

# Elif KARTAL (PhD)

## CV

### PERSONAL INFORMATION

Date of Birth : December 1, 1986  
Place of Birth : Sakarya, Turkey  
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### EDUCATIONAL BACKGROUND

**Doctorate:** Istanbul University, Informatics Department, 2011-2015.

- Thesis: [Machine learning techniques based on classification and a study on cardiac risk assessment](#)  
Supervisor: Prof. M. Erdal BALABAN (PhD)

**Graduate:** Istanbul University, Informatics Department, 2008-2011.

- Thesis: [Software project cost estimation with artificial neural networks](#)  
Supervisor: Assoc. Prof. Sevinç GÜLSEÇEN (PhD)

**Undergraduate:** Istanbul University, Faculty of Science, Mathematics Department, 2004-2008.

### ADMINISTRATIVE DUTIES

- Visiting Scholar, University of Miami, College of Arts and Sciences, Department of Computer Science, FL, USA, August 2019 -  
Supervisor: Assoc. Prof. Odelia Schwartz (PhD).
- Research Assistant, Istanbul University, Informatics Department, 2015 -
- Visiting Scholar, Ball State University, Miller College of Business, Information Systems and Operations Management, IN, USA, March 2013 - May 2013.  
Supervisor: Prof. Sushil K. Sharma (PhD).

### PAPERS PUBLISHED IN SCI, SCI-EXP JOURNALS

1. Kartal E., Balaban M.E., "[Machine learning techniques in cardiac risk assessment](#)", *Turkish Journal of Thoracic and Cardiovascular Surgery*, 26, 394-401, 2018.
2. Sutaş Bozkurt A.P., Gungor G., Ozen Z., Unlusoy E.O., Ugur O., Sayilgan C., et al., "[Older age is related with higher POCP in adult patient population in Turkey-preliminary report](#)", *Anesthesia and Analgesia*, 123, 367-367, 2016.

## PAPERS PUBLISHED IN NATIONAL & INTERNATIONAL REFEREED JOURNALS

1. Kartal, E., Biber, S. K., Biber, M., Özyaprak, M., Şimşek, İ., & Can, T. "[A Model Proposal to Determine Learning Styles of Students by Using Machine Learning Techniques and Kolb Learning Styles Inventory](#)". *Kastamonu Eğitim Dergisi*, 27(5), 1875-1892, 2019.
2. Demirkol, D., Kartal, E., Şeneler, Ç., & Gülseçen, S. "[Predicting Usability of a Student Information System by Using Machine Learning Techniques](#)". *Veri Bilimi*, 2(1), 10-18, 2019.
3. Selçuk, M., Bütün, M., Kartal, E., & Gülseçen, S. "[Bilişim Alanında Öğrenim Gören Lisansüstü Öğrencilerin Sanal Gerçeklik Algıları \(Virtual Reality Perceptions of Graduate Students in Information Technology Field\)](#)". *Düzce Üniversitesi Bilim ve Teknoloji Dergisi*, 7(1), 284-301, 2019.
4. Sutaş Bozkurt, A. P., Özen, Z., Kartal, E., Emre, İ. E., Selçukcan Erol, Ç., Koçoğlu, F. Ö., ... Bakan, N. "[Analysis of the incidence and predictive factors of chronic postoperative pain in adult population](#)". *The Journal of Tepecik Education and Research*, 28(2), 89-94, 2018.
5. Budak V.Ö., Kartal E., & Gülseçen S., "[A Case Study on Identifying Visitor Needs of a Website with In Site Search and Apriori Algorithm](#)", *Bilisim Teknolojileri Dergisi*, 11, 211-222, 2018.
6. Sutaş Bozkurt A.P., Özen Z., Kartal E., Emre I.E., Koçoğlu Bakioğlu F.Ö., Erol Ç., et al. "[Analysis of the incidence and predictive factors of chronic postoperative pain in adult population](#)", *İzmir Tepecik Eğitim ve Araştırma Hastanesi Dergisi*, 28, pp. 89-94, 2018.
7. Emre İ.E., Kartal E., & Gülseçen S., "[An examination on aspects of science and social sciences students about information technologies in education in İstanbul University](#)", *Hasan Ali Yücel Eğitim Fakültesi Dergisi*, 13, 1-15, 2016.
8. Alsadi M., Gülseçen S., & Kartal E., "[Top 10 Turkish universities twitter analysis user sentiment analysis and comparison with international ones](#)", *Yönetim Bilişim Sistemleri Dergisi*, 2, 129-139, 2016.
9. Koçoğlu Bakioğlu F.Ö., & Kartal E., Özen Z., Erol Ç., Gülseçen S., "[Aspects of students about information technology courses in social science](#)", *Procedia - Social and Behavioral Sciences*, 176, 148-154, 2015.
10. Sharma S.K., Gülseçen S., Özen Z., & Kartal E., "[Assessing e-learning readiness of instructors in Turkey](#)", *Istanbul Journal of Innovation in Education*, 1, 13-28, 2015.
11. Balaban M.E., & Kartal E., "[A roadmap to implement rapid transition as a proposal of e-learning model](#)", *International Journal of E-Adoption*, 6, 46-62, 2014.
12. Kartal Karataş E., Özen Z., Üstünkaya M.E., Zaim Gökbay İ., & Yarman B.S., "[Developing a decision support system to select content management system in organizations](#)", *Oneri Journal*, 10, 155-162, 2013.
13. Selçukcan Erol Ç., Kartal Karataş E., Özen Z., & Gülseçen S., "[Cloud computing and some scenarios for its application in universities](#)", *European Researcher*, 30, 1515-1526, 2012.
14. Gülseçen S., Kartal Karataş E., & Koçoğlu F.Ö., "[Can GeoGebra make easier the understanding of cartesian co-ordinates? a quantitative study in Turkey](#)", *International Journal on New Trends in Education and Their Implications (IJONTE)*, 3, 19-29, 2012.
15. Gülseçen S., Ayvaz Reis Z., Selçukcan Erol Ç., Kartal Karataş E., Gezer M., Şimşek İ., et al., "[Teaching computer programming online or face to face: a quantitative study](#)", *AWERProcedia Information Technology & Computer Science*, 1, 1093-1099, 2012.

## NATIONAL/INTERNATIONAL BOOKS/BOOK CHAPTERS

1. Balaban, M. E., & Kartal, E. (Eds.). (2019). [Veri Madenciliği ve Makine Öğrenmesi Temel Kavramlar, Algoritmalar, Uygulamalar \(Data Mining and Machine Learning Basic Concepts, Algorithms, Applications\)](#) (1st ed.). Çağlayan Kitabevi.
2. Kartal, E., & Balaban, M. E. (2019). Destek Vektör Makineleri: Teori ve R Dili ile Bir Uygulama (Support Vector Machines: Theory and An Application with R Language). In M. E. Balaban & E. Kartal (Eds.), [Veri Madenciliği ve Makine Öğrenmesi Temel Kavramlar, Algoritmalar, Uygulamalar \(Data Mining and Machine Learning Basic Concepts, Algorithms, Applications\)](#) (1st ed., pp. 207–241). Çağlayan Kitabevi.
3. Kartal, E., Özen, Z., Özyaprak, M., Şimşek, İ., Köse Biber, S., Biber, M., & Can, T. (2019). Dengesiz Veriden Öğrenme: Üstün Zekalı ve Yetenekli Öğrencilerin Sınıflandırılması (Learning from Unbalanced Data: Classification of Gifted and Talented Students). In M. E. Balaban & E. Kartal (Eds.), [Veri Madenciliği ve Makine Öğrenmesi Temel Kavramlar, Algoritmalar, Uygulamalar \(Data Mining and Machine Learning Basic Concepts, Algorithms, Applications\)](#) (1st ed., pp. 349–389). Çağlayan Kitabevi.
4. Balaban M.E., & Kartal E. (2018). "[Veri Madenciliği ve Makine Öğrenmesi Temel Algoritmaları ve R Dili ile Uygulamaları \(Data Mining and Machine Learning Basic Algorithms and Applications with R Programming Language\)](#)", (2nd ed.). Beyoğlu, İstanbul: Çağlayan Kitabevi.
5. Yılmaz, İ. G., Aygün, D., Kartal, E., & Özen, Z. (2018). "Otomotiv Sektöründe Twitter Veri Analizi: Pazarda Daha Önde Olabilmek İçin İpuçları". In S. Gülseçen, Ç. Selçukcan Erol, Z. Ayvaz Reis, & M. Gezer (Eds.), In: [Yönetim Bilişim Sistemlerinde Gündem](#) (1st ed., pp. 49-61). İstanbul: Çağlayan Kitabevi.
6. Ülker, D., Barış, M., Özen, Z., & Kartal, E. (2018). "CRM Yazılımı Seçiminde Kullanılmak Üzere Web Tabanlı Bir Karar Destek Sisteminin Geliştirilmesi". In S. Gülseçen, Ç. Selçukcan Erol, Z. Ayvaz Reis, & M. Gezer (Eds.), [Yönetim Bilişim Sistemlerinde Gündem](#) (1. ed., pp. 177-187). İstanbul: Çağlayan Kitabevi.
7. Özen Z., Kartal E., & Emre İ.E. (2018) "[Analysis of a Learning Management System by Using Google Analytics: A Case Study From Turkey](#)", In A. Borchers (Ed.), Technology Management in Organizational and Societal Contexts (pp. 198–220).
8. Özen Z., Kartal E., & Emre İ.E. (2017). "[Eğitimde Büyük Veri \(Big Data in Education\)](#)". In H. F. Odabaşı, B. Akkoyunlu, & A. İşman (Eds.), Eğitim Teknolojileri Okumaları 2017 (1st ed., pp. 183–204).
9. Kartal E., & Özen Z. (2017). "[Dengesiz Veri Setlerinde Sınıflandırma \(Classification in Imbalanced Datasets\)](#)". In O. Torkul, S. Gülseçen, Y. Uyaroğlu, G. Çağıl, & M. K. Uçar (Eds.), Mühendislikte Yapay Zeka ve Uygulamaları (1st ed., pp. 109–131). Sakarya: Sakarya Üniversitesi Kütüphanesi Yayınevi.
10. Özen Z., Kartal E., & Gülseçen S. (2017). "[Yapay Zekâ ve Yapay Sinir Ağları \(Artificial Intelligence and Artificial Neural Networks\)](#)". In T. R. Çölkesen & O. Aliefendioğlu (Eds.), Bilgisayar Bilimine Giriş (1. ed, pp. 523–558). İstanbul: Papatya Bilim Kitabevi.
11. Gülseçen S., Erol Ç., Kartal E., Özen Z., & Emre İ.E., Eds. (2016). "The 6th International Conference on Innovations in Learning for the Future 2016: Next Generation Book of Abstracts", İstanbul: İstanbul Üniversitesi Yayınları.
12. Balaban M.E., & Kartal E., Eds. (2016). "[R ile Veri Madenciliği Uygulamaları \(Data Mining Applications with R\)](#)", İstanbul: Çağlayan Kitabevi.
13. Kartal E., Özen Z., & Gülseçen S. (2016). "[An Artificial Neural Network Approach to Predict Software Project Effort: One-Class vs. Binary Classification](#)". In V. Tecim, Ç. Tarhan, & C. Aydın (Eds.), Smart Technology & Smart Management (pp. 206–216). İzmir: Dokuz Eylül Üniversitesi Uzaktan Eğitim Merkezi.
14. Kartal E. (2016). "[Shiny ile R Uygulaması Geliştirme ve Kalp Riskini Değerlendirmeye İlişkin Web Destekli Bir Örnek Çalışma \(Development of R Application with Shiny and A Web-based Case Study on Evaluating Heart Risk\)](#)". In M. E. Balaban & E. Kartal (Eds.), R ile Veri Madenciliği Uygulamaları (1st ed., pp. 257–295). İstanbul: Çağlayan Kitabevi.

15. Balaban M.E., & Kartal E. (2016). "[Veri Madenciliği Süreci ve Futbol Maç Sonuçlarının Öngörülmesine İlişkin Bir Uygulama \(Data Mining Process and An Application to Predict Football Match Results\)](#)". In M. E. Balaban & E. Kartal (Eds.), R ile Veri Madenciliği Uygulamaları (1st ed., pp. 257–295). İstanbul: Çağlayan Kitabevi.
16. Karataş T., & Kartal E. (2012). "[A Study on The Role of Open Education Faculty, the leader of Distance Learning in Turkey, in Higher Education and Its Educational - Social Dynamics](#)", In S. K. Sharma (Ed.), Adoption of Virtual Technologies for Business, Educational, and Governmental Advancements (pp. 209–217).
17. Gülseçen S., & Kartal Karataş E. (2012). "C ile Programlamaya Giriş", İstanbul University Publications, İstanbul.

## PAPERS PRESENTED AT NATIONAL/INTERNATIONAL CONFERENCES AND PUBLISHED IN THE PROCEEDINGS

1. Çınar, A., Kartal, E., Sarul, L. S. ve Balaban, M. E. (2019). [Deprem Öngörüsünde Makine Öğrenmesi Algoritmalarının Kullanımına İlişkin Bir Çalışma \(A Study on The Use of Machine Learning Algorithms for Earthquake Prediction\)](#). Akademik Bildiri Özetleri içinde (ss. 41-42). 13. İstanbul Bilişim Kongresi, Bahçeşehir University, İstanbul, Türkiye: Türkiye Bilişim Derneği İstanbul Şubesi.
2. Balaban, M. E., & Kartal, E. "[Veri Madenciliği ile Futbolda Başarıya Giden Yol Haritası \(The Roadmap For Success in Football with Data Mining\)](#)", 12. İstanbul Bilişim Kongresi, İstanbul: Türkiye Bilişim Derneği İstanbul Şubesi, 2018, 50-51.
3. Kartal E., Emre İ.E., & Özen Z. "[Metin Madenciliği ile Türkçe Bir Dergi Öneri Sisteminin Geliştirilmesi \(Development of a Turkish Journal Suggestion System with Metin Madenciliği\)](#)", XX. Akademik Bilişim Konferansı, KARABÜK, TURKEY, January 31 – February 2, 11, 2018, 27-31.
4. Özen Z., Kartal E., Emre İ.E., Gülseçen S., & Sharma S.K. "[Predicting E-Learning Readiness of Learners with Data Mining Techniques](#)", The International Educational Technology Conference (IETC) 2017, Cambridge, ABD, August 16-18, 2017, 2, 120-120.
5. Kartal E., Özyaprak M., Özen Z., Şimşek İ., Köse Biber S., Biber M., et al. "[Asking Right Questions for Identification of Gifted and Talented Student Candidates: A Machine Learning Approach](#)", The International Educational Technology Conference (IETC) 2017, Cambridge, ABD, August 16-18, 2017, 2, 272-272.
6. Ülker D., Barış M., Özen Z., & Kartal E. "Developing Web Based Decision Support System for Customer Relationship Management (CRM) Software Selection", 4th International Management Information Systems Conference, İstanbul, Turkey, October 17-20, 2017, 183-183.
7. Yılmaz İ.G., Aygün D., Kartal E., & Özen Z. "Twitter Data Analysis in Automotive Sector: Tips for Driving Faster in Market", 4th International Management Information Systems Conference, İstanbul, Turkey, October 17-20, 2017, 57-57.
8. Özen Z., Koçoğlu Bakioğlu F.Ö., Kartal E., Erol Ç., & Gülseçen S. "Awareness of Electronic Waste (E-Waste) in Turkey", 6th International Symposium on Energy from Biomass and Waste, Venice, Italy, November 14-17, 2016, 1-13.
9. Özen Z., Kartal E., & Emre İ.E. "A Case Study on Improving E-Learning Services Using Google Analytics in Turkey", 6th International Conference on "Innovations in Learning for the Future" 2016: Next Generation, İSTANBUL, TURKEY, October 24-26, 2016, 73-73.
10. Balaban M.E., & Kartal E. "[Demokrasinin Gelişiminde Bilişimin Önemi ve Ülkelerin Karşılaştırmalı Analizi \(The Importance of Informatics in the Development of Democracy and Comparative Analysis of the Countries\)](#)", 33. Ulusal Bilişim Kurultayı, Ankara, Turkey, December 8-9, 2016, 55-60.
11. Balaban M.E., & Kartal E. "[k-Ortalamalar Algoritmasıyla Ülkelerin Bilişim Alanında Kümelenmesi \(Clustering of Countries in Informatics Field with k-Means Algorithm\)](#)", TBD 32. Ulusal Bilişim Kurultayı, Ankara, Turkey, December 3-5, 2015, 112-117.
12. Erol Ç., Koçoğlu Bakioğlu F.Ö., Özen Z., Kartal E., & Gülseçen S. "Interpet: Evcil Hayvan Sağlığı Hakkında Bilgiye Erişim Kaynağı Olarak İnternet", XVII. Akademik Bilişim Konferansı, Eskişehir, Turkey, February 4-6, 2015, 1, 434-441.

13. Koçođlu Bakiöđlu F.Ö., Kartal E., Özen Z., Erol Ç., & Gülseçen S. "[Aspects of Students About Information Technology Courses in Social Science](#)", International Educational Technology Conference, Chicago, ABD, September 3-5, 2014, 119-127.
14. Sharma S.K., Gülseçen S., Özen Z., & Kartal Karataş E. "Assessing E-learning Readiness of Instructors in Turkey", 5th International Future-Learning Conference on Innovations in Learning for the Future 2014: e-Learning, İSTANBUL, TURKEY, May 5-7, 2014, 9-9.
15. Özen Z., Kartal Karataş E., Selçukcan Erol Ç., & Koçođlu F.Ö. "Bilgi Ekonomisi Üzerine Bir Çalıřma", XVI. Akademik Biliřim Konferansı, İçel, Turkey, February 5-7, 2014, 239-245.
16. Sharma S.K., Gülseçen S., Özen Z., & Kartal E. "Assessing E-Learning Readiness of Learners in Turkey", 5th International Future-Learning Conference on Innovations in Learning for the Future 2014: e-Learning, Istanbul, Turkey, May 5-7, 2014, 7-7.
17. Kartal E., & Balaban M.E. "Distance Learning in Turkey and a Proposal of Organizational Model for Distance Learning", 5th International Future-Learning Conference on Innovations in Learning for the Future 2014: e-Learning, Istanbul, Turkey, 5-7 May 2014, 17-17.
18. Selçukcan Erol Ç., Koçođlu F.Ö., Özen Z., & Kartal Karataş E. "[Kamu Kurumlarında Elektronik İmza Hakkında Karşılařtırılmalı Bir Çalıřma](#)", 6th International Conference on Information Security and Cryptology, Ankara, Turkey, September 20-21, 2013, 111-115.
19. Ecevit Sati Z., Kartal Karataş E., Özen Z., Koçođlu F.Ö., & Selçukcan Erol Ç. "[E-Üniversite'ye Yolculuk \(A journey to E-University\)](#)", Akademik Biliřim'13 - XV. Akademik Biliřim Konferansı, Antalya, Turkey, January 23-25, 2013, 355-360.
20. Kartal E., Özen Z., & Koçođlu Bakiöđlu F.Ö. "Introduction to Infonomics", International Congress on Studies "in Frame of Informatics": Infonomics, Istanbul, Turkey, November 14, 2013, 21-21.
21. Özen Z., Kartal E., Erol Ç., & Selçukcan Büyükkutlu F. "Kalp Hastalarının Sađlık Bilgisine Eriřmede İnternet Kullanımı (Use of the Internet to Access Health Information of Heart Patients)", XVIII. Türkiye'de İnternet Konferansı, Istanbul, Turkey, December 9-11, 2013, 165-169.
22. Balaban M.E., & Kartal E. "Roadmap to Implement Rapid Transition as a Proposal of e-Learning Model", 4th International Conference on Innovations in Learning for the Future 2012: e-Learning, Istanbul, Turkey, November 14-16, 2012, 464-483.
23. Kartal Karataş E., Selçukcan Erol Ç., & Gülseçen S. "[Türkçeleřtirebiliřim](#)", Akademik Biliřim 2012, Uřak, Turkey, February 1-3, 2012, 489-497.
24. Ecevit Sati Z., & Kartal Karataş E. "The Evaluating of Innovation Studies (Efforts) at Higher Education System in Turkey and Developing an Innovation Guideline for Universities", International Conference on IT Applications and Management 2012, Istanbul, Turkey, June 28-19, 2012, 52-61.
25. Gülseçen S., Kartal E., & Koçođlu Bakiöđlu F.Ö. "Can Geogebra Make Easier the Understanding of Cartesian Co-Ordinates? A Quantitative Study in Turkey", International Conference on New Trends in Education and Their Implications - ICONTE, Antalya, Turkey, April 26-28, 2012, 160-160.
26. Ecevit Sati Z., Özen Z., Koçođlu F.Ö., & Kartal Karataş E. "Yerel Yönetimlerde E-Devlet Uygulamaları: İstanbul İli ve Belediye Yönetimlerinde Kullanılan E-Devlet Hizmetlerinin Deđerlendirilmesi", VI. İstanbul Biliřim Kongresi, Istanbul, Turkey, November 7-8, 2012, 61-75.
27. Satman G., Ayvaz Reis Z., & Kartal Karataş E. "[Online Ödev Teslim Süreci Uygulaması](#)", Akademik Biliřim 2011, Malatya, Turkey, February 2-4, 2011, 791-795.
28. Gülseçen S., Ayvaz Reis Z., Erol Ç., Kartal E., Gezer M., řimşek İ., et al. "Teaching Computer Programming Online or Face to Face: A Quantitative Study", 2nd World Conference on Information Technology - WCIT, Antalya, Turkey, November 22-27, 2011, 136-136.
29. Uđrař T., Ayvaz Reis Z., & Kartal Karataş E. "[Bir Online Anket Sistemi İçin Yol Haritası](#)", Akademik Biliřim 2011, Malatya, Turkey, February 2-4, 2011, 395-403.



30. Gülseçen S., Kabaca, T., Ayvaz Reis Z., Kartal Karataş E., & Gürbüz T. "[Reflections on the First Eurasia Meeting of GeoGebra: Experiences Met on Where Continents Meet](#)", First North American GeoGebra Conference, New York, USA, July 27-28, 2010, 172-179.
31. Ayvaz Reis Z., Kartal Karataş E., Çelik S., & Özcan P. "[Bir Harmanlanmış Öğrenme Yöntemi Eğitim Aracı: Podcast](#)", III. İstanbul Bilişim Kongresi, İstanbul, Turkey, May 29-31, 2009, 25-33.
32. Kartal Karataş E., Yazıcı S., Ayvaz Reis Z., & Selçukcan Erol, Ç. "[Etkin Müşteri Hizmetleri İçin Müşteri Bilgilendirme E-Öğrenme Portalı Önerisi](#)", Akademik Bilişim 2009, Şanlıurfa, Turkey, February 11-13, 2009, 497-501.
33. Çankırı S., Kartal Karataş E., Yıldırım K., & Gülseçen S. "[Organizasyonlarda Bilgi Yönetimi Sürecinde Veri Madenciliği Yaklaşımı \(Data Mining Approach in Information Management Process in Organizations\)](#)", UNAK 2009 Bilgi Çağında Varoluş: "Fırsatlar ve Tehditler" Sempozyumu, İstanbul, Turkey, October 1-2, 2009, 148-168.

## PROJECTS

1. "Metin Madenciliği ile Türkçe Bir Dergi Öneri Sisteminin Geliştirilmesi (Development of a Turkish Journal Suggestion System with Text Mining)", İstanbul University Scientific Research Project Coordination Unit, SAB-2018-27686, Researcher, 2018.
2. "Farklı profildeki üstün zekalı öğrencilerin tanılanma oranının artırılması için eğitim materyalleri geliştirme ve etkililiğini sınaama (Developing training materials and testing their effectiveness to increase the rate of identification of gifted students in different profiles)", İstanbul University Scientific Research Project Coordination Unit, Research Project, SBA-2017-24333, Researcher, 2017.
3. "Predicting E-Learning Readiness of Learners with Data Mining Techniques", İstanbul University Scientific Research Project Coordination Unit, BEK-2017-26089, Researcher, 2017.
4. "Ameliyat Sonrası Kronik Ağrının Öngörülmesi İçin Karar Destek Sistemi Geliştirilmesi ASK (Development of Decision Support System for Prediction of Post-Operative Chronic Pain)", İstanbul University Scientific Research Project Coordination Unit, FBA-2017-23467, Researcher, 2017.
5. "Üstün Zekalı Öğrencilerin Tanılamaya Yönlendirilmesine Yönelik Bir Yetenek Sihirbazının Geliştirilmesi (Development of a Talent Wizard for Nominating of Gifted Students)", İstanbul University Scientific Research Project Coordination Unit, FAB-2016-23538, Project Executive, 2017.
6. "Asking Right Questions for Identification of Gifted and Talented Student Candidates a Machine Learning Approach", İstanbul University Scientific Research Project Coordination Unit, BEK-2017-26087, Project Executive, 2017.
7. "R ile Veri Madenciliği Ulusal Networking Geliştirme, İşbirliği ve Araştırma Projesi: Hastalık Tanısı Üzerine Bir Vak'a Analizi (Data Mining National Networking Development, Collaboration and Research Project with R: A Case Analysis on the Diagnosis of Disease)", İstanbul University Scientific Research Project Coordination Unit, 54053, Researcher, 2016.
8. "Sosyal Bilimlerde Dijital Okur-Yazar Sayısının Artırılabilmesi için ABD ile İşbirliği (Cooperation with the United States to Increase the Number of Digital Literacy in Social Sciences)", İstanbul University Scientific Research Project Coordination Unit, 46148, Researcher, 2016.
9. "Sınıflandırmaya Dayalı Makine Öğrenmesi Teknikleri ve Bir Uygulama (Machine learning techniques based on classification and a study on cardiac risk assessment)", İstanbul University Scientific Research Project Coordination Unit, PhD Thesis Project, 49091, Project Executive, 2015.
10. "Yapay Sinir Ağları ile Yazılım Projesi Maliyet Tahmini (Software project cost estimation with artificial neural networks)", İstanbul University Scientific Research Project Coordination Unit, Master Thesis Project, Project Executive, 2011.
11. "Doktora ve Yüksek Lisans Öğrencilerinin Akademik Deneyimlerinin Artırılması (Enhancing Academic Experience of Ph.D. and Master Students)", İstanbul University Scientific Research Project Coordination Unit, Research Project, 4238, Researcher, 2009.
12. "İstanbul Kültürle-Öğrenme", Researcher, 2011.

13. "Web Tabanlı Eğitim (e-Öğrenme) Sisteminin Geliştirilmesi ve Uygulanması (Development and Implementation of Web Based Training (e-Learning) System)", İstanbul University Scientific Research Project Coordination Unit, Research Project, 2962, Researcher, 2011.

## THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY (TUBITAK) SCHOLARSHIPS and FUNDINGS

- **Project Info:** Ameliyat Sonrası Hastanın Yoğun Bakım Gereksiniminin Belirlenmesinde Karar Destek Sistemi Geliştirilmesi (Developing a Decision Support System in Determining the Intensive Care Needs of the Patient After the Operation), 1002 - Hızlı Destek, Araştırmacı/Uzman, Yürürlükte, ARDEB, SBAG - Sağlık Bilimleri Araştırma Destek Grubu, Project Participation/Leave Dates: 11/1/19 - 11/1/20, Project Start/End Dates: 11/1/19 - 11/1/20
- **BIDEB Supports:** (Postdoc Research) Araştırma Burs ve Destekleri Müdürlüğü, 2219-Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Destekleniyor, 2018 - 2, 8/1/19 - 8/1/20

## TRAININGS, WORKSHOPS, SEMINARS

- "Introduction to Machine Learning with R", Artificial Intelligence Summer School, Sakarya University, Sakarya (Instructor), 2018.
- "Introduction to R Programming Language", 3rd Interdisciplinary Applied Data Mining Workshop, TOVAK International Marmaris Academy, Muğla (Instructor), 2018.
- "Support Vector Machines", 3rd Interdisciplinary Applied Data Mining Workshop, TOVAK International Marmaris Academy, Muğla (Instructor), 2018.
- "Introduction to Machine Learning with R", Kocaeli University, Faculty of Technology, Information Systems Engineering, Software Laboratory (Instructor), 2018.
- "Data Mining Seminars with R: Artificial Neural Networks", Turkish Informatics Association İstanbul Branch (Participant), 2018.
- "Artificial Neural Networks", Logic Summer School 2018, Boğaziçi University Feza Gürsey Physics and Mathematics Application and Research Center (Participant), 2018.
- "Data Mining Seminars with R: Support Vector Machines" (Instructor), Turkish Informatics Association İstanbul Branch (Instructor), 2018.
- "Artificial Intelligence", Logic Summer School 2018, Boğaziçi University Feza Gürsey Physics and Mathematics Application and Research Center (Instructor), 2018.
- "Artificial Neural Networks", Logic Summer School 2017, Boğaziçi University Feza Gürsey Physics and Mathematics Application and Research Center (Participant), 2017.
- "Artificial Intelligence", Logic Summer School 2017, Boğaziçi University Feza Gürsey Physics and Mathematics Application and Research Center (Instructor), 2017.
- "Classification in Imbalanced Datasets with Artificial Neural Networks", Artificial Intelligence Summer School, Sakarya University, Sakarya (Instructor), 2017.
- "Data Mining Seminars with R: Naive Bayes Algorithm", Titanic City Taksim, İstanbul (Instructor), 2016
- "A Web-based Case Study on Evaluating Heart Risk", 2nd Interdisciplinary Applied Data Mining Workshop, TOVAK International Marmaris Academy, Muğla (Instructor), 2016.
- "Prediction of Football Match Results with Machine Learning", 2nd Interdisciplinary Applied Data Mining Workshop, TOVAK International Marmaris Academy, Muğla (Instructor), 2016.
- "Data Mining Seminars with R: k-Nearest Neighbor Algorithm", Titanic City Taksim, İstanbul (Instructor), 2016
- "Computer Programming", İstanbul University, Children University Winter School, İstanbul University (Instructor), 2015.
- "Web Programming", İstanbul University, Children University Winter School, İstanbul University (Instructor), 2015.

- “Data Mining Algorithms and Its Applications with R”, 1st Interdisciplinary Applied Data Mining Workshop, TOVAK International Marmaris Academy, Muğla (Instructor), 2015.
- “Computer Programming”, İstanbul University, Children University Summer School, İstanbul University (Instructor), 2015.
- “Computer Programming”, İstanbul University, Children University Winter School, İstanbul University (Instructor), 2014 Oracle Academy Programming with PL/SQL, Oracle Academy (Participant), 2013.
- Information Technologies Training Program, İstanbul University BUYAMER (Instructor), 2013.
- Oracle Academy Programming with PL/SQL, Oracle Academy (Participant), 2012.
- MATLAB, Akiza Academy (Participant), 2012.
- Software and Database Expertise, BilgeAdam Information Technologies Academy (Participant), 2008.

### **TEACHING EXPERIENCE (as Assistant of the course)**

- Machine Learning Algorithms and Applications, İstanbul University Informatics Department, Doctorate, Spring, 2016 -
- Scientific Research Techniques and Publication Ethics, İstanbul University Informatics Department, Graduate/Doctorate, Autumn/Spring, 2016 -

### **MEMBERSHIPS**

- Turkish Informatics Association, Member, 01.01.2009 -
- Data Mining Research Group, Member, Turkish Informatics Association, Turkey, <http://www.tbd.org.tr/veri-madenciligi-calisma-grubu/>, January 2018 -
- Artificial Intelligence and Data Science Research Group, Member, İstanbul University, Turkey, <http://informatics.istanbul.edu.tr/tr/content/yapay-zeka-ve-veri-bilimi-calisma-grubu/hakkimizda> , February 2018 -
- HAYEF Learning Center Research and Development Team, Member, İstanbul University, Turkey, <http://www.hayefogrenmemerkezi.org>, April 2016 -

### **AWARDS**

- Kartal E, "Science Award, Sakarya University, İstanbul University, Kocaeli University, September 2017.
- Kartal E, Özen, Z., & Gülseçen, S., "Best Paper Award, 3rd International Management Information Systems Conference, Congress Scientific Committee, October 2016.