Seyma Kalay

Curriculum Vitae

Via Carducci, Bergamo
Lombardia-Italy 24128
📞 *+39 338 962 8589*
✉ *seymakalay@hotmail.com*
🌐 *seymakalay.github.io/unibg*
in *linkedin.com/in/seymakalay*
 github.com/seymakalay
<u>Residency:</u> *Work permit*

Education

2017 - 2022	**Doctor of Philosophy in Applied Economics and Management**
	Department of Economics and Management, University of Bergamo (Italy)
2013 - 2016	**Master of Science in Finance**
	Department of Economics and Statistics, University of Siena (Italy)
2006 - 2010	**Bachelor Degree in Physics**
	Department of Science, University of Istanbul (Turkey)

Experiences

2023 - Curr. **Power Bi Developer** - Associate Advanced Analytics Analyst,

Mozarc Medical, Milan (Italy),

- Assist in collecting, cleaning, and analyzing large datasets to identify trends, patterns, and insights.
- Develop visually appealing dashboards and reports using Power BI, Power Pivot, and DAX.
- Work closely with cross-functional teams to understand their analytical needs and provide insights.
- Develop data-driven strategies and recommendations to support business growth and efficiency.
- Ensure data quality and integrity by conducting data validation and cleansing.
- Help maintain data repositories.
- Implement data governance practices to ensure accuracy, consistency, and security.
- Collaborate effectively with team members across various departments.
- Communicate analytical findings, methodologies, and recommendations to stakeholders.

2023 **Assistant** - Market Research,

MPS - Evolving Marketing Research, Bergamo (Italy),

- Prepare market research survey.
- Analyze and report market research outcomes, using Quantum Software.

2017 - 2022 **Researcher** - Statistics,

Department of Economics and Management, University of Bergamo (Italy),

- Manipulate and analyze large datasets to identify trends, patterns, and insights.
- Develop and implement machine learning models and algorithms, using R and Python.
- Adopt new tools, technologies, and methodologies to enhance the model outcomes.
- Create interactive user faces (such as R Shiny, HTML) to report the findings.

2016 **Internship** - Portfolio,

Ziraat Portfolio, Istanbul (Turkey),

- Observe equity market.
- Be familiar with behavioral finance.
- Create a statistical model to maximize the portfolio's return, using VBA.
- Prove the model efficiency by tracking the data.

2015 **Internship** - Portfolio,

Invest-AZ, Istanbul (Turkey),

○ Analyze listed companies by looking at their financial statements.

○ Create reports to drive data-driven decision making for investors.

2012 **Internship** - Accounted,

Varkan Group, Istanbul (Turkey),

○ Record accounting cycle.

○ Keep tracking consistent balances on both suppliers and purchasers on the company's system.

○ Track balances on both suppliers and purchasers on the company's system.

Skills and Competencies

Languages: ○ Native in Turkish ○ Fluent in English ○ Advance in Italian ○ Beginner in Spanish

Computer: _Advance:_ ○ DAX ○ Power BI/Query/Pivot ○ R ○ R Shiny ○ Latex ○ Microsoft Office

Intermediate: ○ HTML ○ Python ○ Tableau ○ SQL

Beginner: ○ Azure ○ VBA ○ Java ○ Json ○ Snowflake

Soft Skills: ○ Time Management ○ Problem Solving ○ Reporting Skills ○ Multitasking ○ Management Engineering

Projects

R Shiny UI ○ MapApp: Conducting an empirical study using both supervised and unsupervised machine learning algorithms.

○ Biblio: Reproducible bibliometric literature review.

○ Tp3: Conducting unsupervised machine learning algorithms (Tp3: runs from console).

Viz ○ Tableau: Conducting data visualization using Tableau.

○ Power BI: Projects that I have been working on.

HTML ○ VizRmd: Combining Tableau, R Shiny, and HTML.

Software Packages ○ Pomodoro: Comparison of predictive power. This package is intended to make modeling and comparing the predictive powers easier based on the data-splits and all data set.

○ Pepe: Is intended to make descriptive statistics easier.

GitHub ○ Repositories: Current Github repositories.

Awards and Honors

2017–2022 UniBG PhD Fund,

2013–2016 DSU - Toscana,

2007–2010 Turkish Gas Foundation Scholarship,

2007–2010 Turkish Women Community Scholarship,

2006–2010 Yapi Kredi Bank Scholarship.

References

Reference letters will be provided upon request.