

76 Easy Science Experiments Using Materials You Already Have On Hand

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Ian Pickup



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Expedition Web Scraping and Data Collection Techniques 5 Painting with Data Exploration and Visualization 6 Data Alchemy Cleaning and Preprocessing Raw Data 7 Machine Learning Magic An Introduction to Predictive Modeling 8 Exploring Regression Linear Logistic and Advanced Methods 9 Unveiling Patterns with k Nearest Neighbors and Na ve Bayes 10 Exploring Tree Based Models Decision Trees to Gradient Boosting 11 Support Vector Machines Simplifying Complexity 12 Dimensionality Reduction From PCA to Advanced Methods 13 Unlocking Unsupervised Learning 14 The Essence of Neural Networks and Deep Learning 15 Word Play Text Analytics and Natural Language Processing 16 Crafting Recommender Systems 17 Data Storage Mastery Databases and Efficient Data Management 18 Data Science in Action A Comprehensive End to end Project

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Inquiry to Improve Teaching and Learning helps educators use research to guide decision making and determine the effectiveness of various instructional strategies The book leads the reader through the action research process using a model of self regulation which focuses on task definition goal setting and planning enacting research and adaption Written specifically for educators who may not feel prepared to measure the impact of interventions on student learning outcomes the book provides very practical and useful tools containing specific examples that are relevant to teachers everyday reality The text also reinforces how action research can improve the teaching and learning process by reinforcing or changing perceptions about the use of informal data including anecdotal notes or observations in the research process **Make:**

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Shinohara, 2003-07-31 Annotation This book documents the scientific outcome and constitutes the final report of the Japanese research project on discovery science During three years more than 60 scientists participated in the project and developed a wealth of new methods for knowledge discovery and data mining The 52 revised full papers presented were carefully reviewed and span the whole range of knowledge discovery from logical foundations and inductive reasoning to statistical inference and computational learning A broad variety of advanced applications are presented including knowledge discovery and data mining in very large databases knowledge discovery in network environments text mining information extraction rule mining Web mining image processing and pattern recognition **Success with STEM** Sue Howarth, Linda

Scott, 2014-11-13 Success with STEM is an essential resource packed with advice and ideas to support and enthuse all those involved in the planning and delivery of STEM in the secondary school It offers guidance on current issues and priority areas to help you make informed judgements about your own practice and argue for further support for your subject in school It

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