



IRSYSC 2025

9th International Researchers, Statisticians and
Young Statisticians Congress

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FIRST
STOP



ADANA/TÜRKİYE
26-27 NOVEMBER 2025

FAMAGUSTA / TRNC
28-29 NOVEMBER 2025



SECOND
STOP



26 NOVEMBER 2025	ÇUKUROVA DEVELOPMENT AGENCY CONFERENCE HALL	
	09:00-10:00	Registration
	10:00-10:20	Opening Ceremony
		Assoc. Prof. Dr. Selim GÜNDÜZ- Chairman of the IRSYSC 2025 Organizing Committee
		Prof. Dr. Hülya Çıngı- Honorary President of the Congress
		Prof. Dr. Adnan SÖZEN- Rector of ATÜ
	10:20-11:00	Invited Speaker- Assoc. Prof. Dr. İbrahim DEMİR "Türkiye İstatistik Kurumu İşleyişi ve Tarım Sayımı"
	11:00-11:15	Coffee break
	11:15-12:00	Invited Speaker- Prof. Dr. Hakan DEMİRTAŞ "Hybrid Data Generation in Simulated Environments"
	12:00-12:45	Invited Speaker- Prof. Dr. Hülya ÇINGİ "Karmaşık Tahmin Ediciler İçin Taylor Serisi Yönetimi"
	12:45-14:00	Lunch break
	14:00-14:45	Invited Speaker- Prof. Dr. Hamparsum BOZDOĞAN "High-Dimensional Misspecified Sparse Bridge Regression Model"
	14:45-15:15	Invited Speaker- Assoc. Prof. Dr. F. Feyza GÜNDÜZ "Kadın, Veri ve Duygu: Görülmeyenin Bilimsel İzdüşümü"
	15:15-15:30	Coffee break
	Session Chair	Chairman of the session: Prof. Dr. Celile ÖZÇİÇEK DÖLEKOĞLU
	15:30-16:45	THE RELATIONSHIP BETWEEN CULTIVATION AREA AND LEMON AND SOYA PRICES IN TR62 STATISTICAL ZONE Dr. Nihat FİDAN*, Prof. Dr. Sevgi TÜZÜN RAD
		THE IMPACT OF CONSUMER VALUES AND CLIMATE CONCERNS ON GREEN PURCHASING BEHAVIOR Prof. Dr. Celile ÖZÇİÇEK DÖLEKOĞLU, Res. Assist. Yasin ÖZKAN*
		ON A NEW PROBABILITY DISTRIBUTION DEFINED ON THE INTERVAL (0,1) BASED ON TWO DIFFERENT DISTRIBUTIONS Kutsal SERTSÖZ*, Prof. Dr. Mustafa Ç. KORKMAZ
		MULTI-DIMENSIONAL MEASUREMENT OF POVERTY IN TÜRKİYE Dr. Zeynep GURSOY*, Yakut YUKSEL
		AN ONTOLOGY-BASED APPROACH FOR DATA INTEGRATION IN DISASTER MANAGEMENT Turkstat Expert Mikail GÜNEYDAŞ*, Assoc. Prof. Dr., Caner GÜNEY
	16:45-17:00	Coffee break
	Session Chair	Chairman of the session: Dr. Nihat FİDAN
	17:00 – 18:00	A COMPARATIVE ANALYSIS OF PUSH AND PULL METHODS IN INTERNATIONAL DATA TRANSMISSION Serhat ATAĞUL
		AĞIR KUYRUKLU SİGORTA HASARLARININ MODELLENMESİNDE BİLEŞİK VE ÜSTELLEŞTİRİLMİŞ BİLEŞİK DAĞILIMLAR Assoc. Prof. Dr. Ayten YİĞİTER, Assist. Prof. Dr. Yasemin SAYKAN
		THE METHODOLOGICAL CONTRIBUTIONS OF TIME USE SURVEY TO MEASURE THE WORK-LIFE BALANCE Evrin SULTAN*, Assoc. Prof. Dr. İlknur YÜKSEL KAPTANOĞLU
		EXPLAINABLE MACHINE LEARNING MODELS FOR PREDICTING ICU MORTALITY Dr. Muslu Kazım KÖREZ, Dr. Yeşim Şerife BAYRAKTAR, Prof. Dr., Jale Bengi ÇELİK
		FAIRNESS SENSITIVITY, RISK PREFERENCES AND CONFIRMITY UNDER SOCIAL CONTEXT: EXPERIMENTAL EVIDENCE FROM GENERATION Z. Can Yıldızhan, Assoc. Prof. Dr. Ömer Tuğsal Doruk
		MODERNIZATION OF THE DATA DISSEMINATION SYSTEM THROUGH A HYBRID SDMX-BASED ARCHITECTURE Cüneyt KURT*, Duygu AYTAZ, Ezgi Sena ERTÜRK
	19:00-21:00	GALA DINNER (HOLIDAY HOTEL)

26 NOVEMBER 2025	ÇUKUROVA DEVELOPMENT AGENCY MEETING ROOM	
	Session Chair	Chairman of the session: Assoc. Prof. Dr. Nimet ÖZBAY
	14:00-16:00	THE RELATIONSHIP BETWEEN GOVERNANCE AND CLIMATE VULNERABILITY: A CRITIC–SVR APPROACH IN G20 COUNTRIES Dr. Abdurrahman COŞKUNER*, Dr. Abdulkadir AKSOY, Assoc. Prof. Dr. Ömer Faruk RENÇBER
		NEW UNWEIGHTED AND WEIGHTED PRINCIPAL COMPONENTS REGRESSION ESTIMATORS FOR LINEAR REGRESSION MODEL Murat POLAT*, Prof. Dr., Selahattin KAÇIRANLAR, Assoc. Prof. Dr., Nimet ÖZBAY
		ETHICS IN STATISTICS AS PROFESSIONAL ETHICS: PRINCIPLES, RESPONSIBILITIES AND CHALLENGES Dr. Asila KOÇAK*
		A NEW PERSPECTIVE BASED ON METAHEURISTIC OPTIMIZATION FOR BIASING PARAMETER SELECTION ISSUE IN ALMON DISTRIBUTED LAG MODEL Assoc. Prof. Dr. Nimet ÖZBAY
		BİYOMİMETİK YAKLAŞIM VE ÖRGÜTSEL BAĞIŞIKLIK İLİŞKİSİ Dr. Osman Kara*
		PATENT-BASED R&D TRAINING SET: AN INSTRUCTIONAL MODEL FOR DEVELOPING INNOVATION COMPETENCIES IN TEXTILE TECHNOLOGY EDUCATION Polen Nur KARAOĞLU, Özlem Gülsena VAR
		COMPARISON OF BLOOD GROUP DISTRIBUTION IN PATIENTS WITH ACUTE PANCREATITIS WITH THE TURKISH POPULATION: A RETROSPECTIVE ANALYSIS PhD Student Raziye AKTAŞ*, Assoc. Prof. Dr. Ahmet AKTAŞ
	16:00-16:15	Coffee break
	Session Chair	Chairman of the session: Assist. Prof. Dr. İlker İbrahim AVŞAR
	16:15-18:15	DIGITAL PUBLIC CAPACITY AND HEALTH SECURITY: AN ENTROPY–RIDGE REGRESSION APPROACH Dr. Abdurrahman COŞKUNER*, Dr. Abdulkadir AKSOY, Assoc. Prof. Dr. Ömer Faruk RENÇBER
		STATISTICAL QUALITY ASSURANCE FRAMEWORK Dr. Serdar Cihat GÖREN
		APPLICATION OF MULTICRITERIA DECISION-MAKING METHODS IN THE FIELDS OF ENERGY AND TRANSPORTATION Assoc. Prof. Dr. Başak Gül AKAR*, Assist. Prof. Dr. İlker İbrahim AVŞAR
		A GENERATION – BASED PRODUCT SUGGESTION AND SHOPPING PROGRAM MODEL X, Y, AND Z Hatice Sümeyye ŞAFAK, Maryam ABU RASHED
		ADİL+T: SÜRDÜRÜLEBİLİR YÖNETİMİN BEŞ TAŞIYICI KOLONU Dr. Osman Kara*
		BAĞIMSIZ DENETİMDE YAPAY ZEKA KULLANIMI Rabia Göçer
		EVALUATION OF PRECISION REQUIREMENTS IN HOUSEHOLD SURVEYS TÜİK Uzmanı Gülser Pınar YILMAZ EKŞİ, TÜİK Uzmanı Cenker Burak METİN, Araştırma Tasarımları Grup Başkanı Cansu ÖZTÜRK, TÜİK Uzmanı Duygu DEDEOĞLU
		DETECTING COORDINATED POLITICAL INFLUENCE NETWORKS ON SOCIAL PLATFORMS: A STATISTICAL APPROACH Assoc. Prof. Selim GÜNDÜZ
	19:00-21:00	GALA DINNER (HOLIDAY HOTEL)

27 NOVEMBER 2025

ÇUKUROVA DEVELOPMENT AGENCY MEETING ROOM (HYBRID PRESENTATION)	
Session Chair	Chairman of the session: Assoc. Prof. Yakup Murat Bulut
9:30-12:00	ZERO-INFLATED POISSON AND NEGATIVE BINOMIAL REGRESSION MODELS: AN INVESTIGATION OF THE PUBLICATION PERFORMANCE OF BIOCHEMISTRY DOCTORAL STUDENTS MSc Student, Gamze GÖKDERE*, Assoc. Prof. Dr., Özge KURAN
	ALTERNATIVE BIASED ESTIMATOR for the CONWAY-MAXWELL POISSON REGRESSION MODEL Melike Işılar*, Assoc. Prof. Y. Murat Bulut
	COMPARISON OF GENERALIZED LINEAR MIXED MODELS (GLMM), ZERO-INFLATED GLMM, AND HURDLE MODELS ON THE SALAMANDERS DATASET USING THE glmmTMB PACKAGE MSc Student, Mehmet Mustafa ERDOĞAN*, Assoc. Prof. Dr., Özge KURAN
	BAYESIAN ELASTIC-NET COX MODELS FOR HIGH-DIMENSIONAL SURVIVAL ANALYSIS PhD., Ersin YILMAZ*, Prof. Dr., Dursun AYDIN
	APPLICATION OF YOLOV8-YOLOV11 FOR REAL-TIME POLYP DETECTION IN CLINICAL SETTINGS Alben MERT *, Prof.Dr, Ali Hakan BÜYÜKLÜ, Prof.Dr, Bülent BAYRAM, Prof.Dr, Semra ERPOLAT TAŞABAT
	VERİ KEŞFİ, ERIŞİLEBİLİRLİK VE KARŞILAŞTIRMALI ANALİZİ DESTEKLEYEN MODERN VERİ PORTALI MİMARİSİ Mahmut SEVİMLİ*, Mustafa Can BİCİOĞLU, Tarık Cem YILDIRIM
	COMPARATIVE EVALUATION OF FDR AND FWER PROCEDURES IN GAUSSIAN MULTI-ARM DESIGNS: A MONTE CARLO SIMULATION STUDY Hakan ÖZTÜRK
	A WIND ENERGY PRODUCTION PERFORMANCE ESTIMATION BASED ON WEIGHTED MULTI-STATE SYSTEM MODELING Assoc. Prof., Funda ISCIOGLU*, Ebru KARADAYI OZEFE
	TECHNICAL EFFICIENCY ANALYSIS OF UNIVERSITIES DATA ENVELOPMENT ANALYSIS (DEA) RESULTS BASED ON YÖKAK DIMENSIONS MSc Student Firdevs Sema Özer*, Assist. Prof. D Selen Çakmakyapan
12:00-12:15	Coffee break
Session Chair	Chairman of the session: Assoc. Prof. Başak Gül AKAR
12:15-14:30	KAMU VERİ EKOSİSTEMİ İÇERİSİNDE TÜİK'İN BİLİŞİM VİZYONU Dr. Gaye MAT ÇELİK, Dr. Serhan KÖKHAN
	COMPARISON OF DIFFERENT MACHINE LEARNING ALGORITHMS IN PREDICTING DAILY ACTIVITY LIMITATION Tolga DEMİREL*
	DIABETES RISK PREDICTION USING LOGISTIC REGRESSION: THE EFFECTS OF GLUCOSE, BMI, AND AGE MSc Student, Sait Ali YILMAZ*, Assoc. Prof. Dr., Özge KURAN
	BRIDGING CAUSAL INFERENCE AND GRAPH NEURAL NETWORKS: A COMPARATIVE PERSPECTIVE Muhammed Ömer TAYLAN*, Assoc. Prof. Dr. Sefer BADAY
	THE IMPACT OF SELECTED MACROECONOMIC INDICATORS ON EXCHANGE RATE DYNAMICS IN SOMALIA Dr. LA Mohamud, Assoc. Prof. Dr. Fatma Feyza GÜNDÜZ, Abdirahman Ali*
	AN INVESTIGATION ON MOTIVATED CONSUMER INNOVATION IN AFRICAN COUNTRIES Master Student, Fatma DAHMANE*, Assoc. Prof. Dr. Fatma Feyza GÜNDÜZ
	DIŞ ŞOK ETKİSİ ALTINDA KORUMA BLOKLARI İLE DONATILMIŞ ARDIŞIK BİR SİSTEMİN GÜVENİLİRLİĞİ Doç. Dr., Fahrettin ÖZBEY
	A PERSISTENT ITERATIVE HEURISTIC FOR CONSISTENCY IMPROVEMENT IN PAIRWISE COMPARISON MATRICES Mahmut Berkan ÇETİN*, Assoc. Prof. Selim GÜNDÜZ
	FILLING MISSING DATA USING GENERATIVE AI MODELS: MODERN APPROACHES AND APPLICATIONS Yüksek Lisan Öğrenci, Yulduz ABDURAHMANOVA*, Dr. Öğr. ÜyesiMustafa CAN
14:30-14:45	Coffee break

27 NOVEMBER 2025	ÇUKUROVA DEVELOPMENT AGENCY MEETING ROOM	
	(HYBRID PRESENTATION)	
	Session Chair	Chairman of the session: Assoc. Prof. Murat GENÇ
	14:45-16:30	EMPLOYMENT, PRODUCTION AND EXPORT TRENDS IN TÜRKİYE'S TEXTILE SECTOR Derya Begüm EROL*, Hanife KALKA
		SEMANTIC SEGMENTATION OF BRAIN STROKE LESIONS IN COMPUTED TOMOGRAPHY IMAGES WITH TOPOLOGICAL DEEP LEARNING Ömer KILIÇARSLAN*, Doç. Dr. Elif TUNA
		THE EFFECT OF GLOBAL ECONOMIC POLICY UNCERTAINTY ON GOLD PRICES: A FOURIER ARDL APPROACH Asst. Prof. Dr. Ömer Faruk BÖLÜKBAŞI
		COMPENSATING FOR PARAMETRIC HETEROGENEITY IN VIOLATIONS OF MEASUREMENT CONSTANCY: THE STABILIZER VARIABLE APPROACH Assoc. Prof. Salim YILMAZ*, Assoc. Prof. Erhan ÇENE
		MULTIDIMENSIONAL RELATIONSHIPS BETWEEN LIQUIDITY AND DEBT INDICATORS AND PROFITABILITY AND ASSET UTILIZATION EFFICIENCY: CANONICAL CORRELATION ANALYSIS ON BIST Lecturer Dr. Tuba ŞEKERCİ*, Research Assistant Dr. Mine DOĞAN, Prof. Dr. Mehmet GÜRCAN
		LEARNING SEGMENTS FROM UNLABELED HEDONIC CATALOGS: A HYBRID LEARNING APPROACH Assistant Professor, Olcay ALPAY*, MSc Student, Kürşat Kerem GÖKKAYA
		THE RELATIONSHIP BETWEEN GOVERNANCE QUALITY AND SOCIAL PROGRESS: AN ENTROPY – XGBOOST APPROACH IN OECD AND G20 COUNTRIES PhD Student, Eda ZORKİRİŞÇİ*, Assoc. Prof., Abdulkadir AKSOY, Assoc. Prof., Ömer Faruk RENÇBER
		THE RELATIONSHIP BETWEEN ARTIFICIAL INTELLIGENCE READINESS AND ECONOMIC COMPLEXITY: A MARCOS–XGBOOST APPROACH PhD Student, Eda ZORKİRİŞÇİ*, PhD Student, Zehra ÇELİK, Assoc. Prof., Ömer Faruk RENÇBER
	16:30-16:45	Coffee break
	Session Chair	Chairman of the session: Assoc. Prof. Yusuf Kuvvetli
	16:45-18:45	BEŞERİ SERMAYE ENDEKSİ BİLEŞENLERİ İLE GELİR DAĞILIMI ARASINDAKİ İLİŞKİNİN BÖLGESEL DÜZEYDE İNCELENMESİ Özer COŞKUN, Dr. Tuncay MORALI
		MODEL-AGNOSTIC INTERPRETABLE MACHINE LEARNING APPROACH FOR EARLY-STAGE ALZHEIMER'S DISEASE PREDICTION Asst. Prof. Dr. Fulden CANTAŞ TÜRKİŞ
		DEEP LEARNING-BASED TWEEDIE MODELING FOR PURE PREMIUM ESTIMATION WITH HETEROGENEOUS DISPERSION Müge YELDAN*, Doç. Dr. Uğur KARABEY
		A MULTIVARIATE ANALYSIS OF LIVESTOCK IN TÜRKİYE Nevra ALHAS EROĞLU, Ph.D.
		MODELING ROAD ACCIDENT FREQUENCIES USING COUNT MIXED MODELS: A COMPARATIVE ANALYSIS OF BELL, POISSON, GENERALIZED POISSON AND NEGATIVE BINOMIAL APPROACHES Assoc. Prof. Dr., Hatice Tul Kubra AKDUR*, Assoc. Prof. Dr., Melike BAHCECİTAPAR
		MACHINE LEARNING FOR THE PREDICTION OF AUTOMOBILE INSURANCE CLAIM COMPONENTS: BEYOND THE GLM FRAMEWORK Dr. Övgücan KARADAĞ ERDEMİR*, Dr. Öznur ÖZALTIN
		COINTEGRATION ANALYSIS OF THE RELATIONSHIP BETWEEN INDIVIDUAL PENSION DEMAND AND DIGITALIZATION: THE CASE OF TÜRKİYE Buse Başak ÖZTÜRK*, Ali ÇINAR, Dr. Övgücan KARADAĞ ERDEMİR
		ŞOK MODELLERİNİN İNCELENMESİ Seval ŞAHİN ELHATISARI, Prof. Dr. Gökhan GÖKDERE
		DEEP LEARNING-BASED QUANTILE FORECASTING AND RISK-FOCUSED PORTFOLIO OPTIMIZATION Tuna ÇİLEK*, Prof. Dr. Serpil KILIÇ DEPREN
		ANALYSIS OF THE HUMAN DEVELOPMENT INDEX OF AGRICULTURE-FOCUSED PROVINCES Assoc. Prof. Dr. Fethi Şaban ÖZBEK*

28 NOVEMBER 2025	FAMAGUSTA/TRNC	
	09:00-10:00	Registration
	10:00-10:30	Opening Ceremony
		Assoc. Prof. Dr. Selim GÜNDÜZ- Chairman of the IRSYSC 2025 Organizing Committee
		Prof. Dr. Hülya Çingir- Honorary President of the Congress
		Prof. Dr. Hasan KILIÇ- Rector of EMU
	10:30-11:00	Invited Speaker- Zorlu TÖRE
	11:00-11:20	Coffee break
	11:20-12:00	Invited Speaker- Prof. Dr. Coşkun KUŞ "Censoring Techniques: Modeling and Estimation from Basic Schemes to Progressive First-Failure Censoring"
	12:00-12:40	Invited Speaker- Prof. Dr. Çidem Arıcıgil Çılan "İstatistiğin Dönüşümü ve Yeni Yaratıcı Zeka"
	12:40-14:00	Lunch break
	Session Chair	Chairman of the session: Assoc. Prof. Adnan KARAİBRAHİMOĞLU
	14:00-15:45	DISCRETE STATISTICS: COUNTING SHORTEST PATHS TO OBTAIN VARIOUS COEFFICIENTS Prof. Dr. Benedek NAGY
		WEIGHTED MULTINOMIAL LOGISTIC REGRESSION to MODEL the INFLAMMATORY and NUTRITIONAL STATUS in PATIENTS WITH CABG SURGERY Assoc. Prof. Adnan KARAİBRAHİMOĞLU*, Assist. Prof. Mutlu ALTUNTAŞ
		APPLYING MACHINE LEARNING DATA IMPUTATION TECHNIQUES FOR MISSING DATA IN THE ANALYSIS OF FINANCIAL DEVELOPMENT AND TRADE OPENNESS IN AFRICA: EVIDENCE FROM CFA COUNTRIES Obioma C. OBIJAMA
		TÜRKİYE'DE AİLE YAPISI, AİLE İLİŞKİLERİ VE YAŞLILIKTA BAKIM BEKLENTİLERİNİN TGSS 2024 VERİLERİYLE ANALİZİ Serkan Akoğul, Büşra Akoğul
		ANALYSIS AND FORECASTING OF THE TURKISH CPI INDEX USING ARFIMA MODEL (JANUARY 2005 – SEPTEMBER 2025) Prof. Dr. Şenol ÇELİK*
		THE ROLE OF OIL EXPORT AND CO2 EMISSION REDUCTION ON ECONOMIC GROWTH IN A COMBINED ENDOGENOUS GROWTH AND KUZNETS CURVE MODELS: EVIDENCE FROM ARAB STATES OF THE PERSIAN GULF Prof. Dr. Sami FETHİ, Assoc. Prof. Dr. Hatice İMAMOĞLU, Dr. Gülsen DÖKMECİOĞLU*
		RESEARCH TRENDS IN GENERALIZED ORDER STATISTICS: A BIBLIOMETRIC ANALYSIS (1990–2025) Prof. Dr. Şenol ÇELİK*, Prof. Dr. Aşır GENÇ
	15:45- 16:00	Coffee break
	Session Chair	Chairman of the session: Assoc. Prof. Dr. Burak Erkut
	16:00-18:00	AIISM AND THE NEW MEDIA EXPERIENCE: THE IMPACT OF AI-POWERED RECOMMENDATION SYSTEMS ON BINGE-WATCHING BEHAVIOR Anastasia IŞIK*, Prof. Dr. Celile ÖZÇİÇEK DÖLEKOĞLU
		CIRCULAR ECONOMY PRACTICES AND ECOLOGICAL FOOTPRINT: EVIDENCE FROM SELECTED EUROPEAN COUNTRIES Dr. Mehmet Bahri SAYDAM*, Assoc. Prof. Dr. Burak ERKUT, Res.Assist. Ali DOĞDU
		CONSUMER ADOPTION OF E-HEALTH SERVICES AND ELECTRONIC WORD-OF-MOUTH IN THE VIEWPOINTS OF TRUST TRANSFER Res. Assist. Süleyman SATAN*, Res. Assist. Abolfazl DAMANKESHAN
		A DUAL COMPARATIVE ANALYSIS OF COUNTRIES' GREEN GROWTH EFFICIENCY USING DEA APPROACHES MSc, Nuriye ÇETİN*, Asst. Prof. Dr. Sevgi ABDALLA
		KURUMSAL ZİHİNSEL MUHASEBENİN YENİ İNDEKSLER İLE ÖLÇÜLMESİ: ASELSAN VAKASI Dr. Öğretim Üyesi Gülgün ERKAN, Prof.Dr. Çiğdem ARICIĞİL ÇILAN
		DENİM KALİTE KONTROL SÜREÇLERİNDE YAPAY ZEKA UYGULAMALARI Serin Mezarcıöz, Yusuf Kuvvetli
		MULTIPLE ARBITRARILY INFLATED POISSON REGRESSION ANALYSIS Prof. Dr. Coşkun Kuş
		UNCERTAINTY MEETS INTELLIGENCE: GREY MARKOV MODELS IN THE ERA OF AI Res. Assist. Havva KOCABAŞA*, Assoc. Prof. Dr. Fatma Feyza GÜNDÜZ



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