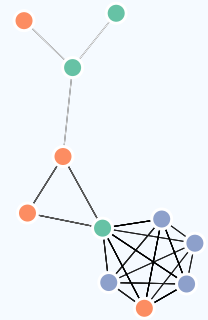# SELIN KUBILAY

With a background in aquatic sciences, I transitioned into research data management, following my passion for FAIR research software development and open science advocacy. I thrive in interdisciplinary environments and particularly enjoy developing R packages and interactive dashboards that enhance data accessibility and usability. In my free time, I enjoy hiking, road biking, bouldering, and hosting board game nights.

💻 EMPLOYMENT HISTORY

Research Data Manager

Current | 2023

Delft

📍 Delft University of Technology

- Co-developped research data management solutions for research projects
- Designed and implemented relational and non relational database solutions
- Helped researchers establish good software development practices by participating in the trainings given by the library
- Organized R cafe[1] meetings to conribute to an R community building in TU Delft
- Participated in several workshops for adopting better research software practices

Guest Researcher

2022 | 2020

Innsbruck

📍 University of Innsbruck

- Built and conducted a hyporheic zone experiment as part of doctoral research to assess the influence of carbon regime disturbances on microbial carbon utilization.
- Used R with STAN to analyze and interpret the complex experimental design with a Bayesian model.
- Helped build a new lab from scratch for the new research group FLEE[2]

Researcher

2022 | 2018

Berlin

📍 Leibniz Institute of Fresh- water Ecology and Inland Fisheries

- Researched the impacts of dam-related flow regime disruptions on riverine biogeochemical interactions through spatio-temporal analysis of dissolved organic carbon data
- Joined ground water sampling campaings in Berlin for Trace Organic Chemical Research
- Joined SopaboxScience events as a presented for science communication
- Joined several conferences with posters or presentations for dissemination of research results

Research Intern

2017

Cophenagen

📍 University of Copenhagen

- Conducted data analysis and visualisations in R for a contaminated soil remediation project
- Funded the stay with an Excellency Scholarship from the Scientific and Technological Research Council of Turkey

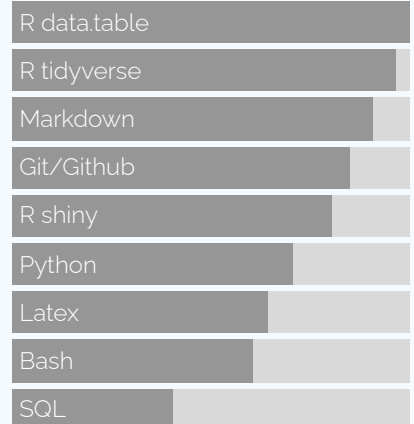View this CV online with links at *nickstrayer.me/datadrivencv/*

CONTACT

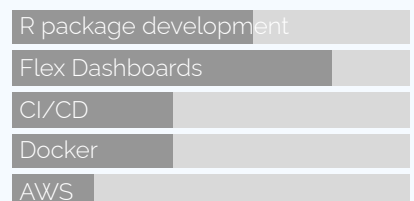- ✉ kubilay.selin@gmail.com
- ⓞ Selkubi
- in Selin Kubilay

LANGUAGE SKILLS

- R data.table
- R tidyverse
- Markdown
- Git/Github
- R shiny
- Python
- Latex
- Bash
- SQL

OTHER SKILLS

- R package development
- Flex Dashboards
- CI/CD
- Docker
- AWS

🎓 EDUCATION

Current | 2020

PhD., Geography

Berlin　　　　　　　　　　　　　📍 Humboldt University in Berlin

- Disertation: Microbial metabolism of terrestrial resources in river corridors under variable flow regimes: match-mismatch scenarios between resources and consumers
- Independently analysed large biogeochemical data using multivariate statistical methods in R
- Joined week long sampling campaigns for surface water from alpine rivers

2018 | 2016

MSc.,Environmental Sciences

Istanbul　　　　　　　　　　　　📍 Bogazici University

- Thesis: Modeling evolution and dissemination of resistance under temporally changing antimicrobial concentration[3]
- Used R for the first time to generate plots

2016 | 2012

BSc., Chemistry

Istanbul　　　　　　　　　　　　📍 Bogazici University

- Finishing Project: Archaeometry: Looked for organic lipid residues in ancient pottery from 6000 BCE

2011 | 2006

High School

Istanbul　　　　　　　　　　　　📍 Saint Joseph French High School

👨‍🏫 RELEVANT TEACHING EXPERIENCE

2025 | 2023

Software Carpentry workshop[4]

Delft　　　　　　　　　　　　　📍 TU Delft

- Assisted The Unix shell and Introduction to Version Control with Git sessions

2025 | 2023

Geospatial Data Carpentry for Urbanism[5])

Delft　　　　　　　　　　　　　📍 TU Delft

- Assisted the workshop
- Colaborated in the development and update of the materials

2024 | 2023

CodeRefinery[6]

Delft　　　　　　　　　　　　　📍 TU Delft

- Assisted the locally held version of the workshop

2024

Data Analysis and Visualization with R for Social Scientists[7]

Rotterdam　　　　　　　　　　　📍 Erasmus Uni

- Assited the R related sessions of the workshop

Relevant Trainings

2025

Carpentries Instructor Training *(The Carpentries)*

2024

Data Modeling and Relational Data Architecture *(EssentialSQL)*
Good Practices in Research Software Development *(Netherlands eScience Center)*

2023

Reproducible Research with R Packages *(Netherlands eScience Center)*

2021

Model-Data Integration for Natural Sciences: Non-parametric modeling with artificial neural networks and applied deep learning with R and Python *(University of Innsbruck)*

2019

Introductory Bayesian Statistics for Ecologists *(Leibniz IGB-Berlin)*
Multivariate Statistical Methods in R for Ecology *(Leibniz IGB-Berlin)*

*Made with the R package **pagedown**.*

The source code is available on github.com/nstrayer/cv.

Last updated on 2025-02-14.