PICA (INGESTING INEDIBLE OBJECTS)

Finney, J.W, Russo, D.C, & Cataldo, M.F. (1982). Reduction of pica in young children with lead poisoning. *Journal of Pediatric Psychology*, 7, 197-207.

Fisher, W. W., Piazza, C. C., Bowman, L. G., Kurtz, P. F., Sherer, M. R., & Lachman, S. R. (1994). A preliminary evaluation of empirically derived consequences for the treatment of pica. *Journal of Applied Behavior Analysis*, 27, 447-457.

McCord, B.E., Grosser, J. W., Iwata, B.A., & Powers, L.A. (2005). An analysis of response blocking parameters in the prevention of pica. *Journal of Applied Behavior Analysis*, 38, 391-394.

Piazza, C. C., Roane, H. S., Keeney, K. M., Boney, B. R., & Abt, K. A. (2002). Varying response effort in the treatment of pica maintained by automatic reinforcement. *Journal of Applied Behavior Analysis*, 35, 233-246.

SAMPLE OF APPLIED BEHAVIOR ANALYSIS TREATMENTS FOR INDIVIDUALS WITH BRAIN INJURY

Chapman, S. S., Ewing, C. B., & Mozzoni, M. P. (2005). Precision teaching and fluency training across cognitive, physical, and academic tasks in children with traumatic brain injury: A multiple baseline study. *Behavioral Interventions*, 20, 37-49.

Jacobs, H. E. (2000). Behavioral contributions to brain-injury rehabilitation. In J. Austin, & J. E. Carr (Eds.), *Handbook of applied behavior analysis* (pp. 211-230). Oakland, CA: New Harbinger Publications.

Johnson, K., & Davis, P. K. (1998). A supported relationships intervention to increase the social integration of persons with traumatic brain injuries. *Behavior Modification*, 22, 502-528.

Tasky, K. K., Rudrud, E. H., Schulze, K. A., & Rapp, J. T. (2008). Using choice to increase on task behavior in individuals with traumatic brain injury. *Journal of Applied Behavior Analysis*, 41, 261-265.

Wong, S. E., Seroka, P. L., & Ogisi, J. (2000). Effects of a checklist on self-assessment of blood glucose level by a memory-impaired woman with diabetes mellitus. *Journal of Applied Behavior Analysis*, 33, 251-254.

SAMPLE FROM BEHAVIORAL GERONTOLOGY INCLUDING THE TREATMENT OF INDIVIDUALS WITH DEMENTIA

- Adkins, V. K. & Mathews, R. M. (1997). Prompted voiding to reduce incontinence in community dwelling older adults. *Journal of Applied Behavior Analysis*, 30, 153-156.
- Allen-Burge, R., Stevens, A. B., & Burgio, L. D. (1999). Effective behavioral interventions for decreasing dementia-related challenging behavior in nursing homes. *International Journal of Geriatric Psychiatry*, 14, 213-232.
- Baker, J. C., Hanley, G. P., & Mathews, R. M. (2006). Staff administered functional analysis and treatment of aggression by an elder with dementia. *Journal of Applied Behavior Analysis*, 39, 469-474.
- Bourgeois, M. (1993). Effects of memory aids on the dyadic conversations of individuals with dementia. *Journal of Applied Behavior Analysis*, 26, 77-87.
- Burgio, L. D., & Burgio, K. L. (1986). Behavioral gerontology: Applications of behavioral methods to the problems of older adults. *Journal of Applied Behavior Analysis*, 19, 321-328.
- Dwyer-Moore, K. J., & Dixon, M. R. (2007). Functional analysis and treatment of problem behavior of elderly adults in long-term care. *Journal of Applied Behavior Analysis*, 40, 679-683.
- Spangler, P. F., Risley, T. R., & Bilyew, D. D. (1984). The management of dehydration and incontinence in nonambulatory geriatric patients. *Journal of Applied Behavior Analysis*, 17, 397-401.

SAMPLE OF STUDIES DEMONSTRATING APPLIED BEHAVIOR ANALYSIS WITH INDIVIDUALS WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD)

- Cook, Andrew, Bradley-Johnson, Sharon, & Johnson, Merle C. (2014). Effects of white noise on off-task behavior and academic responding for children with ADHD. *Journal of Applied Behavior Analysis*, 47, (1), 160-164.
- DuPaul, George J., Ervin, Ruth A., Hook, Christine L., & McGoey, Kara E. (1998). Peer tutoring for children with attention deficit hyperactivity disorder: effects on classroom behavior and academic performance. *Journal of Applied Behavior Analysis*, 31, (4), 579-592.
- Grauvogel-MacAleese, Alicia N., & Wallace, Michele D. (2010). Use of peer-mediated intervention in children with attention deficit hyperactivity disorder. *Journal of Applied Behavior Analysis*, 43, (3), 547-551.
- Neef, Nancy A., Bicard, David F., Endo, Sayaka, Coury, Daniel L., & Aman, Michael G. (2005). Evaluation of pharmacological treatment of impulsivity in children with attention deficit hyperactivity disorder. *Journal of Applied Behavior Analysis*, 38, (2), 135-146.
- Neef, Nancy A., Bicard, David F., & Endo, Sayaka (2001). Assessment of impulsivity and the development of self-control in students with attention deficit hyperactivity disorder. *Journal of Applied Behavior Analysis*, 34, (4), 397-408.
- Neef, Nancy A., Mackel, Julie, Ferreri, Summer J., Bicard, David F., Endo, Sayaka, Aman, Michael G., Miller, Kelly M., Jung, Sunhwa, Nist, Lindsay, & Armstrong, Nancy (2005). Behavioral assessment of impulsivity: A comparison of children with and without attention deficit hyperactivity disorder. *Journal of Applied Behavior Analysis*, 38, (1), 23-37.

SAMPLE OF APPLIED BEHAVIOR ANALYSIS STUDIES WITH INDIVIDUALS WITH DOWN SYNDROME, WILLIAMS SYNDROME, FRAGILE X, PRADER-WILLI SYNDROME

- Dalton, A. J., Rubino, C. A., & Hislop, M. W. (1973). Some effects of token rewards on school achievement of children with down's syndrome. *Journal of Applied Behavior Analysis*, 6, (2), 251-259.
- Farb, Joel & Throne, John M. (1978). Improving the generalized mnemonic performance of a Down's syndrome child. *Journal of Applied Behavior Analysis*, 11, (3), 413-419.
- Hall, Scott S., Maynes, Natalee P., & Reiss, Allan L. (2009). Using Percentile schedules to increase eye contact in children with Fragile X Syndrome. *Journal of Applied Behavior Analysis*, 42, (1), 171-176.
- Maglieri, Kristen A., DeLeon, Iser G., Rodriguez-Catter, Vanessa, & Sevin, Bart M. (2000). Treatment of covert food stealing in an individual with Prader-Willi Syndrome. *Journal of Applied Behavior Analysis*, 33, (4), 615-618.
- O'Reilly, Mark F., Lacey, Claire, & Lancioni, Giulio E. (2000). Assessment of the influence of background noise on escape-maintained problem behavior and pain behavior in a child with Williams Syndrome. *Journal of Applied Behavior Analysis*, 33, (4), 511-514

SAMPLE OF THE PRINCIPLES OF APPLIED BEHAVIOR ANALYSIS TO ENHANCE WORK PERFORMANCE IN BUSINESS AND OCCUPATIONAL SAFETY

- Ackley, G. B. E. and Bailey, J. S. (1995). Teaching performance management using behavior analysis. *The Behavior Analysts*, 73 – 81.
- Daniels, A. C., and Bailey, J. S. (2014) *Performance Management: Changing behavior that drives organizational effectiveness*. Atlanta GA: Aubrey Daniels International, Inc.
- Fox, D. K., Hopkins, B. L., and Anger, W. K. (1987). The long-term effects of a token economy on safety performance in open-pit mining. *Journal of Applied Behavior Analysis*, 20 (3), 215-224.
- Huber, V. L. (1984). The interplay of goals and promises of pay for performance on individuals and group performance: An operant interpretation. *Journal of Organizational Behavior Management*, 7 (3/4), 45-64.
- Komaki, J. Barwick, K. D., and Scott, L. R. (1978). A behavioral approach to occupational safety: Pinpointing and reinforcing safe performance in good manufacturing plan. *Journal of Applied Behavior Analysis*, 63 (4), 424 – 445.
- Sigurdsson, S. O., & Austin, J. (2008). Using real-time visual feedback to improve posture at computer workstations. *Journal of Applied Behavior Analysis*, 41 (3), 365-375.

SAMPLE OF APPLIED BEHAVIOR ANALYSIS IN THE FIELD OF SPORTS

- Brobst, Brandilea, & Ward, Phillip (2002). Effects of public posting, goal setting, and oral feedback on skills of female soccer players. *Journal of Applied Behavior Analysis*, 35 (3) 247–257.
- Boyer, Eva, Miltenberger, Raymond G., Batsche, Catherine, Fogel, Victoria, & LeBlanc, Linda (2009). Video modeling by experts with video feedback to enhance gymnastics skills. *Journal of Applied Behavior Analysis*, 42 (4) 855–860.
- Dowrick, Peter W., & Dove, Cynthia (1980). The use of self-modeling to improve the swimming performance of spina bifida children. *Journal of Applied Behavior Analysis*, 13, (1), 51-56.
- Komaki, J. and Barnett, F. (1977). A behavioral approach to coaching football: improving play execution of the offensive backfield on a youth football team. *Journal of Applied Behavior Analysis*, 10, (4), 657–661.
- Luiselli, James K., Woods, Kathryn E., & Reed, Derek D. (2011). Review of sports performance research with youth, collegiate, and elite athletes. *Journal of Applied Behavior Analysis*, 44, (4), 999–1002.
- Ward, Phillip, & Carnes, Michael (2002). Effects of postponing self-set goals on collegiate football player's skill execution during practice and games. *Journal of Applied Behavior Analysis*, 35, (1) 1–12.
- Ziegler, Susan G. (1987). Effects of stimulus cueing on the acquisition of groundstrokes by beginning tennis players. *Journal of Applied Behavior Analysis*, 20, (4), 405–411.
- Ziegler, Susan G. (1994). The effects of attentional shift training on the execution of soccer skills: A preliminary investigation. *Journal of Applied Behavior Analysis*, 35, (3), 657 – 661.

SAMPLE OF STUDIES USING APPLIED BEHAVIOR ANALYSIS TO TREAT FOOD REFUSAL

- Addison, Laura R., Piazza, Cathleen C., Patel, Meeta R., Bachmeyer, Melanie H., Rivas, Kristi M., Milnes, Suzanne M., & Oddo, Jackie (2012). A comparison of sensory integrative and behavioral therapies as treatment for pediatric feeding disorders. *Journal of Applied Behavior Analysis*, 45, (3), 455-471.
- Kern, Lee, & Mader, Tamara J. (1996). A comparison of simultaneous and delayed reinforcement as treatments for food selectivity. *Journal of Applied Behavior Analysis*, 29, (2), 243-246.
- Lamm, Nyla, & Greer, R. Douglas (1988). Induction and maintenance of swallowing responses in infants with dysphagia. *Journal of Applied Behavior Analysis*, 21, (2), 143-156.
- Lyons, Elizabeth A., Rue, Hanna C., Luiselli, James K., & DiGennaro, Florence D. (2007). Brief functional analysis and supplemental feeding for postmeal rumination in children with developmental disabilities. *Journal of Applied Behavior Analysis*, 40, (4), 743-747.
- Piazza, Cathleen C., Patel, Meeta R., Gulotta, Charles S., Sevin, Bart M., & Layer, Stacy A. (2003). On the relative contributions of positive reinforcement and escape extinction in the treatment of food refusal. *Journal of Applied Behavior Analysis*, 36, (3), 309-324.
- Tiger, Jeffrey H., & Hanley, Gregory P. (2006). Using reinforce pairing and fading to increase the milk consumption of a preschool child. *Journal of Applied Behavior Analysis*, 39, (3), 399-403.

SAMPLE OF APPLIED BEHAVIOR ANALYSIS FOR IMPROVING ACADEMIC ACHIEVEMENT

- Daly, E. J., & Martens, B. K. (1994). A comparison of three interventions for increasing oral reading performance: Application of the instructional hierarchy. *Journal of Applied Behavior Analysis*, 27, 459 – 469.
- Eckert T. L., Ardoin, S. P., Daly III, E. J., Martens, B. K. (2002). Improving oral motor reading fluency: A brief experimental analysis of combining an antecedent intervention with consequences. *Journal of Applied Behavior Analysis*, 35 (3), 271 – 281.
- Gortmaker, V. J., Daly, E. J., McCurdy, M., Persampieri, M. J., Hergenrader, M. (2007). Improving reading outcomes for children with learning disabilities: Using brief experimental analysis to develop parent –tutoring interventions. *Journal of Applied Behavior Analysis*, 40 (2), 203 - 221.
- Gardner, R., Heward, W. L., & Grossi, T. A. (1994). Effects of response cards on student participation and academic achievement: A systematic replication with inner-city students during whole-class science instruction. *Journal of Applied Behavior Analysis*, 27, 63-71.
- Greenwood, C. R., Terry, B., Arreaga-Mayer, C. & Finney, R. (1992). The classwide peer tutoring program: Implementation factors moderating student's achievements. *Journal of Applied Behavior Analysis*, 25, 102 – 116.

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