



**Dr. Ö. Ozan Evkaya,**  
**Research Assistant**  
Atılım University  
Department of Mathematics  
06830 İncek, Gölbaşı, Ankara/TURKEY  
ozan.evkaya@atilim.edu.tr  
Tel: +90 312 586 82 23

## PERSONAL

<b>Date of Birth</b>	03/07/1987
<b>Place of Birth</b>	Avanos

## EDUCATION

2012-2018	Middle East Technical University, Statistics, Ph.D.
2009-2012	Middle East Technical University, Actuarial Science, M.Sc.
2004-2009	Middle East Technical University, Mathematics, B.S.

## ACADEMIC POSITIONS

<b>09/2009</b>	Research Assistant, Department of Mathematics, Atılım University, Turkey
----------------	--

## HONORS&AWARDS

<b>1</b>	TUBITAK 2224-A, Participation in Scientific Activities Abroad Program, May 2015.
----------	--

## RESEARCH INTERESTS

<b>1</b>	Drought Analysis, Optimization Methods, Time Series Analysis, Statistical Methods in Finance and Insurance, Copulas and Its Applications, Vine Copulas, Mixture of Copulas.
----------	---

## PUBLICATIONS

<b>1</b>	Evkaya, O., Yildirak, S. K. & Selcuk-Kestel, A. S. Assessment of Index-based Drought Insurance. <i>Ekonomik Yaklaşım</i> , 28(105), 2017.
<b>2</b>	G. Erkan, O. Evkaya and S. Turkan, The Determination of the Affecting Factors of the Number of Babies Born Alive in Multiple Pregnancies with Poisson Models. <i>Turkiye Klinikleri Journal of Biostatistics</i> , 9(3), 2017.
<b>3</b>	Evkaya, O., Yozgatligil, C. & Selcuk-Kestel, A. S. (2017). Finite Mixture of C-vines for Complex Dependence. <i>Proceedings of the 20th European Young Statisticians Meeting</i> , 14-18 August, 2017, Uppsala, Sweden, 125–130.
<b>4</b>	Evkaya, O., Yozgatligil, C. and Selcuk-Kestel, A. S. (2018). Measuring Dependence between Electricity Consumption and Contributing Indicators via Copulas: Turkish Case. <i>Gazi University Journal of Science</i> (accepted).

## PROJECTS

1	Project Title: Crop Yield Modeling and Actuarial Evaluations using Vine Copulas (01.01.2016-31.12.2016) PI: Assoc. Dr. A. Sevtap Kestel Supported by: METU (BAP-07-05-2016-001) Role & spent time : assistant researcher & 12 Months
2	Project Title: Copula based Drought Analysis and Drought Estimations: Konya Case (01.01.2017-31.12.2017) PI: Assoc. Dr. Ceylan Yozgatligil Supported by: METU (BAP-08-11-2017-025) Role & spent time : assistant researcher & 12 Months

## SEMINAR TALKS

1	<b>Middle East Technical University</b> , Mixture of Vine Copulas for Complex Dependence Patterns, January 2017.
2	<b>Atılım University</b> , What is Actuarial Science ?, 2012.

## CONFERENCE PRESENTATIONS (ORAL)

1	<b>11. International Statistics Days Conference (ISDC2018), Muğla, Turkey</b> , "Understanding Drought with copula functions: Case study for Konya Province", 3-7 October 2018.
2	<b>EuroMath-EuroScience 2018, Krakow, Poland</b> , "Mathematics in Theatre: Beckett's Quad Play and Consuming Space: Joint Workshop with Gizem Gürer for young researchers", 7-11 March 2018.
3	<b>International Statistics Congress (ISC2017), Ankara, TURKEY</b> , "Drought Forecasting with Time Series and Machine Learning Approaches", 6-8 December 2017.
4	<b>Advanced Modelling in Mathematical Finance. A Workshop in Honour of Azize Hayfavi's 75'th Birthday, Ankara, TURKEY</b> , "Copula(s), advantages and limitations with its applications", 23 October 2017.
5	<b>20th European Young Statisticians Meeting, Uppsala, SWEDEN</b> , "Finite Mixture of C-vines for Complex Dependence", 14-18 August 2017.
6	<b>Copula Theory and its Applications. To commemorate the 75'th birthday of Professor Roger B. Nelsen, Almeria, SPAIN</b> , "Multivariate Analysis of Drought Characteristics Using Vine Copula Approach", 3-5 July 2017.
7	<b>3rd International Researchers, Statisticians and Young Statisticians Congress (IRSYC 2017), Konya, TURKEY</b> , "The Investigation of the Number of Babies Born Alive in Multiple Pregnancies Using Poisson Models", 24-26 May 2017.
8	<b>Recent Developments in Dependence Modelling with Applications in Finance and Insurance (Fourth Edition), Aegina, GREECE</b> , "Mixture of Vine Copulas for Complex and Hidden Dependence", 22-23 May 2017
9	<b>X'th International Statistics Days Conference (ISDC 2016), Giresun, TURKEY</b> , "Bivariate Drought Analysis using Copulas", 7-9 October 2016.
10	<b>IX'th International Statistics Congress, Antalya, TURKEY</b> , "Electricity Consumption and Economic Growth in Turkey: Is Copula framework possible ?", 28 October-1 November 2015.
11	<b>Summer School on Copulas for Hydrology and Environmental Sciences, Pau, FRANCE</b> , "Copula Based Drought Indices (joint work with Tobias, E. and Ondrej, L.)", 6-10 July 2015.
12	<b>X'th International Conference on Applied and Computational Mathematics (ICACM), Ankara, TURKEY</b> , "Basis Risk Comparison of Bayesian based Wheat Yield Estimation against drought", 3-6 October, 2012.

## CONFERENCE PRESENTATIONS (POSTER)

1	<b>4th International Researchers, Statisticians and Young Statisticians Congress (IRSYSC 2018), İzmir, TURKEY</b> , "More than a data: Migration Problem and its impacts in Turkey", 28-30 April 2018.
2	<b>30. National Mathematics Symposium, Ankara, TURKEY</b> , "Mathematics in Theatre: Quad and Consuming Space (joint work with Gizem Gurer)", 6-9 September 2017.
3	<b>Dependence Modeling in Finance, Insurance and Environmental Science, München, GERMANY</b> , "Assessment of Multivariate Drought Index via Vine Copula", 17-19 May 2016.
4	<b>VIII<sup>th</sup> International Statistics Congress, Antalya, TURKEY</b> , "The Prediction of Turkish Local Derby Matches (joint work with Sezgin Ciftci)", 27-30 October 2013.

## COURSES GIVEN (Recitations, Labs)

1	Discrete Mathematics and Combinatorics
2	General Mathematics
3	Single Variable Calculus
4	Calculus 1-2
5	Mathematical Analysis 1-2
6	Extended Calculus 1-2
7	Advanced Calculus 1-2
8	Introduction to Mathematical Finance
9	Numerical Analysis
10	Numerical Methods for Engineers

## PROFESSIONAL MEMBERSHIP

1	Student Membership, Society for Industrial and Applied Mathematics (SIAM), 2017 – 2018.
2	Student Membership, Bernoulli Society for Mathematical Statistics and Probability, 2017 – 2018.

## OTHER ACADEMIC ACTIVITIES

1	Muğla Sıtkı Koçman University / 11 <sup>th</sup> International Statistics Days Conference, ( <b>as a member of organizing committee</b> ), October 2018, Muğla, TURKEY.
2	TOBB University of Economics and Technology / The 5 <sup>th</sup> International Fuzzy Systems Symposium, ( <b>as a participant and volunteer</b> ), October 2017, Ankara, TURKEY.
3	Marmara University / II. İstatistik ve Esnek Hesaplama Çalıştayı, ( <b>as a participant</b> ), September 2017, İstanbul, TURKEY.
4	Atılım University / National Mathematics Symposium (UMS2017), ( <b>as a member of organizing committee</b> ), September 2017, Ankara, TURKEY.
5	Atılım University / International Conference on Applied Mathematics and Analysis (ICAMA), In Memory of Gusein Guseinov. ( <b>as a member of organizing committee</b> ), July 2016, Ankara, TURKEY.

6	Middle East Technical University / The 3rd Ankara-Istanbul Workshop on Stochastic Processes (0634SP2016) ( <b>as a participant</b> ), June 2016, Ankara, TURKEY.
7	Middle East Technical University / X. Ankara Matematik Günleri Sempozyumu ( <b>as a participant</b> ), June 2015, Ankara, TURKEY.
8	Atilım University / Atilım Geometry Topology Workshop ( <b>as a member of organizing committee</b> ), May 2015, Ankara, TURKEY.
9	Atilım University / IX. Ankara Matematik Günleri Sempozyumu ( <b>as a member of organizing committee</b> ), June 2014, Ankara, TURKEY.
10	Atilım University / XII. International Workshop on Dynamical Systems and Applications ( <b>as a participant</b> ), August 2013, Ankara, TURKEY.
11	Başkent University / I. National Insurance and Actuary Congress ( <b>as a participant</b> ), June 2013, Ankara, TURKEY.