

Enes Dilber

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EDUCATION

University of Michigan, Ann Arbor, MI

- Ph. D. Candidate in Statistics Aug 2018 – May 2023
- Relevant Coursework:
 - Statistics Department: Statistical Inference, Probability, Data Science, Statistical Genetics, Data Analysis in Python, Bayesian Statistics
 - Mathematics Department: Advanced Calculus in Statistics, Linear Algebra
 - Computer Engineering Department: Deep Learning, Data Mining, Algorithms And Data Structures, Data Management And File Structures, Computer Vision

Middle East Technical University, Ankara, Turkey

- Bachelor of Science Sep 2014 – Jun 2018
- **Major:** Statistics, Cumulative GPA: 3.86/4.00 (Class Rank: 1)
- **Minor:** Computer Engineering/Information Systems

RESEARCH

Research Interests: Population Genetics, Machine Learning, Deep Learning

- Ph.D. Research Current
 - Project: A Non-uniform Splitting Model For Coalescent Trees
 - Supervisor: Prof. Jonathan Terhorst
 - Focus: Population Genetics, Natural Selection, Coalescent Process

Here is the list of my undergraduate research projects:

- Research Project at KODEX (A startup company in Turkey) Summer 2018
 - Project: Predicting judicial decisions of the divorce court using state of art Machine Learning techniques
 - Supervisor: Dr. Melih Agraz
 - Focus: Natural Language Processing, Text Mining, Machine Learning
- Senior Year project for Decision Theory And Bayesian Analysis Course Fall 2017-2018
 - Project: Overview of Dirichlet Process
 - Supervisor: Assoc. Prof. Vilda Purutcuoglu
 - Focus: Dirichlet Process, Gaussian Mixture Models, Gibbs Sampling
- Senior Year project for Deep Learning Course Fall 2017-2018
 - Project: A Symmetric Batch-Size Algorithm during Training and A Brief Introduction to Design of Experiment for Deep Learning Research
 - Supervisor: Asst. Prof. Emre Akbas
 - Focus: Adaptive Batch Size, Learning Rate Scheduler, Batch Size Scheduler, Factorial Experiment Design
- Undergraduate Research Intern at IMAGELAB Summer 2017
 - Project: Increasing Test Accuracy with Adaptive Batch-Size
 - Supervisor: Asst. Prof. Emre Akbas
 - Focus: Statistical Generalization Theory, Stochastic Gradient Descent, Early-stopping, Over-fitting problem
- Junior Year project for Linear Models II Course Spring 2016-2017
 - Project: A Model Comparison Approach to Pokémon Data in Kaggle
 - Supervisor: Assoc. Prof. Ozlem Ilk Dag
 - Focus: Cross-Validation, Ordinal Logistic Regression, Linear Regression, Poisson Regression
- Junior Year project for Statistical Data Analysis Course Spring 2016-2017
 - Project: Exploring Judicial Decision Patterns of Senators on Impeachment of Bill Clinton
 - Supervisor: Assoc. Prof. Ceylan Talu Yozgatligil
 - Focus: Multinomial Logistic Regression, Decision Tree, High Dimensional Data Visualization Techniques

TEACHING EXPERIENCE	▪ Lab teacher and grader for Introduction to Data Science	Fall 2020
	▪ Lab teacher and grader for Introduction to Statistical Computing	Fall 2019, Winter 2020
	▪ Grader for Introduction to Theoretical Statistics	Winter 2019
	▪ Lab teacher and grader for Introduction to Statistics and Data Analysis	Fall 2018
COMPUTER SKILLS	▪ Proficient at python and several packages such as Numpy, JAX, msprime, tskit, scikit-learn, pandas, Keras, Tensorflow, PyTorch	
	▪ Proficient at R and several packages such as tidyverse	
	▪ Genetics research tools such as SLiM3 and Beast2	
	▪ Have experience in C++	
	▪ Have experience in terminal commands on linux and slurm	
AWARDS	▪ Best Poster Award in MSSISS	2021
	▪ Promotion to direct Doctor of Philosophy track	2018
	▪ Dean's High Honor List, For attaining a semester GPA of at least 3.5.	Fall 2014 - Spring 2018
	▪ Ranked 1 in Statistics Department	Fall 2014 - Spring 2018
LANGUAGES	▪ Turkish: Native language	
	▪ English: Fluent	

[CV compiled on 2021-03-05]