Curriculum Vitae

Michael J. Brusco

05-13-2024

GENERAL INFORMATION

University Address: Department of Business Analytics, Information Systems, &
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Florida State University
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Professional Preparation

1982   Associate in Arts (AA), Broward Community College, Davie, FL.

1985   Bachelor of Business Administration (BBA), Florida Atlantic University, Boca Raton, FL. Major: Marketing.

1986   Master of Business Administration (MBA), Florida State University, Tallahassee, Florida. Major: Business.

1990   Ph.D. in Business Administration, Florida State University, Tallahassee, FL. Major: Information and Management Sciences, Name of minor: Statistics. Dissertation supervisor: Michael J. Showalter.

Michael J. Brusco. (1990). An Evaluation of Nurse Staffing Policy Options in a Constrained Labor Environment. Unpublished doctoral dissertation, Florida State University, Tallahassee, Florida.

Professional Experience

1986-1990   Doctoral Student – Department of Information and Management Sciences, College of Business, Florida State University, Tallahassee, FL. Responsible for teaching undergraduate courses in operations management and computer programming.

1990-1991   Assistant Professor of Management – Department of Management, College of Business, Ithaca College, Ithaca, NY. Responsible for teaching undergraduate courses in operations management.

1991-1995   Assistant Professor of Management – Department of Management, College of Commerce, DePaul University, Chicago, IL. Responsible for teaching graduate and undergraduate courses in operations management.

1995-1998   Assistant Professor of Business Administration – Department of Information and Management Sciences, College of Business, Florida State University. Responsible for teaching graduate and undergraduate courses in operations management and operations research.

1998-2001   Associate Professor of Business Administration – Department of Information and Management Sciences, College of Business, Florida State University, Tallahassee, FL. Responsible for teaching graduate and undergraduate courses in operations management and operations research.

2001-2003   Associate Professor of Business Administration – Department of Marketing, College of Business, Florida State University, Tallahassee, FL. Responsible for teaching graduate and undergraduate courses in operations management, marketing research and operations research.

2003-2016   Professor of Business Administration – Department of Marketing, College of Business, Florida State University, Tallahassee, FL. Responsible for teaching graduate and undergraduate courses in operations management, marketing research and operations research.

2016-Present   Professor of Business Administration – Department of Business Analytics, Information Systems, & Supply Chain, College of Business, Florida State University, Tallahassee, FL. Responsible for teaching graduate and undergraduate courses in business analytics, operations management, and operations research.

2004-2022   Synovus Professor of Business Administration, College of Business, Florida State University, Tallahassee, FL.

2022-Present   Haywood & Betty Taylor Eminent Scholar in Business Administration, College of Business, Florida State University, Tallahassee, FL.

Honors, Awards, and Prizes

Recipient, Outstanding Research Award, Department of Management, DePaul University (1992)

Recipient, Outstanding Research Award, Department of Management, DePaul University (1994)

Recipient, Best Theoretical/Empirical Research Paper Award of the 1995 Decision Sciences National Meeting in Boston, Massachusetts (November, 1995).

Recipient, Best Application Paper Award of the 1996 Decision Sciences Institute National Meeting in Orlando, Florida (November, 1996).

Voted "Teacher of the Year", MIS Association, Florida State University (Spring 1998).

Voted "Outstanding MBA Teacher", MBA Association, Florida State University (Spring 2000).

Voted "Technical Professor of the Year", MBA Association, Florida State University (Spring 2001).

Recipient, Best Reviewer Award (*Psychometrika*), Psychometric Society (2017)

Recipient, Best Teaching Brief, *Decision Sciences Journal of Innovative Education* (2022)

Current Memberships in Professional Organizations

Christian Business Faculty Association.

Past Memberships in Professional Organizations

Academy of Management, American Marketing Association, Association for Psychological Science, Classification Society of North America, Decision Sciences Institute, Institute of Industrial Engineers, Institute for Operations Research and the Management Sciences, Psychometric Society.

TEACHING

Undergraduate Courses Taught: Operations Management (Ithaca College, DePaul, FSU), Operations Research (FSU), Quantitative Methods / Analytics (Ithaca College), Logistics (FSU), Marketing Research (FSU), Computer Programming (FSU), Service Sector Management (DePaul)

Master's Courses Taught: Operations Management (DePaul, FSU), Operations Research (FSU), Business Analytics (FSU), Marketing Analytics (FSU), Operations Strategy (DePaul), Quality Control (DePaul).

PhD Courses Taught: Quantitative Methods (FSU).

Online Courses Taught (all at the Master's level at FSU): Operations Management, Marketing Analytics, Business Analytics

Online Teaching Platforms Used: Canvas and Blackboard

New Course Development

MAR 5625 Marketing Analytics & Research (Summer 2010). I developed this course for the new Master's Degree in Marketing program. The course was taught for the first time in the summer of 2011.

Chair of Doctoral Dissertation Supervisory Committees

Susan Brudvig, Graduate. (2007). *From coarse to fine and weak to strong: The impact of scale granularity and rating strength on the ability of K-means to recover true cluster structure.*

Co-Chair of Doctoral Dissertation Supervisory Committees

Renu Singh, Graduate. (2006). *An empirical investigation into the effects of shopping motivation on store environment-value relationship.*

Member of Doctoral Dissertation Supervisory Committees

Tom DeWitt, Graduated. (2004).
Kishore Gopalakrishnan, Graduated. (2005).
Clay Voorhees, Graduated. (2006).
Jason Stoner, Graduated. (2007).
Hans-Friedrich Köhn, University of Illinois, Psychology, Graduated. (2007).
Daniel Aloise, University of Montreal, Mathematics, Graduated. (2009).
Gavin Fox, Graduated. (2009)
Edward Ramirez, Graduated. (2010).
Doug Johansen, Graduated. (2011).
Real Carbonneau, University of Montreal, Mathematics, Graduated. (2012).
Cinthia Satornino, Graduated. (2014).
Bill Montford. Graduated. (2016).
Sid Anderson, Graduated. (2016)
James Gaboardi, Geography. Graduated. (2019)

Chair of Bachelor's Thesis Supervisory Committees

Steven Vandercook, Bachelor's student. Graduated. (2011).

Member of Bachelor's Thesis Supervisory Committees

Meylin Perla, Bachelor's student. Graduated. (2016).

RESEARCH

Refereed Journal Articles

1991

1. Bechtold, S. E., Brusco, M. J., & Showalter, M. J. (1991). A comparative evaluation of labor tour scheduling methods. *Decision Sciences*, *22* (4), 683-699.

1993

2. Brusco, M. J., & Jacobs, L. W. (1993). A simulated annealing approach to the cyclic staff scheduling problem. *Naval Research Logistics*, *40* (1), 69-84.

3. Brusco, M. J., & Jacobs, L. W. (1993). A simulated annealing approach to the solution of flexible labor scheduling problems. *Journal of the Operational Research Society*, *44* (12), 1191-1200.

4. Brusco, M. J., Futch, J., & Showalter, M. J. (1993). Nurse staff planning under conditions of a nursing shortage. *Journal of Nursing Administration*, *23* (7/8), 58-64.

5. Brusco, M. J., & Showalter, M. J. (1993). Constrained nurse staffing analysis. *Omega*, *21* (2), 175-186.

6. Brusco, M. J., & Jacobs, L. W. (1993). Developing flexible personnel schedules using a microcomputer. *Work Study*, *42* (5), 5-8.

1994

7. Bechtold, S. E., & Brusco, M. J. (1994). Working set generation methods for labor tour scheduling. *European Journal of Operational Research*, *74* (3), 540-551.

8. Bechtold, S. E., & Brusco, M. J. (1994). A microcomputer-based heuristic for tour scheduling of a mixed workforce. *Computers and Operations Research*, *21* (9), 1001-1009.

9. Lauer, J., Jacobs, L. W., Brusco, M. J., & Bechtold, S. E. (1994). An interactive, optimization-based decision support system for scheduling computer lab attendants. *Omega*, *22* (6), 613-626.

1995

10. Bechtold, S. E., & Brusco, M. J. (1995). Microcomputer-based working set generation methods for personnel scheduling. *International Journal of Operations & Production Management*, *15* (10), 63-74.

11. Brusco, M. J., & Johns, T. R. (1995). The impact of demand smoothness and mean demand on tour scheduling heuristic performance. *International Journal of Operations & Production Management*, *15* (1), 74-88.

12. Brusco, M. J., & Johns, T. R. (1995). Improving the dispersion of surplus labor in personnel scheduling solutions. *Computers and Industrial Engineering*, *28* (4), 745-754.

13. Brusco, M. J., Jacobs, L. W., Bongiorno, R. J., Lyons, D., & Tang, B. (1995). Improving personnel scheduling at airline stations. *Operations Research*, *43* (5), 741-751.

14. Brusco, M. J., & Jacobs, L. W. (1995). Cost analysis of alternative formulations for personnel scheduling in continuous operating organizations. *European Journal of Operational Research*, *86* (2), 249-261.

15. Jacobs, L. W., & Brusco, M. J. (1995). Note: A local-search heuristic for large set-covering problems. *Naval Research Logistics*, *42* (7), 1129-1140.

1996

16. Brusco, M. J., & Johns, T. R. (1996). A sequential integer programming-based heuristic for discontinuous tour scheduling. *European Journal of Operational Research*, *95* (3), 537-548.

17. Jacobs, L. W. & Brusco, M. J. (1996). Overlapping start-time bands in implicit tour scheduling. *Management Science*, *42* (9), 1247-1259.

18. Venkataraman, R., & Brusco, M. J. (1996). An integrated analysis of nurse staffing and scheduling policies. *Omega*, *24* (1), 57-71.

1997

19. Brusco, M. J., Thompson, G. M., & Jacobs, L. W (1997). A morph-based simulated annealing heuristic for a modified bin-packing problem. *Journal of the Operational Research Society*, *48* (4), 433-439.

1998

20. Brusco, M. J. (1998). Solving personnel tour scheduling problems using the dual all-integer cutting plane. *IIE Transactions*, *30* (9), 835-844.

21. Brusco, M. J., & Jacobs, L. W. (1998). Eliminating redundant columns in continuous tour scheduling problems. *European Journal of Operational Research*, *111* (3), 518-525.

22. Brusco, M. J., & Jacobs, L. W. (1998). Personnel tour scheduling when starting-time restrictions are present. *Management Science*, *44* (4), 534-547.

23. Brusco, M. J., & Johns, T. R. (1998). Staffing a multi-skilled workforce with varying levels of productivity: An analysis of cross-training policies. *Decision Sciences*, *29* (2), 499-515.

24. Brusco, M. J., Johns, T. R., & Reed, J. (1998). Cross-utilization of a two-skilled workforce. *International Journal of Operations & Production Management*, *18* (6), 555-564.

1999

25. Brusco, M. J. (1999). Morph-based local-search methods for large-scale combinatorial data analysis. *Journal of Classification*, *16* (2), 163-180.

26. Brusco, M. J., Jacobs, L. W., & Thompson, G. M. (1999). A morphing procedure to supplement a simulated annealing heuristic for cost- and coverage-correlated set-covering problems. *Annals of Operations Research*, *86*, 611-627.

2000

27. Brusco, M. J., & Stahl, S. (2000). Using quadratic assignment methods to generate initial permutations for unidimensional scaling of symmetric proximity matrices. *Journal of Classification*, *17* (2), 197-223.

28. Brusco, M. J., & Jacobs, L. W. (2000). Optimal models for meal-break and start-time flexibility in continuous tour scheduling. *Management Science*, *46* (12), 1630-1641.

2001

29. Brusco, M. J. (2001). A simulated annealing heuristic for unidimensional and multidimensional (city-block) scaling of symmetric proximity matrices. *Journal of Classification*, *18* (1), 3-33.

30. Brusco, M. J. (2001). Seriation of asymmetric matrices using integer linear programming. *British Journal of Mathematical and Statistical Psychology*, *54* (2), 367-375.

31. Brusco, M. J., & Cradit, J. D. (2001). A variable selection heuristic for *K*-means clustering. *Psychometrika*, *66* (2), 249-270.

32. Brusco, M. J., & Jacobs, L. W (2001). Starting time decisions in labor tour scheduling: An experimental analysis and case study. *European Journal of Operational Research*, *131* (3), 459-475.

33. Brusco, M. J., & Stahl, S. (2001). An interactive approach to multiobjective combinatorial data analysis. *Psychometrika*, *66* (1), 5-24.

34. Brusco, M. J., & Stahl, S. (2001). Compact integer programming models for extracting subsets of stimuli from confusion matrices. *Psychometrika*, *66* (3), 405-420.

2002

35. Brusco, M. J. (2002). Integer programming methods for seriation and unidimensional scaling of proximity matrices: A review and some extensions. *Journal of Classification*, *19* (1), 45-67.

36. Brusco, M. J. (2002). Identifying a reordering of the rows and columns of multiple proximity matrices using multiobjective programming. *Journal of Mathematical Psychology*, *46* (6), 731-745.

37. Brusco, M. J. (2002). A branch-and-bound method for fitting anti-Robinson structures to symmetric dissimilarity matrices. *Psychometrika*, *67* (3), 459-471.

38. Brusco, M. J., Cradit, J. D., & Stahl, S. (2002). A simulated annealing heuristic for a bicriterion partitioning problem in market segmentation. *Journal of Marketing Research*, *39* (1), 99-109.

2003

39. Brusco, M. J. (2003). An enhanced branch-and-bound algorithm for a partitioning problem. *British Journal of Mathematical and Statistical Psychology*, *56* (1), 83-92.

40. Brusco, M. J., Cradit, J. D., & Tashchian, A. (2003). Multiobjective clusterwise regression for joint segmentation settings: An application to customer value. *Journal of Marketing Research*, *40* (2), 225-234.

2004

41. Brusco, M. J. (2004). Optimal solution methods for the minimum-backtracking row layout problem. *IIE Transactions*, *36* (1), 181-189.

42. Brusco, M. J. (2004). On the concordance among empirical confusion matrices for visual and tactual letter recognition. *Perception & Psychophysics*, *66* (3), 392-397.

43. Brusco, M. J. (2004). Clustering binary data in the presence of masking variables. *Psychological Methods*, *9* (4), 510-523.

44. Brusco, M. J., & Cradit, J. D. (2004). Graph coloring, minimum-diameter partitioning, and the analysis of confusion matrices. *Journal of Mathematical Psychology*, *48* (5), 301-309.

2005

45. Brusco, M. J., & Cradit, J. D. (2005). ConPar: A method for identifying groups of concordant subject proximity matrices for subsequent multidimensional scaling analyses. *Journal of Mathematical Psychology*, *49* (2), 142-154.

46. Brusco, M. J., & Cradit, J. D. (2005). Bicriterion methods for partitioning dissimilarity matrices. *British Journal of Mathematical and Statistical Psychology*, *58* (2), 319-332.

47. Brusco, M. J., & Stahl, S. (2005). Bicriterion seriation methods for skew-symmetric matrices. *British Journal of Mathematical and Statistical Psychology*, *58* (2), 333-343.

48. Brusco, M. J., & Stahl, S. (2005). Optimal least-squares unidimensional scaling: Improved branch-and-bound procedures and a comparison to dynamic programming. *Psychometrika*, *70* (2), 253-270.

2006

49. Brusco, M. J. (2006). A repetitive branch-and-bound algorithm for minimum within-cluster sums of squares partitioning. *Psychometrika*, *71* (2), 347-363.

50. Brusco, M. J. (2006). On the performance of simulated annealing for large-scale L_2 unidimensional scaling. *Journal of Classification*, *23* (2), 255-269.

51. Brusco, M., & Steinley, D. (2006). Inducing a blockmodel structure for two-mode binary data using seriation procedures. *Journal of Mathematical Psychology*, *50* (5), 468-477.

52. Brusco, M. J., & Steinley, D. (2006). Clustering, seriation, and subset extraction of confusion data. *Psychological Methods*, *11* (3), 271-286.

2007

53. Brusco, M. J. (2007). Measuring human performance on clustering problems: Some potential objective criteria and experimental research opportunities. *Journal of Problem Solving*, *1* (2), 33-51. Retrieved from http://docs.lib.purdue.edu/jps/vol1/iss2/5/ .

54. Brusco, M. J., & Stahl, S. (2007). An algorithm for extracting maximum cardinality subsets with perfect dominance or anti-Robinson structures. *British Journal of Mathematical and Statistical Psychology*, *60* (2), 333-351.

55. Brusco, M. J., & Steinley, D. (2007). A comparison of heuristic procedures for minimum within-cluster sums of squares partitioning. *Psychometrika*, *72* (4), 583-600.

56. Brusco, M., & Steinley, D. (2007). A variable neighborhood search method for generalized blockmodeling of two-mode binary matrices. *Journal of Mathematical Psychology*, *51* (5), 325-338.

57. Brusco, M. J., & Steinley, D. (2007). Exact and approximate algorithms for part-machine clustering based on a relationship between interval graphs and Robinson matrices. *IIE Transactions*, *39* (10), 925-935.

58. Stahl, S., & Brusco, M. (2007). On a linear assignment permutation test applied to parapsychological data: Computational enhancements and additional applications," *European Journal of Parapsychology*, *22* (1), 30-48.

59. Steinley, D., & Brusco, M. J. (2007). Initializing *K*-means batch clustering: A critical analysis of several techniques. *Journal of Classification*, *24* (1), 99-121.

2008

60. Brusco, M. J. (2008). An exact algorithm for a workforce allocation problem with application to an analysis of cross-training policies. *IIE Transactions*, *40* (5), 495-508.

61. Brusco, M. J. (2008). Scheduling advertising slots for television. *Journal of the Operational Research Society*, *59* (10), 1373-1382.

62. Brusco, M. J., Cradit, J. D., Steinley, D., & Fox, G. L. (2008). Cautionary remarks on the use of clusterwise regression. *Multivariate Behavioral Research*, *43* (1), 29-49.

63. Brusco, M. J., & Köhn, H.-F. (2008). Optimal partitioning of a data set based on the *p*-median model. *Psychometrika*, *73* (1), 89-105.

64. Brusco, M. J., & Köhn, H.-F. (2008). Comment on 'Clustering by passing messages between data points'. *Science*, 319 (February 8), 726c. Retrieved from http://www.sciencemag.org/content/319/5864/726.3.full.pdf .

65. Brusco, M. J., Köhn, H.-F., & Stahl, S. (2008). Heuristic implementation of dynamic programming for matrix permutation problems in combinatorial data analysis. *Psychometrika*, *73* (3), 503-522.

66. Brusco, M. J., Stahl, S., & Steinley, D. (2008). An implicit enumeration method for an exact test of weighted kappa. *British Journal of Mathematical and Statistical Psychology*, *61* (2), 439-452.

67. Brusco, M. J., & Steinley, D. (2008). A binary integer program to maximize the agreement between partitions. *Journal of Classification*, *25* (2), 185-193.

68. Steinley, D., & Brusco, M. J. (2008). Selection of variables in cluster analysis: An empirical comparison of eight procedures. *Psychometrika*, *73* (1), 125-144.

69. Steinley, D., & Brusco, M. J. (2008). A new variable weighting and selection procedure for *K*-means cluster analysis. *Multivariate Behavioral Research*, *43* (1), 77-108.

2009

70. Brusco, M. J., & Köhn, H.-F. (2009). Exemplar-based clustering via simulated annealing. *Psychometrika*, *74* (3), 457-475.

71. Brusco, M. J., & Köhn, H.-F. (2009). Clustering qualitative data based on binary equivalence relations: A neighborhood search heuristic for the clique partitioning problem. *Psychometrika*, *74* (4), 685-703.

72. Brusco, M. J., Singh, R., & Steinley, D. (2009). Variable neighborhood search heuristics for selecting subsets of variables in principal component analysis. *Psychometrika*, *74* (4), 705-726.

73. Brusco, M. J., & Steinley, D. (2009). Integer programs for one- and two-mode blockmodeling based on prespecified image matrices for structural and regular equivalence. *Journal of Mathematical Psychology*, *53* (6), 577-585.

74. Brusco, M. J., & Steinley, D. (2009). Cross-validation issues in multiobjective clustering. *British Journal of Mathematical and Statistical Psychology*, *62* (2), 349-368.

75. Brusco, M. J., Steinley, D., & Cradit, J. D. (2009). An exact algorithm for finding hierarchically well-formulated subsets in second-order polynomial regression. *Technometrics*, *51* (3), 306-315.

2010

76. Andrews, R. L., Brusco, M. J., & Currim, I. S. (2010). Amalgamation of partitions from multiple segmentation bases: A comparison of model-based and non-model-based procedures. *European Journal of Operational Research*, *201* (2), 608-618.

77. Andrews, R. L., Brusco, M. J., Currim, I. S., & Davis, B. (2010). An empirical comparison of methods for clustering problems: Are there benefits from having a statistical model? *Review of Marketing Science*, *8* (1), article 3, pages 1-32. Retrieved from http://www.bepress.com/romsjournal/vol8/iss1/art3/ .

78. Brusco, M. J., & Singh, R. (2010). Assigning commercial videotapes to time slots under alternative message spacing policies. *International Journal of Advertising*, *29* (3), 431-450.

79. Brusco, M. J., & Steinley, D. (2010). Neighborhood search heuristics for selecting hierarchically well-formulated subsets in polynomial regression. *Naval Research Logistics*, *57* (1), 33-44.

80. Brusco, M. J., & Steinley, D. (2010). *K*-balance partitioning: An exact method with application to generalized structural balance and other psychological contexts. *Psychological Methods*, *15* (2), 145-157.

81. Köhn, H.-F., Steinley, D., & Brusco, M. J. (2010). The *p*-median model as a tool for clustering psychological data. *Psychological Methods*, *15* (1), 87-95.

82. Liu, Y., Ram, S., Lusch, R., & Brusco, M. (2010). Multicriterion market segmentation: A new model, implementation and evaluation. *Marketing Science*, *29* (5), 880-894.

2011

83. Brusco, M. J. (2011). An exact algorithm for a core/periphery bipartitioning problem. *Social Networks*, *33* (1), 12-19.

84. Brusco, M. J. (2011). Analysis of two-mode network matrices using nonnegative matrix factorization. *Social Networks*, *33* (3), 201-210.

85. Brusco, M., Doreian, P., Mrvar, A., & Steinley, D. (2011). Linking theory, models, and data to understand social network phenomena: Two algorithms for relaxed structural balance partitioning. *Sociological Methods and Research*, *40* (1), 57-87.

86. Brusco, M. J., & Johns, T. R. (2011). An integrated approach to shift-starting time selection and tour schedule construction. *Journal of the Operational Research Society*, *62* (7), 1357-1364.

87. Brusco, M. J., & Steinley, D. (2011). Exact and approximate algorithms for variable selection in linear discriminant analysis. *Computational Statistics and Data Analysis*, *55* (1), 123-131.

88. Brusco, M., & Steinley, D. (2011). A tabu search heuristic for deterministic two-mode blockmodeling of binary network matrices. *Psychometrika*, *76* (4), 612-633.

89. Steinley, D., & Brusco, M. J. (2011). Evaluating mixture-modeling for clustering: Recommendations and cautions. *Psychological Methods*, *16* (1), 63-79.

90. Steinley, D., & Brusco, M. J. (2011). *K*-means clustering and mixture model clustering: Reply to McLachlan and Vermunt. *Psychological Methods*, *16* (1), 89-92.

91. Steinley, D., & Brusco, M. J. (2011). Choosing the number of clusters in *K*-means clustering. *Psychological Methods*, *16* (3), 271-285.

92. Steinley, D., Brusco, M. J., & Wasserman, S. (2011). Clusterwise *p** models for social network analysis. *Statistical Analysis and Data Mining*, *4* (5), 487-496.

2012

93. Brady, M. K., Voorhees, C. M., & Brusco, M. J. (2012). Service sweethearting: Its antecedents and customer consequences. *Journal of Marketing*, *76* (2), 81-98.

94. Brusco, M. J., & Steinley, D. (2012). A note on the estimation of the Pareto efficient set for multiobjective matrix permutation problems. *British Journal of Mathematical and Statistical Psychology*, *65* (1), 145-162.

95. Brusco, M. J., Steinley, D., Cradit, J. D., & Singh, R. (2012). Emergent clustering methods for empirical OM research. *Journal of Operations Management*, *30* (6), 454-466.

96. Liu, Y., Kiang, M., & Brusco, M. (2012). A unified framework for market segmentation and its applications. *Expert Systems with Applications*, *39* (11), 10292-10302.

97. Steinley, D., Brusco, M. J., & Henson, R. A. (2012). Principal cluster axes: A projection pursuit index for the preservation of cluster structures in the presence of data reduction. *Multivariate Behavioral Research*, *47* (3), 463-492.

2013

98. Brusco, M., Doreian, P., Lloyd, P., & Steinley, D. (2013). A variable neighborhood search method for a two-mode blockmodeling problem in social network analysis, *Network Science*, *1* (2), 191-212.

99. Brusco, M., Doreian, P., Mrvar, A., & Steinley, D. (2013). An exact algorithm for blockmodeling of two-mode network data. *Journal of Mathematical Sociology*, *37* (2), 61-84.

100. Brusco, M., Doreian, P., Steinley, D., & Satornino, C. B. (2013). Multiobjective blockmodeling for social network analysis. *Psychometrika*, *78* (3), 498-525.

101. Brusco, M. J., Köhn, H.-F., & Steinley, D. (2013). Exact and approximate methods for a one-dimensional minimax bin-packing problem. *Annals of Operations Research*, *206* (July), 611-626.

102. Fox, G. L., Smith, J. S., Cronin, J. J., & Brusco, M. J. (2013). Weaving webs of innovation. *International Journal of Operations & Production Management*, *33* (1), 5-24.

103. Ramirez, E., David, M., & Brusco, M. (2013). Marketing's SEM based nomological network: Constructs and research streams in 1987-1997 and in 1998-2008. *Journal of Business Research*, *66* (9), 1255-1260.

2014

104. Brusco, M. J. (2014). A comparison of simulated annealing algorithms for variable selection in principal component analysis and discriminant analysis. *Computational Statistics and Data Analysis*, *77* (1), 38-53.

105. Brusco, M. J., & Steinley, D. (2014). Model selection for minimum-diameter partitioning. *British Journal of Mathematical and Statistical Psychology*, *67* (3), 471-495.

2015

106. Brusco, M. J. (2015). A bicriterion algorithm for allocating a cross-trained workforce based on operational and human-resource objectives. *European Journal of Operational Research*, *247* (1), 46-59.

107. Brusco, M. J. (2015). An exact algorithm for maximizing grouping efficacy in part-machine clustering. *IIE Transactions*, *47* (6), 653-671.

108. Brusco, M. J. (2015). An iterated local search heuristic for cell formation. *Computers & Industrial Engineering*, *90* (December), 242-254.

109. Brusco, M. J., & Doreian, P. (2015). An exact algorithm for two-mode *KL*-means partitioning. *Journal of Classification*, *32* (October), 481-515.

110. Brusco, M., & Doreian, P. (2015). A real-coded genetic algorithm for two-mode *KL*-means partitioning with application to homogeneity blockmodeling. *Social Networks*, *41*, 26-35.

111. Brusco, M. J., Köhn, H.-F., & Steinley, D. (2015). An exact method for partitioning dichotomous items within the framework of the monotone homogeneity model. *Psychometrika*, *80* (4), 949-967.

112. Brusco, M. J., & Steinley, D. (2015). Affinity propagation and uncapacitated facility location problems. *Journal of Classification*, *32* (October), 443-480.

113. Hoffman, M., Steinley, D., & Brusco, M. J. (2015). A note on using the adjusted Rand index for link prediction in networks. *Social Networks*, *42*, 72-79.

114. Köhn, H.-F., Chiu, C.-Y., & Brusco, M. J. (2015). Heuristic cognitive diagnosis when the *Q*-matrix is unknown. *British Journal of Mathematical and Statistical Psychology*, *68* (2), 268-291.

115. Pillai, K. G., Brusco, M., Goldsmith, R., & Hofacker, C. (2015). Consumer knowledge discrimination. *European Journal of Marketing*, *49* (1/2), 82-100.

116. Steinley, D., Hendrickson, G., & Brusco, M. J. (2015). A note on maximizing the agreement between partitions: A stepwise optimal algorithm and some properties. *Journal of Classification*, *32* (1), 114-126.

2016

117. Brusco, M. J., Doreian, P., & Steinley, D. (2016). Biclustering methods for one-mode asymmetric matrices. *Behavior Research Methods*, *48* (2), 487-502.

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Conference Proceedings and Presentations

Bechtold, S. E., Brusco, M. J., & Showalter, M. J. (1988). A comparison of labor tour scheduling heuristics. Regular session presentation at the 1988 Decision Sciences Institute National Meeting, Las Vegas, Nevada, November, 1988.

Brusco, M. J., & Showalter, M. J. (1989). An evaluation of nurse staffing flexibility options. Regular session presentation at the 1989 Decision Sciences Institute National Meeting, New Orleans, Louisiana, November, 1989.

Brusco, M. J., & Bechtold, S. E. (1990). The development of effective working subset generation methods for the labor tour scheduling problem. Topic table presentation at the 1990 Decision Sciences Institute National Meeting, San Diego, California, November, 1990.

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Bechtold, S. E., Brusco, M. J., Jacobs, L. W., & Stahl, S. (1992). A labor tour scheduling application where the availability of labor is restricted. Proceedings and topic table presentation at the 1992 Decision Sciences Institute National Meeting, San Francisco, California, November, 1992.

Brusco, M. J., & Jacobs, L. W. (1992). A simulated annealing approach to labor tour scheduling. Proceedings and regular session presentation at the 1992 Decision Sciences Institute National Meeting, San Francisco, California, November, 1992.

Brusco, M. J., & Johns, T. R. (1992). The impact of labor requirements smoothness on tour scheduling heuristic performance. Proceedings and regular session presentation at the 1992 Decision Sciences Institute National Meeting, San Francisco, California, November, 1992.

Bechtold, S. E., Brusco, M. J., Jacobs, L. W., & Stahl, S. (1993). Scheduling computer lab attendance in a multiple location environment. Proceedings and regular session presentation at the 1993 Operations Management Association (UK) Annual Meeting, Coventry, UK, May, 1993.

Bechtold, S. E., & Brusco, M. J. (1993). A microcomputer-based approach for scheduling a mixed workforce. Regular session presentation at the 1993 Decision Sciences Institute National Meeting, Washington, D. C., November, 1993.

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Brusco, M. J., & Johns, T. R. (1994). Improving the dispersion of surplus labor in labor scheduling solutions. Proceedings and regular session presentation at the 1994 Decision Sciences Institute National Meeting, Honolulu, Hawaii, November, 1994.

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Venkataraman, R., & Brusco, M. J. (1994). An integrated analysis of nurse staffing and scheduling policies. Proceedings and regular session presentation at the 1994 Decision Sciences Institute National Meeting, Honolulu, Hawaii, November, 1994.

Brusco, M. J., & Johns, T. R. (1995). A sequential integer programming heuristic for discontinuous labor tour scheduling. Proceedings and regular session presentation at the 1995 Decision Sciences Institute National Meeting, Boston, Massachusetts, November, 1995. [Best Theoretical/Empirical Research Paper Award].

Jacobs, L. W., & Brusco, M. J. (1995). Overlapping start time bands in implicit tour scheduling. Proceedings and regular session presentation at the 1995 Decision Sciences Institute National Meeting, Boston, Massachusetts, November, 1995.

Brusco, M. J., & Johns, T. R. (1996). Staffing a multi-skilled workforce with varying levels of productivity: An analysis of cross-training policies. Proceedings and regular session presentation at the 1996 Decision Sciences Institute National Meeting, Orlando, Florida, November, 1996. [Best Application Paper Award].

Brusco, M. J., Thompson, G. M., & Jacobs, L. W. (1996). Supplementing a simulated annealing heuristic with morph-based improvement actions. Presented at the Symposium on Combinatorial Optimization (CO96), Imperial College of Science, Technology, and Medicine, London, UK, March, 1996.

Brusco, M. J., Thompson, G. M., & Jacobs, L. W. (1996). A morph-based simulated annealing heuristic for a modified bin-packing problem. Proceedings and regular session presentation at the 1996 Decision Sciences Institute National Meeting, Orlando, Florida, November, 1996.

Brusco, M. J., & Johns, T. R. (1997). Cross-utilization of a two-skilled workforce. Proceedings and regular session presentation at the 1997 Decision Sciences Institute National Meeting, Boston, Massachusetts, November, 1997.

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Brusco, M. J. (1999). Estimating the efficient set of partitions in multiobjective clustering. Presented at CSNA '99, Classification Society of North America, Pittsburgh, PA, June, 1999.

Brusco, M. J. (2000). A simulated annealing heuristic for unidimensional and multidimensional scaling of symmetric proximity matrices. Presented at CSNA '00, Classification Society of North America, Montreal, Canada, June, 2000.

SERVICE

Florida State University

University

Committee Member, Committee for Minority Graduate Enrollment (2001-2002).
Committee Member, Council for Research and Creativity, CRC (2003-2004)
Committee Member, Provost's Committee for College of Business Dean Search (2005)

College of Business

Committee Member, Undergraduate Policy and Curriculum Committee (1996-2001, 2016-2021)
Committee Member, MBA Advisory Committee (2000-2001).
Committee Member, College Promotion and Tenure Committee (2003-2004, 2016-2024).
Committee Member, Scholarship Committee (2007).
Committee Member, Strategic Planning Committee (2008-2009).
Committee Member, Ethics Roundtable (2010-2011).
Committee Member, Doctoral Alumnus Award Committee (2011-2016).
Committee Member, Awards Committee (2012-2013).
Committee Member, Faculty Awards Committee (2017, 2020, 2021)
Committee Member, MBA Admissions Committee (2021-2024)
Committee Member, MBA Policy Committee (2021-2024)

Department of Marketing

Committee Member, Comprehensive Exam Committee (2007-2016)
Committee Member, Annual Review Advisory Committee (2006-2016)
Committee Member, Doctoral Policy Committee (2002-2016)
Committee Member, Strategic Planning Committee (2007)

Department of Business Analytics

Committee Chair, Departmental P&T Committee (2017-2024)
Committee Chair, Faculty Evaluation Committee (2017-2024)

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The Profession

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Associate Editor

Associate Editor (2019-2023). *British Journal of Mathematical and Statistical Psychology*
Associate Editor (2019-2020). *Journal of Classification*

Editorial Review Board Membership(s)

Editorial Board Member (2001-2018). *Journal of Classification*.
Editorial Board Member (2005-2018). *Journal of Problem Solving*.
Editorial Board Member (2022-2024). *Psychological Methods*.

Guest (Ad hoc) Reviewer for Refereed Journals

(1994-2010). Management Science
(1994-2011). Decision Sciences
(1994-2014). Computers and Operations Research
(1994-2018). European Journal of Operational Research
(1995-2011). Journal of Operations Management
(2005, 2012). Production and Operations Management
(2006-2009). IIE Transactions
(2007). Manufacturing and Services Operations Management
(2007-2011). Journal of the Operational Research Society
(2010, 2014). Operations Research
(2015-2018). Computers and Industrial Engineering
(2015-2017). International Journal of Operations and Production Management
(2016). Naval Research Logistics
(2020-2023) INFORMS Transactions on Education
(2022) Decision Sciences Journal of Innovative Education
(2004, 2013). Journal of Marketing Research
(2010). Marketing Science
(2009-2016). Computational Statistics and Data Analysis
(2011). Statistical Analysis and Data Mining
(2013-2015, 2021) Advances in Data Analysis and Classification
(2004-2024). Psychological Methods
(2004-2020). Psychometrika
(2005-2018). British Journal of Mathematical and Statistical Psychology
(2007). Journal of Mathematical Psychology
(2021). Psychiatry Research
(2008-2024). Multivariate Behavioral Research
(2019-2024). Behavior Research Methods
(2010-2020). Social Networks
(2014-2017). Network Science
(2014) Sociological Methods and Research

Service to Professional Associations

Board Member, Classification Society of North America (2001-2003).
Conference Program Chair, Annual Meeting, Classification Society of North America (2003).