

+90 (539) 747-7377  
Istanbul, Turkey  
btemel@sabanciuniv.edu

# Bariş Temel

## Data Scientist

Portfolio: [btemel.github.io](https://github.com/btemel)  
[github.com/btemel](https://github.com/btemel)  
[linkedin.com/in/baris-temel](https://linkedin.com/in/baris-temel)

### SKILLS

Languages	Python, SQL, R, Matlab, C++, HTML, CSS, Javascript, CPLEX Studio
Frameworks	Pytorch, Tensorflow, SparkSQL & Spark MLlib, Numpy, Scikit, Pandas, Matplotlib
Tools	Redshift, Oracle SQL, Tableau Software, Git, Docker, Jira, Confluence, MS Office
Soft Skills	Leadership, Strong Communication, Resilience, Event Management, Writing, Public Speaking, Time Management
Communication	English(fluent speaker), Turkish (Native)

### WORK EXPERIENCE

#### REEF / Data Scientist

Aug 21' — May 22'

Full Remote

Miami, US

- Responsible for designing and implementing BI solutions mainly to Kitchen verticals for Strategy and Operational KPIs
- Architect and build Tableau Dashboards to achieve stakeholder needs
- Created data structures using REST APIs / SQL / Python
- Developed Supply Chain Dashboards for Pareto Analysis & Inventory Management System
- Developed Market Analysis creating automated scrapers in Python using state of art libraries such as BeautifulSoup, Selenium
- Developed the back end for various Kitchens Dashboards using Redshift

#### Sabancı University /Teaching Assistant

Sep 20' — Sep 22'

On-Site

Tuzla, Turkey

- Working as an assistant for the introductory Python programming course IF 100 - Computational Approaches to Problem Solving.

#### QNB Finansbank / Data Analyst

Mar 19' — Jun 20'

On-Site

Sisli, Turkey

- Management trainee (3 months): Financial and leadership skills, Python, SQL and Excel training, project about data analysis (outlier detection modeling).
- Koc University MT-MBA Education Program (3 months): Learning about macro economics, data analytics and visualizations in real world problems. The lectures give an insight about MBA program.
- Analyzing raw data about financial concepts, creating algorithms and models in both Python and R gathering and exporting data using SQL, automating reports and creating a visual platform in Visual Studio using C# and SQL, experiencing on creating different dashboards and making financial data analysis

#### CapitalBridge Partners / Data Analyst

Jun 18' — Sep 18'

On-Site

Beyoglu, Turkey

- Experienced and driven financial services with expertise in accounting, financial management, analysis and planning. Customer and investor correspondence, Teaser, Info Memo, financial modeling, Process Letter, NDA, relations with investor, Q&A, Due-Diligence coordination, interpretation of partnership contracts, share purchase interpretation of contracts, interpretation of loan contracts.

#### Brisa Bridgestone / Sales & Marketing Intern

Jul 17' — Sep 17'

On-Site

Uskudar, Turkey

- Applying many different types of forecasting methods (such as Winter, Holt's, moving average weighted moving average, simple exponential smoothing via using company's 3-years data) to predict demand, and then compare my forecasting findings to the actual demands results to find a better approach for the company.

### EDUCATION

#### Ms. in Data Science, Sabancı University

Sep 20' — Sep 22'

- Courses: Machine Learning - Deep Learning - Big Data Processing - Deep NLP - Computer Graphics - Methods of Statistical Inference - Engineering Optimization - Advance Statistics with R
- GPA: 3.70/4.00
- 100% Scholarship

#### Bachelor of Science in Industrial Engineering & Minor in Finance, Sabancı University

Jun 14' — 19'

- GPA: 3.01/4.00
- Courses: Statistical Modelling - Deterministic&Stochastic Models in Operational Research - Financial Engineering - Decision Analysis - Simulation - Differential Equations - Supply Chain Practice - Quality Planning&Control - Decision Economics - Microeconomics
- 50% Scholarship

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## PROJECTS

- **Follower Anomalies in Social Media:** This is my ongoing thesis project. The motivation is to create an open source algorithm that detects anomalies of followers in any social media. Twitter is my base target social media. I am analyzing social bot movements. (Sabancı University 22')
- **Statistical Inference Tools:** Building a new Framework for ANOVA & Multiple Linear Regression: Creating necessary packages that does not exist in famous data analysis libraries in python. (Sabancı University 22')
- **Sphere Guided 3D Shape Generation and Manipulation:** Implementing SP-GAN to human dataset. Creating 3D meshes from point clouds. (Sabancı University 21')
- **Face image generation with variational autoencoder:** This project aims to create a face generation model using multiple VAE's for CelebA, FER13 and Emotic dataset. With this project, we have investigated the VAE architecture over images and 3D meshes, where we have practiced PyTorch and PyTorch geometric to generate synthetic images and meshes with different network architectures and datasets. (Sabancı University 20')
- **Cryptocurrency Price Trend Prediction Learning using LSTM Networks:** This project is for Deep Learning graduate course. The purpose is to create an LSTM network which will try to predict the trend movements. The aim was learning how to build a LSTM network with a real time streaming data.
- **Deep Reinforcement Learning Project in Simulating Natural Selection Environment:** It is my Machine Learning graduate course project that simulates Natural Selection environment that includes prey & predator agents that learn using DDPG algorithm in Reinforcement Learning.(Sabancı University 20')
- **Investigating Electric Vehicle (EV) Costs and Benefits In Istanbul :** It is my graduation project that aims to assess the costs and benefits of vehicle electrification in Istanbul. We plan to approach the problem from a Multicriteria Decision Analysis perspective with conducting literature survey, study global examples, interviews with relevant parties, data collection and analysis. (Sabancı University 17')
- **Solidworks Project:** Project which involves Solidworks skills to design the bicycle parts and assembly those parts together to create a fully designed bicycle.
- **Civic Involvement Project:** Project with kids in Muallimkoy school. Working on self-confidence, how to behave in public and trying to give the kids individualistic approach for their life in the future. (Sabancı University, 15')
- **Breitenberg's Cars Project:** Non remote controlled car which response to move according to direction of light.(Sabancı University, May 15')
- **Magnetic Wind Turbine Project:** Conversion of magnetic energy to electric energy design (FMV Erenköy Fen Lisesi, September 12')

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## ONLINE COURSES

- **Google Machine Learning Crash Course :** It is an online program about fast-paced, practical introduction to machine learning. It gives fundamental machine learning concepts and get real world experience with Google AI to explore the full library of training resources. (May 20')
- **Machine Learning A-Z: Hands-On Python & R In Data Science :** Learning complex theory, algorithms and coding libraries in a simple way.
- **Deep Learning A-Z: Hands-On Artificial Neural Networks :** Intuition behind Artificial Neural Networks and its applications.