

## **Prof. MERAL ÇETİN**

### **Personal Information**

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### **Education Information**

Doctorate, Hacettepe University, Fen Fakültesi, Turkey 1996 - 2000

### **Dissertations**

Doctorate, Dogusal Regresyonda Sağlam Değişken Seçim Yönteleri, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, İstatistik (Dr), 2000

### **Research Areas**

Statistics, Statistical Analysis and Applications, Natural Sciences

### **Academic Titles / Tasks**

Associate Professor, Western Illinois University, 2012 - 2012

### **Advising Theses**

ÇETİN M., Gudermannian kayıp fonksiyonu ve GudermannianBoost ikili sınıflandırma yöntemi, Doctorate, O.TOKA(Student), 2016

ÇETİN M., Kayıp veri durumunda sağlam kestirim, Postgraduate, O.TOKA(Student), 2012

ÇETİN M., Çok değişkenli uyarlamalı regresyon uzanımları, Postgraduate, B.ÜNAL(Student), 2009

ÇETİN M., Doğrusal regresyonda sağlam güven aralıkları, Postgraduate, N.TUBA(Student), 2005

### **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **Robust regression estimation and variable selection when cellwise and casewise outliers are present**  
TOKA O., ÇETİN M., ARSLAN O.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.50, no.1, pp.289-303, 2021 (SCI-Expanded)
- II. **Robust estimation in restricted linear regression**  
TOKA O., ÇETİN M., ARSLAN O.  
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 2019 (SCI-Expanded)
- III. **A binary boosting method in the presence of outliers in training data**

- TOKA O., ÇETİN M.  
SOFT COMPUTING, vol.23, no.16, pp.7081-7090, 2019 (SCI-Expanded)
- IV. **Tyrosine Kinase Inhibitor Responses in Pediatric CML Patients: Hacettepe Experience**  
Bajin I. Y., AYTAÇ S. A., KUŞKONMAZ B. B., ÜNAL S., Okur V., Cetinkaya D., ÇETİN M., GÜMRÜK F.  
PEDIATRIC BLOOD & CANCER, vol.64, 2017 (SCI-Expanded)
- V. **Effectiveness of Radioisotope Synovectomy in Haemophilia Patients With High Titer Inhibitors**  
AYTAÇ S. A., Bajin I. Y., Altan I., TUNCEL M., ÇAĞLAR Ö., ÇETİN M., ATILLA B.  
HAEMOPHILIA, vol.23, pp.129-130, 2017 (SCI-Expanded)
- VI. **Thrombosis Associated with Childhood Solid Tumors: A Single Center Experience**  
Bajin I. Y., AYTAÇ S. A., AYDIN G. B., KUŞKONMAZ B. B., ÜNAL S., ÇETİN M., TUNCER M., Gurnruk F., Akyuz C.  
PEDIATRIC BLOOD & CANCER, vol.63, 2016 (SCI-Expanded)
- VII. **Multiple Bone Cysts in Patient with Congenital Afibrinogenaemia**  
AYTAÇ S. A., KUŞKONMAZ B. B., ÇAĞLAR Ö., GÜMRÜK F., ÇETİN M.  
HAEMOPHILIA, vol.22, pp.87-88, 2016 (SCI-Expanded)
- VIII. **Robust model selection criteria for robust S and LTS estimators**  
ÇETİN M.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.45, no.1, pp.153-164, 2016 (SCI-Expanded)
- IX. **OSTEOPOROSIS IN PATIENTS WITH ACUTE LYMPHOBLASTIC LEUKEMIA TREATED ON MODIFIED ST JUDE TOTAL XV THERAPY**  
AYTAÇ S. A., ÇETİN M., KUŞKONMAZ B. B., ÜNAL S., Tavil B., GÜMRÜK F.  
PEDIATRIC BLOOD & CANCER, vol.62, 2015 (SCI-Expanded)
- X. **Risk of thrombosis in a cohort of pediatric acute lymphoblastic leukemia patients**  
ÜNAL S., GÜMRÜK F., Bayhan T., AYTAÇ S. A., Tavil B., KUŞKONMAZ B. B., ÇETİN M.  
JOURNAL OF THROMBOSIS AND HAEMOSTASIS, vol.13, pp.934, 2015 (SCI-Expanded)
- XI. **THE OUTCOME OF PEDIATRIC ACUTE LYMPHOBLASTIC LEUKEMIA IN PATIENTS WHO PRESENTED WITH HYPERLEUKOCYTOSIS**  
ÜNAL S., ÖZSÜREKCİ Y., AYTAÇ S. A., KUŞKONMAZ B. B., Tavil B., TUNCER M., Yetgin S., Gurgey A., GÜMRÜK F., ÇETİN M.  
PEDIATRIC BLOOD & CANCER, vol.61, 2014 (SCI-Expanded)
- XII. **PEDIATRIC MYELODYSPLASTIC SYNDROME: EXPERIENCE FROM A SINGLE CENTER**  
ÇETİN M., ÜNAL S., Bayhan T., AYTAÇ S. A., KUŞKONMAZ B. B., Tavil B., Uckan-Cetinkaya D., TUNCER M., GÜMRÜK F.  
PEDIATRIC BLOOD & CANCER, vol.61, 2014 (SCI-Expanded)
- XIII. **A simulation study on the influence of ties on uniform scores test for circular data**  
Tasdan F., ÇETİN M.  
JOURNAL OF APPLIED STATISTICS, vol.41, no.5, pp.1137-1146, 2014 (SCI-Expanded)
- XIV. **IMPROVED OUTCOME IN HIGH RISK GROUP PATIENTS WITH HIGH DOSE METHYLREDNISOLONE DURING INDUCTION OF MODIFIED ST JUDE TOTAL XIII**  
ÜNAL S., Gurgey A., Yetgin S., GÜMRÜK F., TUNCER M., AYTAÇ S. A., KUŞKONMAZ B. B., ÇETİN M.  
PEDIATRIC BLOOD & CANCER, vol.60, pp.70, 2013 (SCI-Expanded)
- XV. **RECURRENT PEDIATRIC THROMBOSIS: INFLUENCE AND UNDERLYING OR COEXISTING FACTORS**  
Gokce M., Altan I., ÜNAL S., KUŞKONMAZ B. B., AYTAÇ S. A., ÇETİN M., TUNCER M., GÜMRÜK F., Gurgey A.  
HAEMATOLOGICA, vol.97, pp.192, 2012 (SCI-Expanded)
- XVI. **Dynamics in children and adolescents who experience varicella zoster virus infections after haematopoietic stem cell transplantation: A case-control study**  
AYTAÇ S. A., YALÇIN S. S., Kucukbayrak O., ÇETİN M., Uckan D.  
Epidemiology and Infection, vol.139, no.11, pp.1701-1709, 2011 (SCI-Expanded)
- XVII. **Naturally acquired hepatitis A antibodies after haematopoietic stem cell transplantation**  
YALÇIN S. S., Kondolot M., GÖKER H., KUŞKONMAZ B. B., Karacan Y., ÇETİN M., AKSU S., Tezcan I., Uckan D.  
EPIDEMIOLOGY AND INFECTION, vol.139, no.5, pp.683-687, 2011 (SCI-Expanded)
- XVIII. **Additional effect of pulsed electromagnetic field therapy on knee osteoarthritis treatment: a randomized, placebo-controlled study**

- Ozguclu E., ÇETİN A., ÇETİN M., Calp E.  
 CLINICAL RHEUMATOLOGY, vol.29, no.8, pp.927-931, 2010 (SCI-Expanded)
- XIX. Robust model selection criteria for robust Liu estimator  
 ÇETİN M.  
 EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.199, no.1, pp.21-24, 2009 (SCI-Expanded)
- XX. Congenital coagulation factor deficiencies: Hacettepe experience  
 AYTAÇ S. A., KUŞKONMAZ B. B., ÜNAL S., Hicsonmez G., ÇETİN M., GÜMRÜK F., TUNCER M., Yetgin S., Ozsoylu S., Altay C., et al.  
 HAEMOPHILIA, vol.14, pp.12-13, 2008 (SCI-Expanded)
- XXI. Successful bone marrow transplantation in a case of Griscelli disease which presented in accelerated phase with neurological involvement  
 Tezcan I., Sanal Ö., Ersoy F., Uckan D., Kılıç Ş., Metin A., ÇETİN M., Akin R., Öner C., TUNCER A.  
 Bone Marrow Transplantation, vol.24, no.8, pp.931-933, 1999 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. A CORRECTION ON TANGENTBOOST ALGORITHM  
 TOKA O., ÇETİN M.  
 COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.67, no.2, pp.1-10, 2018 (ESCI)
- II. Outlier detection in a preliminary test estimator of the mean  
 YÜKSEL G., ÇETİN M.  
 JOURNAL OF STATISTICS & MANAGEMENT SYSTEMS, vol.19, no.4, pp.605-615, 2016 (ESCI)
- III. Imputation and Deletion Methods Under The Presence of Missing Values and Outliers: A Comparative Study  
 TOKA O., ÇETİN M.  
 GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.4, pp.799-809, 2016 (ESCI)
- IV. Investigation of the Change Point in Mean of Normal Sequence Having an Outlier  
 YİĞİTER A., ÇETİN M.  
 GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.26, no.4, pp.543-555, 2013 (ESCI)
- V. Basit Doğrusal Regresyonda Sağlam ve Theil Kestiricilerinin Karşılaştırılması  
 TOKA O., ÇETİN M., AKTAŞ ALTUNAY S.  
 İstatistik Araştırma Dergisi, vol.8, no.3, pp.45-53, 2011 (Peer-Reviewed Journal)
- VI. The comparing of S-estimator and M-estimators in linear regression  
 ÇETİN M., TOKA O.  
 Gazi University Journal of Science, vol.24, no.4, pp.747-752, 2011 (Scopus)
- VII. Confidence Intervals Based on Robust Estimators  
 ÇETİN M., Aktas S.  
 JOURNAL OF MODERN APPLIED STATISTICAL METHODS, vol.7, no.1, pp.253-258, 2008 (ESCI)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. THROMBOSIS DURING INFANCY AND NEWBORN PERIOD: AN UNRESOLVED ISSUE  
 GÜMRÜK F., AYTAÇ S. A., Bajin I. Y., KUŞKONMAZ B. B., ÜNAL S., YİĞİT Ş., Yurakok M., ÇETİN M.  
 22nd Congress of the European-Hematology-Association, Madrid, Spain, 22 - 25 June 2017, vol.102, pp.648
- II. BONE MARROW MRD EVALUATION ON DAY 7 OF STEROID TREATMENT OF MODIFIED ST JUDE TOTAL XV THERAPY IN STANDART/LOW RISK PATIENTS WITH ACUTE LYMPHOBLASTIC LEUKEMIA  
 AYTAÇ S. A., ÇETİN M., Bajin I. Y., Altan I., ÜNAL S., KUŞKONMAZ B. B., Uckan D., GÜMRÜK F.  
 22nd Congress of the European-Hematology-Association, Madrid, Spain, 22 - 25 June 2017, vol.102, pp.352

- III. Determination of properties of bone marrow and tissue-derived mesenchymal stromal/stem cell population in neurofibromatosis type 1 patients**  
Soycan I. A., KARAOSMANOĞLU B., Cetinkaya D. U., Ayter S., Taskiran E., ÇETİN M., VARGEL İ., KUŞKONMAZ B. B., Evans S., VARAN A., et al.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.271-272
- IV. PROGNOSIS OF CHILDREN WITH ACUTE HYPERLEUKOCYTIC LYMPHOBLASTIC LEUKEMIA TREATED WITH MODIFIED ST JUDE TOTAL XV PROTOCOL**  
ÇETİN M., AYTAÇ S. A., Karahan C. D., KUŞKONMAZ B. B., ÜNAL S., GÜMRÜK F., TUNCER M.  
21st Congress of the European-Hematology-Association, Copenhagen, Denmark, 9 - 12 June 2016, vol.101, pp.662
- V. TREATMENT AND OUTCOME OF PEDIATRIC CEREBRAL SINOVENOUS THROMBOSIS: A SINGLE CENTER EXPERIENCE**  
AYTAÇ S. A., Altan I., KUŞKONMAZ B. B., Bajin I. Y., ÜNAL S., Tavil B., ÇETİN M., TUNCER M., GÜMRÜK F.  
21st Congress of the European-Hematology-Association, Copenhagen, Denmark, 9 - 12 June 2016, vol.101, pp.872
- VI. Successfull treatment of a child with natural killer (NK) cell lymphoma/leukemia with allogeneic hematopoeitic stem cell transplantation**  
AYTAÇ S. A., KUŞKONMAZ B. B., AYDIN B., ÇETİN M., AKYÜZ C., UCKAN-CETINKAYA D.  
42nd Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, Valencia, Spain, 3 - 06 April 2016, vol.51
- VII. UPPER AND LOWER EXTREMITY DEEP VEIN THROMBOSIS IN CHILDREN: A SINGLE CENTER EXPERIENCE**  
ÇETİN M., AYTAÇ S. A., Bayhan T., ÜNAL S., Tavil B., KUŞKONMAZ B. B., GÜMRÜK F.  
20th Congress of European-Hematology-Association, Vienna, Austria, 11 - 14 June 2015, vol.100, pp.621
- VIII. INDUCTION PHASE INFECTIONS IN CHILDREN WITH ACUTE LYMPHOBLASTIC LEUKEMIA AND IMPACT OF STEROID DOSE ON THE INCIDENCE OF INFECTIONS: A RANDOMIZED CONTROLLED STUDY**  
Bayhan T., ÜNAL S., Tavil B., AYTAÇ S. A., KUŞKONMAZ B. B., Tastemel T., Canoruc S. D., TUNCER M., ÇETİN M., GÜMRÜK F.  
20th Congress of European-Hematology-Association, Vienna, Austria, 11 - 14 June 2015, vol.100, pp.465
- IX. IMPACT OF STEROID DOSE AT INDUCTION PHASE OF PEDIATRIC ALL ON MINIMAL RESIDUAL DISEASE AND SURVIVAL OF THE PATIENTS: A PROSPECTIVE RANDOMIZED STUDY**  
ÜNAL S., Bayhan T., AYTAÇ S. A., Tavil B., KUŞKONMAZ B. B., TUNCER M., GÜMRÜK F., ÇETİN M.  
20th Congress of European-Hematology-Association, Vienna, Austria, 11 - 14 June 2015, vol.100, pp.202-203
- X. Hematopoeitic stem cell transplantation in patients with genetic hemophagocytic lymphohistiocytosis**  
KUŞKONMAZ B. B., AYTAÇ S. A., ÇAĞDAŞ AYVAZ D. N., Bayhan T., Tavil B., ÜNAL S., ÇETİN M., GÜMRÜK F., Tezcan I., Certinkaya D. U.  
41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50
- XI. Hematopoietic Stem Cell Transplantation in Children Using Preimplantation Genetic Diagnosis for HLA-Matched Donor: a Turkish Multicenter Study**  
Kurekci A. E., Kupesiz A., Anak S., Ozturk G., Gursel O., AKSOYLAR S., Ileri T., KUŞKONMAZ B. B., Eker I., ÇETİN M., et al.  
41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50
- XII. Safety and efficacy of deferasirox in beta-thalassemia major patients after hematopoietic stem cell transplantation: Baseline data of a phase II, multi-center, single-arm, prospective study**  
Yesilipek M. A., Karasu G., Kaya Z., KUŞKONMAZ B. B., KANSOY S., Kuepesiz A. O., ÇETİN M., Dag I., Birkent A., Ertem M.  
41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50
- XIII. Split Chimerism Between Nucleated and Red Blood Cells in a Beta Thalassemia Patient After Stem**

## **Cell Transplantation**

OKUR F. V., Aerts-Kaya F. S. F., KUŞKONMAZ B. B., OKUR H., ÇETİN M., GÜMRÜK F., Uckan-Cetinkaya D.

41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50

**XIV. Hematopoietic stem cell transplantation in children with chronic myeloid leukemia**

KUŞKONMAZ B. B., Bayhan T., AYTAÇ S. A., ÜNAL S., Tavil B., GÜMRÜK F., ÇETİN M., Cetinkaya D. U.

41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50

**XV. Association Between High Uric Acid Levels and Hepatic Veno-Occlusive Disease in HCST**

Karapapak M., OKUR F. V., KUŞKONMAZ B. B., ÇETİN M., Uckan-Cetinkaya D.

41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50

**XVI. Hematopoietic stem cell transplantation in Fanconi anemia and acquired aplastic anemia in children: one center experience**

KUŞKONMAZ B. B., Bayhan T., AYTAÇ S. A., ÜNAL S., Tavil B., GÜMRÜK F., ÇETİN M., Cetinkaya D. U.

41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Turkey, 22 - 25 March 2015, vol.50

**XVII. Regresyon Modelinde Çoklu Bağlantı Durumunda Aykırı Değer Sorunu**

TOKA O., ÜNLÜ H., ÇETİN M.

15. Uluslararası Ekonometri, Yöneylem Araştırması ve İstatistik Sempozyumu, 22 - 25 May 2014

**XVIII. Hacettepe Üniversitesi Engelliler Araştırma ve Uygulama Merkezi İskenderun ve Çevresinde Yaşayan İşitme Engelliler Koklear İmplant Kullanıcıları Aileleri Ve Öğretmenlere Yönelik Değerlendirme ve Eğitim Projesi**

ŞAHLİ A. S., BELĞİN E., BURCU E., SAĞLAM M. Y., HAYRAN M., UÇANOK Z., HAZER O., ÇETİN M., SEVİNÇ Ş., ŞAHİN M. İ., et al.

Uluslararası Kent ve Engelliler Çalıştayı, Turkey, 18 - 21 April 2014

**XIX. Haemetopoietic stem cell transplantation in eight children with Griscelli syndrome**

KUŞKONMAZ B. B., Gokce M., Bayhan T., AYTAÇ S. A., Tezcan I., ÇETİN M., Cetinkaya D. U.

39th Annual Meeting of the European-Group-for-Blood-and-Marrow-Transplantation (EBMT), London, Canada, 7 - 10 April 2013, vol.48

**XX. Haematopoietic stem cell transplantation with fludarabine-based conditioning regimen in Fanconi's anaemia**

KUŞKONMAZ B. B., Gokce M., Altan I., AYTAÇ S. A., GÜMRÜK F., ÇETİN M., Cetinkaya D. U.

38th Annual Meeting of the European-Group-for-Blood-and-Marrow-Transplantation (EBMT), Geneva, Switzerland, 1 - 04 April 2012, vol.47

**XXI. Robust Estimation in Cox Proportional Hazards Model**

KONŞUK H., ÇETİN M., TOKTAMIŞ Ö.

6th Conference of the Eastern Mediterranean Region of the International Biometric Society (EMR-IBS), Creteil, France, 8 - 12 May 2011, pp.64

**XXII. Serological response to influenza vaccine haematopoietic stem cell transplantation patients**

YALÇIN Ş., Kondolot M., Albayrak N., Altas B., Karacan Y., KUŞKONMAZ B. B., AKSU S., ÇETİN M., GÖKER H., YURDAKÖK K., et al.

36th Annual Meeting of the European-Group-for-Blood-and-Marrow-Transplantat/9th Meeting of the EBMT Data-Management-Group/26th Meeting of the EBMT Nurses Group/2nd EBMT Qual Management Meeting, Vienna, Austria, 21 - 24 March 2010, vol.45

**XXIII. Comparison of miRNA expression profile during adipocyte induction of mesenchymal stem cells from bone marrows of malignant infantile osteopetrosis patients and bone marrow donors reveals 15 differentially expressed miRNAs**

Gunel-Ozcan A., KILIÇ E., Aerts-Kaya F. S. F., ÇETİN M., Uckan D.

36th Annual Meeting of the European-Group-for-Blood-and-Marrow-Transplantat/9th Meeting of the EBMT Data-Management-Group/26th Meeting of the EBMT Nurses Group/2nd EBMT Qual Management Meeting, Vienna,

Austria, 21 - 24 March 2010, vol.45

**XXIV. Kültürel İmajlar ve Engelli Birey Olma**

BURCU SAĞLAM E., ÇETİN M.

Olma, Uluslararası Türkiye- Mısır İlişkileri Sempozyumu ve Güzel Sanatlar Sergisi, 02 November 2009

**XXV. Özürlülüğe İlişkin Düşüncelerin Homojenleştirme Analizi ile İncelenmesi: Ankara Örneği**

BURCU SAĞLAM E., ÇETİN M.

4. İstatistik Günleri Sempozyumu IGS, 20 May 2004

## **Supported Projects**

EKMEKÇİ F. G., BÜYÜKYAZICI M., ÖZSOY E. D., ALTUNTAŞ ÖZTAŞ N., ERTÜRK R., ÇETİN M., Project Supported by Higher Education Institutions, Fen Fakültesi Bölümü Lisans Programı FEDEK Akreditasyonu, 2019 - 2020

ÇETİN M., Project Supported by Higher Education Institutions, Survey Araştırmalarına İlişkin Gelişmeler, 2016 - 2017

ÇETİN M., TOKA O., Project Supported by Higher Education Institutions, Robust Boosting Algoritması:

GudermannianBoost, 2016 - 2016

ÇETİN M., Project Supported by Higher Education Institutions, Ekonomik veri modellerinde Model Seçimi, 2016 - 2016

ÇETİN M., Project Supported by Higher Education Institutions, Sağlam değişken seçimi, 2015 - 2016

TOKA O., ÇETİN M., Project Supported by Higher Education Institutions, Veri Silme ve Yükleme Yöntemlerinin

Kestirimlerinin Ortalama Karesel Hata Bakımından Karşılaştırılması, 2015 - 2015

## **Metrics**

Publication: 53

Citation (WoS): 65

Citation (Scopus): 45

H-Index (WoS): 4

H-Index (Scopus): 4

## **Non Academic Experience**

Hacettepe Üniversitesi

Western Illinois University