

Alex Mitrani

Associate

Alex started working for Steer Davies Gleave in London in 1997, and have been based in Santiago, Chile since 2004. He is experienced in demand forecasting, quantitative market research, statistical analysis, and programming. He help clients to improve their understanding of how individuals make choices, how these individual choices add up to the demand for transport projects and services, and how this demand might change in relevant future scenarios.

Relevant skills

Demand models: Alex has developed several major demand forecasting models, including fare strategy models for Metrolinx and TransLink, the original version of the UK Rail Industry Forecasting Framework (RIFF), and the Public Transport Trends model originally developed for GMPTE. Alex is experienced with a range of demand forecasting techniques including spreadsheet modelling, risk analysis, Monte Carlo simulation and system dynamics modelling.

Market Research: Alex is particularly experienced in the application of Stated Preference techniques, but also has more general market research skills. His experience includes designing Stated Preference choice experiments, testing these designs using simulation techniques, planning and monitoring the surveys needed to collect the data, analysing the choice data and interpreting the results. He has undertaken market research using a variety of data collection methods including traditional paper-based questionnaires, computer-aided personal interviewing, telephone and postal surveys, and more recently internet surveys.

Research & Development: Alex has significant programming experience, including statistical programming with R and Stata, as well as Visual Basic for Excel and Access. Alex has applied his programming skills to build ad hoc demand forecasting models and also to undertake corporate research and development projects.

Statistical analysis: Statistical analysis is not just number-crunching. It is crucial to interpret the results correctly and to present these results using language that can be clearly understood. Alex always strives to do just this. He has a solid understanding of discrete choice analysis, and is also experienced with other types of statistical and econometric analysis, techniques that he has applied to revenue data and other types of operational data.

Aviation: Alex has worked on several demand forecasting projects for airports in the United Kingdom, Canada and Colombia. This work has included spreadsheet modelling, econometric analysis and choice modelling using both revealed preference and stated preference data. He was involved in two air-side passenger surveys at Pearson International Airport, Toronto.

Qualifications

MSc(Eng) Transport Planning & Engineering, Institute for Transport Studies, University of Leeds, 1997

BEng Civil & Environmental Engineering, University of Edinburgh, 1996

Professional Program in Individual Choice Behaviour, MIT, 2002

Publications

A full list of my publications can be found here:

<https://orcid.org/0000-0003-1091-7413>

Years of experience

25

Languages

English - Native

Spanish – Fluent (DELE Diploma Level C2)

Portuguese - Basic

Projects summary

	Project	Client	Year/Location	Role
Demand models	Review of Santiago-Valparaíso Rail Demand Forecasts	Confidential	2022, Chile	Project Manager
	SP-RP Santiago-Valparaíso Rail Link	Egis	2021, Chile	Project Manager
	MTC Fare Coordination & Integration Study	Metropolitan Transportation Commission	2020, San Francisco Bay Area, USA	Senior Modeller
	California HSR Ridership Model Development	DB Engineering & Consulting USA Inc.	2019, California, USA	Senior Analyst
	Fares Modelling	TransLink	2016, Vancouver, Canada	Senior Modeller
	Greater Toronto and Hamilton Area Fare Strategy Model Development	Metrolinx	2015, Toronto, Canada	Senior Analyst
	Demand Forecasting Framework	Association of Train Operating Companies	1999, United Kingdom	Senior Analyst
Market Research	Advance Fares Impact	Rail Delivery Group	2022, United Kingdom	Senior Analyst
	Distance-based congestion charging in Bogotá	Secretaria Distrital de Movilidad	2017, Bogotá, Colombia	Senior Analyst
	Javier Prado Toll Road	Concesionaria Javier Prado	2014, Lima, Peru	Senior Analyst
	Impacts of Metro Implementation in Panama City	Transporte Másivo de Panama SA (MiBus)	2013, Panama City	Senior Analyst
Research & Development	Electric vehicles in Potential Economic Activities	United Nations Development Programme	2022, Uruguay	Senior Modeller
	Active Mobility and Road Safety Social Evaluation Methodology	The World Bank	2021, Buenos Aires, Argentina	Project Director
	Social Cost-Benefit Analysis for Nueva Alameda Providencia Corridor	Regional Government of Santiago	2016, Chile	Senior Analyst
Aviation	Transport-Related Infrastructure Investment Needs for Chile	Chilean Chamber of Construction	2021, Chile	Senior Analyst
	Monitoring Trustee	Confidential	2016, Chile	Project Manager
	Santiago Airport, Chile	Confidential	2014, Chile	Senior Analyst