

Arsenii Afinogenov

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Based in Mexico City. Citizen of Mexico

Professional Summary

Transport economist and mobility analyst with 10+ years of experience improving urban transport systems across public and private sectors. Proven track record in optimizing transit networks, building financial models, and analyzing fare systems. Proficient in Python, QGIS, Excel, and spatial data tools for mobility analysis and research.

Work Experience

OTS Lab LLC

February 2022 – Present

Transport Engineer

- Designed multimodal financial transport models for cities including Yakutsk and Nizhny Novgorod
- Analyzed fare systems, contracts, and city budgets to support equitable transit funding
- Developed multi-year financial projections and service scenarios
- Proposed targeted outreach campaigns to improve service awareness
- Supported route optimization and timetable redesigns with spatial data analysis

St. Petersburg City Legislature

October 2016 – February 2022

Policy & Community Analyst

- Wrote 1,000+ legislative proposals and constituent responses
- Focused on urban mobility, accessibility, and transport legislation
- Led social campaigns and conducted data-driven analysis of city infrastructure

Ulmart CJSC

November 2013 – October 2016

Lead Analyst

- Created forecasting models and performance dashboards across departments
- Conducted data analysis to support logistics and inventory efficiency

Zhivoy Ofis Group

July 2012 – October 2013

Head of Product Line

- Managed procurement, pricing strategy, and product analytics for key lines

Maksidom LLC

March 2012 – July 2012

Marketing Analyst Assistant

- Monitored pricing, helped plan marketing campaigns, managed merchandising in different stores, and performed operational activity analysis

Key Skills

- Urban mobility and transit finances
- Fare and service design optimization
- Policy analysis and stakeholder engagement
- Data analysis: Excel, QGIS, SAP BI, Python
- Open data use for mobility insights
- Languages: English (fluent), Spanish (B1–B2), Russian (native)

Education

B.A. in Corporate Economics & Management
St.-Petersburg State University, Faculty of Economics

Sep 2007 – Jun 2012

Certifications and Projects

- PennX – Urban Transit for Livable Cities (TRANSIT01x)
- Public Mobility Projects (City Projects, St. Petersburg):
 - Optimized ticketing systems for public transport
 - Designed night bus and tram network improvements using open data
- Currently expanding Python skills (data wrangling, CSV, filtering)

Selected Public Data Analysis Projects

How balanced are bike stations in Mexico City?

Analyzed public bike-share usage to identify imbalances between arrivals and departures at each station. The analysis allows to propose redistribution strategies to reduce operational costs and improve system efficiency.

Tools: Public GTFS data, Python (Pandas, Folium), interactive map

<https://arseniimx.github.io/Ecobici-balance-2025/>

Speed, Frequency and Time Travel Index Analysis of the Mexico City metrobus Network

Mapped and analyzed average bus speeds, frequencies and time travel indices across the city to identify bottlenecks and recommend priority lanes or other interventions.

Tools: Python (Pandas, Folium))

<https://arseniimx.github.io/CDMX-metrobus-speeds/>

Frequency Analysis of the St.-Petersburg transit Network

Mapped and analyzed cumulative frequencies and across the city combining up to tens of different routes per each street segment. Gives an indication of cumulative intervals of the system.

Tools: Python (Pandas, Folium))

<https://arseniimx.github.io/IntervalsSPb/>