

Mojgan Samandar A.E.

Data Analytics

CONTACT

✉ mojgan.samandar@outlook.com

☎ (437) 428-2171

📍 Toronto, ON

🌐 [Website](#)
[Kaggle](#)

EDUCATION

M.Sc.

Big Data Analytics (GPA: 91.33)

[Trent University](#)

📅 Jan 2022- May 2024

📍 Peterborough, Canada

Ph.D.

Economics

[Scuola Superiore Sant'Anna](#)

📅 Oct 2011- May 2015

📍 Pisa, Italy

M.Sc.

Industrial Economics (GPA: 95)

[Gothenburg University](#)

📅 Oct 2008-May 2011

📍 Gothenburg, Sweden

SKILLS:

- Python (Numpy, Pandas, Scikit-learn, TensorFlow)
- R/R-studio, R shiny
- SQL (MySQL, Postgres)
- Power BI, Tableau (Dashboard Development)
- Git, GitHub
- Ducker
- Microsoft Suit (Word, Excel, PowerPoint)
- Apache Spark
- Econometrics, Statistics, Machine Learning, Web Scraping, NLP
- Supervised Learning: Linear and logistic regression, decision trees, support vector machines (SVM)
- Unsupervised Learning: K-means clustering, PCA, EFA, CFA, MCA

CAREER OBJECTIVE

Analytical and results-driven professional with a strong background in data analysis, process improvement, and HR systems, seeking to leverage my expertise in data-driven decision-making and process optimization as an Analyst, Data & HRIS. Adept at collaborating across teams, ensuring data integrity, and driving continuous improvement initiatives.

WORK EXPERIENCE

Senior Researcher,

[National Research Institute for Science Policy \(NRISP\)](#)

📅 Nov 2018 – Dec 2022

📍 Tehran, Iran

- Analyzed data to uncover trends and improve decision-making.
- Created dashboards to ensure data accuracy and visualization.
- Streamlined research processes and enhanced data collection.

Researcher,

[Iran's National Elites Foundation & Al.Zahra University](#)

📅 Dec 2017-Dec 2018

📍 Tehran, Iran

- Mapped and documented research processes for compliance.
- Supported new data management systems, including testing and migration.

Market Research Analyst (Economic Expert),

[Jofreh United Industries Company](#)

📅 Dec 2015– Dec 2016

📍 Tehran, Iran

- Conducted market research and forecasted product demand.
- Evaluated pricing and competition using regression analysis.
- Analyzed customer data to enhance marketing.

SELECTED PROJECTS

1. Labour Market Landscape for Economics Graduates in Canada

Conducted a comprehensive analysis of the labor market for economics graduates in Canada, leading to a publication in *Canadian Public Policy* (Forthcoming, March 2024). [link](#)

Skills: Web scraping, Google notebook, Tokenization, Stop Word Removal, Lemmatization, Unigram, Bigram, and Trigram Analysis, Keyword Extraction, OpenAI GPT-3.5-turbo.

2. Grassroots Innovations and Innovators: The Case of Iran

Investigated grassroots innovations in Iran, resulting in a published study in the *Journal of Innovation and Development* (2023). [link](#)

Skills: Multiple correspondence analysis (MCA), Descriptive analysis

3. My Scientometrics App

An R shiny app for Bibliometrics and Scientometrics analysis. [link](#)

4. Regional Innovative Behavior: Evidence from Iran

Explored regional innovative behavior in Iran, culminating in a publication in *Technological Forecasting & Social Change Journal* (2016). [link](#)

Skills: Spatial Analysis, Principal Component Analysis, Regression Analysis