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Eğitim Bilgileri

Doktora, University of London-Queen Mary and Westfield College, School of Electronic Engineering and Computer Science, Computer Science, Birleşik Krallık 2010 - 2014
Yüksek Lisans, Chalmers Tekniska Högskola (Chalmers University of Technology), Technology Management & Economics, Quality and Operations Management, İsveç 2008 - 2010
Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Türkiye 2004 - 2008

Araştırma Alanları

Bilgisayar Bilimleri, Benzetim ve Modelleme, Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma, Belirsizlik Yönetimi , Karar Destek Sistemleri

Akademik Unvanlar / Görevler

Doç. Dr., Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişsel Bilimler Anabilim Dalı, 2022 - Devam Ediyor
Dr. Öğr. Üyesi, Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişsel Bilimler Anabilim Dalı, 2020 - 2022
Dr. Öğr. Üyesi, Hacettepe Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2015 - 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Secondary data analysis using Evidence-Based Bayesian Networks with an application to investigate the determinants of childhood stunting**
YET B., Öykü Başerdem E., Rosenstock T.
Expert Systems with Applications, cilt.256, 2024 (SCI-Expanded)

II. **Bayesian networks may allow better performance and usability than logistic regression**
Wohlgemut J. M., Pisirir E., Stoner R. S., Kyrimi E., YET B., Marsh W., Perkins Z. B., Tai N. R. M.
Critical Care, cilt.28, sa.1, 2024 (SCI-Expanded)

III. **Multicriteria decision support under uncertainty: combining outranking methods with Bayesian networks**
Cebesoy M., TUNCER ŞAKAR C., YET B.
ANNALS OF OPERATIONS RESEARCH, 2024 (SCI-Expanded)

IV. **Statistical modelling of determinants of child stunting using secondary data and Bayesian networks: a UKRI Global Challenges Research Fund (GCRF) Action Against Stunting Hub protocol paper**
Rosenstock T. S., YET B.
BMJ PAEDIATRICS OPEN, cilt.8, sa.SUPPL_1, 2024 (SCI-Expanded)

V. **The Role of Honor Concerns in Disclosing (vs. Hiding) COVID-19 Diagnosis: Insights from Türkiye**
Ceylan-Batur S., Doğulu C., Akbaş G., YET B., Uskul A. K.
Sex Roles, cilt.89, sa.7-8, ss.409-424, 2023 (SSCI)

VI. **A Multicriteria Method to Form Optional Preventive Maintenance Plans: A Case Study of a Large Fleet of Vehicles**
Guner G. G., Sakar C. T., YET B.
IEEE Transactions on Engineering Management, cilt.70, sa.6, ss.2153-2164, 2023 (SCI-Expanded)

VII. **Celecoxib Nanoformulations with Enhanced Solubility, Dissolution Rate, and Oral Bioavailability: Experimental Approaches over In Vitro/In Vivo Evaluation**
Arslan A., YET B., NEMUTLU E., AKDAĞ ÇAYLI Y., EROĞLU H., ÖNER L.
Pharmaceutics, cilt.15, sa.2, 2023 (SCI-Expanded)

VIII. **Reliability prediction for aircraft fleet operators: A Bayesian network model that combines supplier estimates, maintenance data and expert judgement**
Kucuker F. U., Yet B.
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, cilt.74, sa.10, ss.2187-2198, 2023 (SCI-Expanded)

IX. **Reducing the question burden of patient reported outcome measures using Bayesian networks**
Yuceturk H., Gulle H., TUNCER ŞAKAR C., Joyner C., Marsh W., ÜNAL E., Morrissey D., YET B.
JOURNAL OF BIOMEDICAL INFORMATICS, cilt.135, 2022 (SCI-Expanded)

X. **Early Identification of Trauma-induced Coagulopathy: Development and Validation of a Multivariable Risk Prediction Model.**
Perkins Z., Yet B., Marsden M., Glasgow S., Marsh W., Davenport R., Brohi K., Tai N.
Annals of surgery, cilt.274, 2021 (SCI-Expanded)

XI. **Effectiveness of intubation devices in patients with cervical spine immobilisation: a systematic review and network meta-analysis**
Singleton B. N., Morris F. K., YET B., Buggy D. J., Perkins Z. B.
BRITISH JOURNAL OF ANAESTHESIA, cilt.126, sa.5, ss.1055-1066, 2021 (SCI-Expanded)

XII. **Analyzing the Simonshaven Case Using Bayesian Networks**
Fenton N., Neil M., Yet B., Lagnado D.
TOPICS IN COGNITIVE SCIENCE, cilt.12, sa.4, ss.1092-1114, 2020 (SSCI)

XIII. **Predicting the Outcome of Limb Revascularization in Patients With Lower-extremity Arterial Trauma: Development and External Validation of a Supervised Machine-learning Algorithm to Support Surgical Decisions.**
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XIV. **Estimating criteria weight distributions in multiple criteria decision making: a Bayesian approach**
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ANNALS OF OPERATIONS RESEARCH, cilt.293, sa.2, ss.495-519, 2020 (SCI-Expanded)

XV. **Integrating Risk into Project Control Using Bayesian Networks**
PİŞİRİR E., Su Y., YET B.
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, cilt.19, sa.5, ss.1327-1352, 2020 (SCI-Expanded)

XVI. **Evidence-based investment selection: Prioritizing agricultural development investments under climatic and socio-political risk using Bayesian networks**
YET B., Lamanna C., Shepherd K. D., Rosenstock T. S.
PLOS ONE, cilt.15, sa.6, 2020 (SCI-Expanded)

XVII. **Building Bayesian networks based on DEMATEL for multiple criteria decision problems: A supplier selection case study**

Kaya R., YET B.

EXPERT SYSTEMS WITH APPLICATIONS, cilt.134, ss.234-248, 2019 (SCI-Expanded)

XVIII. **Cyber-physical-based PAT (CPbPAT) framework for Pharma 4.0**

VATANKHAH BARENJI R., Akdag Y., YET B., ÖNER L.

INTERNATIONAL JOURNAL OF PHARMACEUTICS, cilt.567, 2019 (SCI-Expanded)

XIX. **Long-term, patient-centered outcomes of lower-extremity vascular trauma**

Perkins Z. B., YET B., Glasgow S., Marsh D. W. R., Tai N. R. M., Rasmussen T. E.

JOURNAL OF TRAUMA AND ACUTE CARE SURGERY, cilt.85, 2018 (SCI-Expanded)

XX. **An improved method for solving Hybrid Influence Diagrams**

YET B., Neil M., Fenton N., Constantinou A., Dementiev E.

INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, cilt.95, ss.93-112, 2018 (SCI-Expanded)

XXI. **Expected Value of Partial Perfect Information in Hybrid Models Using Dynamic Discretization**

YET B., Constantinou A., Fenton N., Neil M.

IEEE ACCESS, cilt.6, ss.7802-7817, 2018 (SCI-Expanded)

XXII. **The role of splenic angioembolization as an adjunct to nonoperative management of blunt splenic injuries: A systematic review and meta-analysis**

Crichton J. C. I., Naidoo K., YET B., Brundage S. I., Perkins Z.

JOURNAL OF TRAUMA AND ACUTE CARE SURGERY, cilt.83, sa.5, ss.934-943, 2017 (SCI-Expanded)

XXIII. **Clinical evidence framework for Bayesian networks**

YET B., Perkins Z. B., Tai N. R. M., Marsh D. W. R.

KNOWLEDGE AND INFORMATION SYSTEMS, cilt.50, sa.1, ss.117-143, 2017 (SCI-Expanded)

XXIV. **How to model mutually exclusive events based on independent causal pathways in Bayesian network models**

Fenton N., Neil M., Lagnado D., Marsh W., YET B., Constantinou A.

KNOWLEDGE-BASED SYSTEMS, cilt.113, ss.39-50, 2016 (SCI-Expanded)

XXV. **A Bayesian network framework for project cost, benefit and risk analysis with an agricultural development case study**

YET B., Constantinou A., Fenton N., Neil M., Luedeling E., Shepherd K.

EXPERT SYSTEMS WITH APPLICATIONS, cilt.60, ss.141-155, 2016 (SCI-Expanded)

XXVI. **Value of information analysis for interventional and counterfactual Bayesian networks in forensic medical sciences**

Constantinou A. C., YET B., Fenton N., Neil M., Marsh W.

ARTIFICIAL INTELLIGENCE IN MEDICINE, cilt.66, ss.41-52, 2016 (SCI-Expanded)

XXVII. **Meta-analysis of prognostic factors for amputation following surgical repair of lower extremity vascular trauma**

Perkins Z. B., YET B., Glasgow S., Cole E., Marsh W., Brohi K., Rasmussen T. E., Tai N. R. M.

BRITISH JOURNAL OF SURGERY, cilt.102, sa.5, ss.436-450, 2015 (SCI-Expanded)

XXVIII. **Combining data and meta-analysis to build Bayesian networks for clinical decision support**

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JOURNAL OF BIOMEDICAL INFORMATICS, cilt.52, ss.373-385, 2014 (SCI-Expanded)

XXIX. **Compatible and incompatible abstractions in Bayesian networks**

YET B., Marsh D. W. R.

KNOWLEDGE-BASED SYSTEMS, cilt.62, ss.84-97, 2014 (SCI-Expanded)

XXX. **Not just data: A method for improving prediction with knowledge**

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JOURNAL OF BIOMEDICAL INFORMATICS, cilt.48, ss.28-37, 2014 (SCI-Expanded)

XXXI. **Decision support system for Warfarin therapy management using Bayesian networks**

YET B., Bastani K., Raharjo H., Lifvergren S., Marsh W., Bergman B.

DECISION SUPPORT SYSTEMS, cilt.55, sa.2, ss.488-498, 2013 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Assessing Serious Spinal Pathology Using Bayesian Network Decision Support: Development and Validation Study**
Hill A., Joyner C. H., Keith-Jopp C., Yet B., Tuncer Sakar C., Marsh W., Morrissey D.
JMIR FORMATIVE RESEARCH, cilt.7, ss.44187, 2023 (ESCI)

II. **A Bayesian Network Decision Support Tool for Low Back Pain Using a RAND Appropriateness Procedure: Proposal and Internal Pilot Study**
Hill A., Joyner C. H., Keith-Jopp C., YET B., TUNCER ŞAKAR C., Marsh W., Morrissey D.
JMIR RESEARCH PROTOCOLS, cilt.10, sa.1, 2021 (ESCI)

III. **Football Analytics using Bayesian Networks: the FutBA Model**
Karabıyık M., YET B.
Pamukkale University Journal of Engineering Sciences, cilt.25, sa.1, ss.121-131, 2019 (Hakemli Dergi)

IV. **Çok Kriterli Karar Verme Problemlerinde Fayda Fonksiyonu Ağırlıklarının Tahmin Edilmesi için Matematiksel Model Temelli bir Yöntem**
TUNCER ŞAKAR C., YET B.
Uludağ University Journal of The Faculty of Engineering, cilt.23, sa.1, ss.379-402, 2018 (Hakemli Dergi)

V. **COTTAPP: An Online University Timetable Application based on a Goal Programming Model**
Dursun T., Sü Y., Coşgun R., Durak A. S., YET B.
International Journal of Intelligent Systems and Applications in Engineering, cilt.3, sa.5, ss.117-123, 2017 (Hakemli Dergi)

VI. **Using operational data for decision making a feasibility study in rail maintenance**
Marsh W., Nur K., YET B., Majumdar A.
Safety and Reliability, cilt.36, sa.1, ss.35-47, 2016 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Learning and planning to solve boulder climbing problems**
Türedioğlu M., Yet B., Demirtaş K.
10th MathSport International Conference, Budapest, Macaristan, 26 Haziran 2023, ss.70-75

II. **Creating semantically related and unrelated word lists for episodic memory research using word embeddings**
Büyükyaprak B., KILIÇ ÖZHAN A., YET B.
9th International Symposium on Brain and Cognitive Science, İstanbul, Türkiye, 07 Mayıs 2023

III. **Ciddi Oyunlar ile Ortak Karar Verme**
SÜLÜN A., YET B.
14. Tıp Bilişimi Kongresi, İzmir, Türkiye, 16 Mart 2023, ss.154-157

IV. **Decision Support for Project Management by using Diagnostic Inference and Explaining-Away in Bayesian Networks**
YET B., PİŞİRİR E.
6th International Conference on Decision Support System Technology (ICDSST 2020), Zaragoza, İspanya, 27 - 29 Mayıs 2020, ss.131-136

V. **Sınırlı Sayıda Veri ile Güvenilirlik Tahmini: SARP Modeli**
KÜÇÜKER F. U., YET B.
Sekizinci Ulusal Savunma Uygulamaları Modelleme ve Simulasyon Konferansı - USMOS 2019, Ankara, Türkiye, 19 - 20 Kasım 2019, ss.327-338

VI. **Improved Software Reliability Prediction by Using Model Stacking and Averaging**
Karaomer R. B., YET B., CHOUSEİNOGLOU O.
45th Euromicro Conference on Software Engineering and Advanced Applications (SEAA) / 22nd Euromicro Conference on Digital System Design (DSD), Kallithea, Yunanistan, 28 - 30 Ağustos 2019, ss.186-192

VII. **Probabilistic Earned Value Management Using Bayesian Networks**
YET B., SÜ Y.
INFORMS 2018, Phoenix, Amerika Birleşik Devletleri, 2 - 06 Kasım 2018, ss.488

VIII. **A Probabilistic Approach for Indirect Elicitation of the Preferences of a Decision Maker**
YET B., TUNCER ŞAKAR C.
BALCOR 2018 - XIII Balkan Conference on Operational Research, Belgrade, Sırbistan Ve Karadağ, 25 - 28 Mayıs 2018, ss.39

IX. **Towards an Evidence-Based Decision Support Tool for Management of Musculoskeletal Conditions**
YET B., Marsh W., Morrissey D.
Special Topic Conference of the European-Fedeeration-for-Medical-Informatics (EFMI STC), Zagreb, Hırvatistan, 15 - 16 Ekim 2018, cilt.255, ss.175-179

X. **A Framework to Present Bayesian Networks to Domain Experts and Potential Users**
YET B.
Probability and Statistics in Forensic Science - Isaac Newton Institute for Mathematical Sciences, Cambridge, Kanada, 18 Temmuz - 21 Aralık 2016

XI. **Tek Değişkenli Meta analiz Sonuçları ve Çok Değişkenli Veriyi Birlikte Kullanarak Bayes Ağı Modelleri Öğrenme**
YET B., Perkins Z., Tai N., Marsh W.
36. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM-2016), İzmir, Türkiye, 13 - 15 Temmuz 2016, ss.56-57

XII. **NEDENSEL BAYES AĞLARı İLE CERRAHİ KARAR DESTEK**
YET B., Perkins Z., Tai N., Marsh W.
35. Yöneylem Araştırması ve Endüstri Mühendisliği Ulusal Kongresi (YAEM-2015), Ankara, Türkiye, 9 - 11 Eylül 2015

XIII. **Project Cost Benefit and Risk Analysis using Bayesian Networks**
YET B., Constantinou A., Fenton N., Neil M., Luedeling E., Shepherd K.
31st Conference on Uncertainty in Artificial Intelligence (UAI 2015) - Bayesian Applications Workshop, Amsterdam, Hollanda, 12 - 16 Temmuz 2015

XIV. **Explicit Evidence for Prognostic Bayesian Network Models**
YET B., Perkins Z., Tai N., Marsh W.
25th European Medical Informatics Conference (MIE), İstanbul, Türkiye, 31 Ağustos - 03 Eylül 2014, cilt.205, ss.53-57

XV. **Predicting Latent Variables with Knowledge and Data A Case Study in Trauma Care**
YET B., Marsh W., Perkins Z., Tai N., Fenton N.
29th Conference on Uncertainty in Artificial Intelligence (UAI 2013 - Bayesian Applications Workshop, BELLEVUE, WASHINGTON, Amerika Birleşik Devletleri, 15 Temmuz 2013, cilt.1024, ss.49

XVI. **Towards a Method for Building Causal Bayesian Networks for Prognostic Decision Support**
YET B., Perkins Z., Marsh W., Fenton N.
AIME'11 Workshop onProbabilistic Problem Solving in Biomedicine (ProBioMed-11), BLED, Slovenya, 02 Temmuz 2011, ss.107-120

Metrikler

Yayın: 69
Atıf (WoS): 651
Atıf (Scopus): 753
H-İndeks (WoS): 13
H-İndeks (Scopus): 14