

ALI MERTCAN KÖSE

About Me

I am Ph.D. Candidate of Statistics at Mimar Sinan Fine Arts University. My research interests include multivariate statistics methods such as reliability analysis, exploratory factor analysis, confirmatory factor analysis, structural equation modeling, and latent class analysis. My research continues on Bayesian latent class analysis and machine/deep learning in Genome.

I work as freelancer Statistician, besides I give academic consultant service.

EDUCATION

- | | | |
|---------------------------------|--|--------------------|
| 2013 | Eskişehir Osman Gazi University
B.S. in Statistics | Eskişehir, Türkiye |
| 2015 | Anadolu University
B.S. in Economics (Open Training Faculty) | Eskişehir, Türkiye |
| 2018 | Mimar Sinan Fine Arts University
Msc. in Statistics | Istanbul, Türkiye |
| 2022-2023
(Visiting Scholar) | Roma Sapienza University
Ph.D in Statistics | Rome, Italy |
| 2024 | Mimar Sinan Fine Arts University
Ph.D in Statistics | Istanbul, Türkiye |

RESEARCH EXPERIENCE

- | | | |
|-------------------|--|-------------------|
| 2020

2021 | Lecturer
Istanbul Kent University
• I taught Biostatistics, Basic Information Technologies and Research Methods for Health Sciences | Istanbul, Türkiye |
| 2021

2023 | Lecturer
Haliç University
• I taught Biostatistics for Health Sciences. | Istanbul, Türkiye |

TEACHING EXPERIENCE

- | | | |
|-----------|--|-------------------|
| 2020-2022 | Biostatistics
Istanbul Kent University and Halic University | Istanbul, Türkiye |
| 2022-2024 | Python Programming and Artificial Intelligence
Istanbul Ticaret University | Istanbul, Türkiye |



CONTACT INFO

✉ alimertcankose@gmail.com

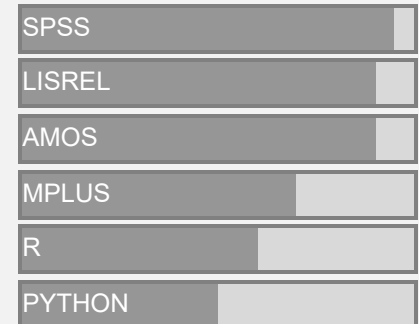
🐙 [github](#)

in [Ali Mertcan Köse](#)

🌐 [Web Site](#)

For more information, please contact me via email.

SKILLS



This resume was made with the R package, you can access draft on my [github repo](#).

Last updated on 2024-07-01.



PUBLICATIONS

- 2024 ● **Unveiling off-target mutations in CRISPR guide RNAs: Implications for gene region specificity.**
The CRISPR Journal. 2024 June;7(3):168-178.
Kose, A. M., Kocadagli, O., Taştan, C., Aktan, C., Ünalı, O. M., Güzenge, E., Erdil, H. E..
- 2023 ● **Inspecting Smoking Addiction of Youth in Türkiye: A Latent Class Analysis Using the Turkish Version of the Cigarette Dependence Scale**
Journal of International Healthcare Manangement. 2023 December:1-10. <https://doi.org/10.1080/20479700.2023.2288974>
Ünal Çoker, E. & Köse, A.M.
- 2023 ● **Evaluation of Treatment Responses Among Subgroups of Breast Cancer Patients Receiving Neoadjuvant Chemotherapy**
Journal of Cancer Research and Therapeutics. 19 (Suppl 2):821-826.
Dagistanlı, S., Sonmez, S., Bulut, N., Köse, A.M.
- 2023 ● **Psychometric Evaluation of The Social Support Questionnaire for Transactions in Turkish Gender-Based Violence Sample**
Archives of Psychiatric Nursing. 45:184-191. <https://doi.org/10.1016/j.apnu.2023.06.005>
Inan-Budak, M., Zonp, Z., Köse, A.M., Saint-Arnault, D.M.
- 2022 ● **Important Factors Affecting the Transmission Rate of COVID-19 in G20 and EU**
Sigma Journal of Engineering and Natural Sciences. 40(1):209-219.
Kocadağı, O., Köse, A.M., Gökmen, N., Özer, E., Yaman Kocadağı, A., Bostancı, E.
- 2021 ● **ANOM Test as an Alternative Approach to Group Comparisons**
Süleyman Demirel University Journal of Natural and Applied Sciences. 25(1):89-98. (Turkish)
Özaltındış, T., Köse, A.M., Özdamar, E.Ö.
- 2020 ● **Serial Mediation Model of Leader Member Interaction in Work Values And Job Satisfaction**
Istanbul Commerce University Journal of Social Science. 19(37):1-26. (Turkish)
Yay, M., Fındıklı, A. M. & Köse, A.M.

2018

● **Relationship of Social Orientation and Empathy with Perception of Syrian Refugees as Threat: Structural Equation Modelling with The Examples of Çankaya and Altındağ**

Journal of Social Studies Politics.18(40/2):283-314.(Turkish)

Köse, A.M., Sunata, U , Deniz, E .



ORAL PRESENTATION

April
2024

● **Investigation of the Factors Quiet Quitting and Quiet Firing With The Structural Equation Modelling: A Pilot Research On Health Professional's**

Oral Presentation for 10th International Conference on Advances in Statistics (ICAS)

📍 Budapest, Hungary

Akbaş, M., Köse, A.M.

February
2024

● **CRISPR: Prediction of Off-Target Levels by Using Latent Class Analysis and Bayesian Latent Class Analysis**

Poster for HARMONY Society for Bayesian Methods in Epidemiology and Diagnostics

📍 Brussels, Belgium

Köse, A.M.

July 2022

● **Off-Target Prediction in CRISPR-Cas9 Gene Editing Using Machine Learning**

Oral Presentation for Classification and Data Science in the Digital Age 17th conference of the International Federation of Classification Societies

📍 Porto, Portugal

Köse, A.M., Kocadagli, O.

September
2019

● **Serial Mediation Model of Leader Member Interaction in Work Values And Job Satisfaction**

Oral Presentation for y-BIS 2019 Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business Analytics

📍 Istanbul, Türkiye

Yay, M., Fındıklı, A.M., Köse, A.M.

August
2019

● **Inspecting Smoking Addiction of Youth in Turkey through Latent Class Analysis**

Oral Presentation for 16th Conference of the International Federation of Classification Societies

📍 Thessaloniki, Greece

Köse, A.M., Çoker, E.

- December 2018 ● **Structural Equation Modelling About The Perception of Citizens Living in Çankaya District of Ankara Province towards the Syrian Immigrants**
Oral Presentation for 10. International Statistics Congress
📍 Ankara, Türkiye
Köse, A.M., Çoker, E
- December 2018 ● **Structural Equation Modelling About The Perception of Citizens Living in Çankaya District of Ankara Province towards the Syrian Immigrants**
Oral Presentation for 10. International Statistics Congress
📍 Ankara, Türkiye
Köse, A.M., Howe, E.D.
- December 2018 ● **Structural Equation Modelling About The Perception of Citizens Living in Çankaya District of Ankara Province towards the Syrian Immigrants**
Oral Presentation for 10. International Statistics Congress
📍 Ankara, Türkiye
Köse, A.M., Howe, E.D.
- October 2017 ● **ANOM Test as an Alternative Approach to Group Comparisons**
Oral Presentation for 18. International Econometrics, Operation Research and Statistics Symposium.
📍 Trabzon, Türkiye
Köse A.M., Afacan, C., Özaltındış, T., Özdamar, E.Ö.
- October 2017 ● **Inspecting of Undergraduate Students of MSFAU relationships with Carrier Plan and Future Orientation towards Statistics Attitude**
Oral Presentation for 18. International Econometrics, Operation Research and Statistics Symposium.
📍 Trabzon, Türkiye
Afacan, C., Köse A.M., Özaltındış, T., Özdamar, E.Ö.
- June 2016 ● **Implementation of data mining technics considering number of refugees**
Oral Presentation for 17. International Econometrics, Operation Research and Statistics Symposium.
📍 Sivas, Türkiye
Köse, A.M. , Çakmak Pehlivanlı, A.



AWARDS

- August 2019 ● **16th Conference of the International Federation of Classification Societies- Student/ Postdoctoral Fellow Paper Competition and Travel Award.**
16th Conference of the International Federation of Classification Societies
📍 Thessaloniki, Greece

20.01.2023-
01.06.2023

Erasmus Exchange Student Grants

Rome Sapienza University-Department of Statistics (Ph.D. Program)
📍 Rome, Italy



PROJECT

27.03.2022-
29.05.2022

HARMONY-Cost Action- CA18208 – STSM project

Depression prevalence estimation using an imperfect diagnostic depression screening tool in NHANES (The National Health and Nutrition Examination Survey). Supervisor: Dr. Felix Fischer
📍 Charite University,Berlin, Germany



INSTRUCTOR

12.06.2021-
13.06.2021

Turkish Ophthalmological Association

SPSS Training School-Instructor
📍 Istanbul, Türkiye

WORKSHOP

12.07.2023-
14.07.2023

HARMONY Advances Training School on Bayesian Methods “Going Beyond Test Evaluation and Prevalence Estimation”

Instructors: Dr. Matthew Denwood, Eleftherios Meletis, Dr. Giles Innocent.
📍 VISAVET Health Surveillance Center, Universidad Complutense, Madrid, Spain

20.09.2021-
22.09.2021

HARMONY Training Workshop on Bayesian Latent Class models for diagnostic test evaluation and true prevalence estimation

Instructors: Dr. Polychronis Kostoulas, Dr. Constantinos Tsiamis, Dr. Konstantinos Pateras, Eleftherios Meletis
📍 Thessaly University, Larissa, Greece

28.06.2022-
01.07.2021

HARMONY Training Workshop on Application of Bayesian latent class models to multi- test, multi-population datasets with a focus on medical and veterinary applications

Instructor: Dr. Matt Denwood (Online)
📍 University of Copenhagen, Copenhagen, Denmark

26.08.2019

Symbolic Data Analysis: Parametric Multivariate Analysis of Interval Data

Instructors: Dr.Paula Brito and Dr.Pedro Duarte Silva
📍 University of Macedonia, Thessaloniki, Greece



INTERSHIPS

11.02.2013-
15.02.2013

intern

Capital Markets Board of Turkey
📍 Ankara, Türkiye

11.02.2013-
15.02.2013

intern

Undersecretary of Treasury of Republic of Turkey
📍 Ankara, Türkiye

28.12.2012-
27.01.2013

intern

Optimar Research Company
📍 Ankara, Türkiye

17.09.2012-
22.09.2012

intern

Department of Accounting General Directorate ,Central Bank of The
Republic of Turkey

📍 Ankara, Türkiye

13.06.2011-
01.07.2011

intern

HalkBank

📍 Ankara, Türkiye