Project Client Name Students Arlington Police Department 1 Arlington Police Department - Crime Management Blake Robinson, Ron Andrews 2 Criss-Cross Applesauce: Concentra Cross-Centers Staffing Model Concentra 2011 Devin A. Kyles, Daniel I. Olivares and Beverley A. Ross Forecasting Patient Turnaround Times at Concentra Urgent Care Facilities
 Call Center Scheduling: Federal Reserve Bank of Dallas Juan Barrientos, Sajid Islam and Alisha Manzo Federal Reserve Bank of Dallas 2011 Alex Grossjean and Briana Bauer Marcelo G. Sada, Fernando G. Sada and Javier Gonzalez Diana Batten and Maddie Kamp Preston Holcombe, Jon Barger and Jeff Swafford Natalie Davies and Jeylan Buyukdura 5 Optimizing Product Transportation at Frito Lay 6 Lennox Industries: Attrition Probabilities Frito Lay Lennox Industries 2011 2011 7 A Priority Travel System for the North Texas Food Bank North Texas Food Bank 2011 8 Terrell Preventable Readmission Project Parkland Hospital 9 Flying High with Southwest Airlines Southwest Airlines 2011 Broderick Mitchell and Tony Sanders 10 St. Vincent de Paul Thrift Store: Sales and Opportunity Analysis 11 A Retail Labor Planning Model Ali Ruzo, Sam Kenney, Lauren Schick and Spencer Kilpatrick Victoria Cohen, Erin Gripp, Carolyn Taricco St. Vincent de Paul Alix Partners 2010 12 Financial Asset Allocation and Optimizat+C224ion 13 Club-Building Inventory-Level Modeling 14 Modeling the Infrastructure Impact of an EMP Event Capstone Financial Services Frito-Lay 2010 Mallory Harrison and Natalie Jaroski Matt Alfano and Brittany Masi Lockheed Martin Missiles and Fire Control Stephen Beckert, Brandon Joslin, and Pierce Meier 2010 15 Improving Customer Service in an Outpatient Blood/EEG Lab 16 Improving the Operation of Warehouse Cold-Storage Areas Methodist Dallas Medical Center Kyle Chester, Kristin Evanto, Emily Gray Nafees Ahmed, Prajyot Bangera, Pablo De Santiago, Shahzad Rahimian North Texas Food Bank 2010 17 Loan Car Inventory Management Model 18 Forecasting Sales: A Step Towards Better Inventory Management Sewell Cadillac Sewell Infiniti Quinn Myers Jordan Whitteberry 2010 2010 19 Line-Level Analysis of Airline On-Time Performance Southwest Airlines 2010 Brandon Cabello, Courtney Guenard, and Stacy Moskowitz 20 Modeling the Effect of Kiosk Layout on Passenger Check-in Efficiency
21 More Than Just Great Food: Factors Influencing Customer Traffic in Restaurants Southwest Airlines (confidential) Kristin Mannino and Bret Oswald Emily Moravec, Megan Siems, Christine Van Horn 2009 22 Improving Inventory Control 23 Analyzing Telecom Mergers John Knezevic, Mark Mastrangeli Julianna LaFerney, Casey O'Brien Alix Partner 2009 Dr. Sbeit / EMIS Undergrad Capstone Project 2009 24 Federal Reserve Call Center Scheduling Problem Federal Reserve Bank of Dallas 2009 Morgan Brunz, Brittany McCluskey 25 Microtune: Tuning In On the Market
26 Scheduling Agency Pick-ups at the North Texas Food Bank Microtune Andrew Bass, Chris Ginder, Shan Zaidi North Texas Food Bank Allison Griffin, Megan Walker, Pragya Lohani 2009 27 Determining optimal plywood and lumber product mix 28 Southwest Airlines: A Look at Logistics Case Study Southwest Airlines 2009 Nour Abusand, Emily Batten, Yan Jin Dustin Aschenbach, Ben Hirvela, Andrew 2009 29 Gulf Freeway Evacuation Texas Dept of Transportation 2009 Ava Damri, Calvin Smellage, Al Zinkand 30 The Wealth of Nations: A Study of Political Institutions and Economic Growth Kathryn Gotcher, Kyle Merino, Greg Moran 31 Bid Analysis and Selection Model Alix Partners 2008 Matt Hale 32 Soccer League Scheduling Model – Sherif Khalifa 33 Film-Shoot Scheduling Model Sherif Khalifa Jay Mandyam Lake Highlands Soccer Association วกกล Meadows School 2008 34 Orange Farm Management Model 35 Software Purchase Management Model Rafael Alvarez, Sylia Gallegos, Juan Carlos Gonzalez, and Sky Noyd Ellen Cieszkiewicz, Allen Haley, Heather Schofield Family Orange Farm 2008 Raytheon 36 Double-Major Student Advising System SMU 2008 Daniel Liu 37 Game Parking Evacuation Simulation 38 Budget Request and Allocation System SMU 2008 Conner Huckaby, Katelyn Pratt, Sarah Rives SMU Student Senate 2008 Kevin Lavelle 39 Film Shoot Scheduling Model Using Constraint Programming Meadows Film Class 2007 Jay Mandayam 40 Simplifying the SMU Enrollment Planning Process SMU Advisors 2007 Daniel Liu 41 SMU Evacuation Simulation 42 EMIS Course Scheduling System SMU Parking Conner Huckaby, Katelyn Pratt, Sarah Rives 2007 Chris Noon, Ashton Nixon, Ross Sewell, and Trevor Weichman **EMIS Department** 2006 43 Traffic Flow: Simulating dynamic vs. static tollroad pricing 44 Optimizing an Inventory Order Simulation Nora Shora, Laura Tatsch Kristin March, Laura Bailey, Rachel Potter, Allison Bass Khalid Abdelghani 2006 Achieve Healthcare Technologies 2006 45 Analysis of Statistical Trends between Design and Comfort at Chili's Restaurants 46 Application of the AHP in the Environmental Management System Chili's 2005 Asif Hussain, Kristyn Starr Bureau of Engraving and Printing Elaine Cochran 2005 47 Frito-Lay and Sam's Club: The Pick N' Pack Aggregate Christian Edison, Ashlev Mills, Steven Rumpler Frito-Lav 2005 Andrew Chambers, Kim Greene, Julia Marrett Gustavo Carrere, Marcus Klintmalm 48 Automatic Data Collection System Implementation and Forecasting Improvements Hi Line 49 Order Management at Heeling Sports Ltd. Heeling Sports Ltd. 2005 Gustavo Carrier, Waltus Kintinanii Naomi Hernander, Sachin Kumar Jason Rodriguez, Rob Surtees Christopher Davis, Benjamin Luong, Cuong Ngo, Diem Nguyen, Shanta Ramdhanny Andrew Conway, Marcos Garza, Tabatha Olaecha, Jennifer Keen, Marcus Wentrcek 50 Planning, Scheduling and Optimizing at UPS 51 Project Mercury: Connecting Tooling and Operators at Sanmina-SCI UPS 2005 Sanmina-SCI 2005 52 Alcon Labs: Project CHIRON Alcon Labs 2004 53 Expediting the Changeover Time at the American Airlines Cente 54 Forecasting Models for Change in the Construction Industry Austin Commercial 2004 David Walls 55 Optimizing Patient Throughput: Baylor University Medical Center 56 Dallas Central Appraisal District: Property Valuation Project Baylor University Medical Center Dallas Central Appraisal District Katy Moffett, Carolyn Trimble, Jessica Trimmer, Ashley VanMeter Mark Haddad, Tim Hampton 2004 2004 57 Optimal Group Assignment and Scheduling Model 58 Aircraft Engine Repair Scheduling for Pratt & Whitney 59 Gas Marketing Quest Case Study Pratt & Whitney 2004 Mark Turner Michael DeVore 2004 John Jarvis, Claudia Johnson, Liana Vetter Quest Resource 60 Client Activity Analysis: Identification of Behavioral Patterns and Revenue Impact 61 Model for Airline Ticket Counter Staffing Concentra Health Care Sabre Holdings Uche Kalu, Dionna Matlock, Brandi Miller Lauren Duplantis, Hamel Husain, Francisco Villagran 2003 2003 62 Simulation of UPS Denton Sorting Operations UPS 2003 63 UPS: Small Short Design Daniel Carlisle, Lacey Davis, Adrian Diaz 64 Visit Forecasting Using Economic Indicators (Concentra Health Care) Concentra Health Care 2003 Jon Brager, Kean Hiri, Kristi Weichmann 65 Simulation of the WAC 2003 Football Schedule 66 Baylor Asthma Center Time Study Analysis WAC 2003 Matt Ladky, Brian Slater, Andrew Doyle, and John Porter Jonathan Adamson, Ashley Noble, Edward Tarnawa Baylor Asthma Care 2002 67 Forecasting for the Future: A Forecasting Model for Brinker International Brinker International 2002 Latonya Morris, James Orr 68 Capacity Planning and Optimization for Projected Growth Brinker International Mark Bacon, Michael Breed 2002 69 Coca-Cola Distribution of North Texas 70 Cost-Benefit Analysis of Research Support Systems Coca-Cola 2002 Steven Owen, Nicole Robinson, Nina Trujillo Federal Reserve Bank Paul Benes, Robert Sine 2002 70 Uss/Beneink Arlaysis of research support Systems
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Benchmark Dry Cleaner and Laundry, Inc. 2000 1999 85 Caledonia Natural Gas Storage Project Caledonia Field 1999 Darby Grande Dallas Symphony Orchestra Keely Casady, Marc Sanderson 86 Dallas Symphony 87 Dallas Zoo Dallas Zoo 1999 Guidry, Rodriguez 88 Freres Plywood Manufacturing 89 Educational Advancements Through Video Games Freres Lumber Co. Inc. 1999 T. Kyle Freres, Andrew Witt Case Study 1999 Lucas A. Guerra 90 Class Scheduler for SMU Math Department SMU Math Department 1999 Dameon Booker, Antonio de Roux, Jose Esparza, John Faut 91 Baylor Heart Hospital
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