



ISABELA KOPPERSCHMIDT DE OLIVEIRA

Transport and Urban Planning Researcher

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http://buscatextual.cnpq.br/buscatextual/visualizacv.do?jsessionid=3E4F6F475CE198D919F602F562016A43.buscatextual_0

120,Rua Alga Vermelha.
Belo Horizonte - disponível para mudança

EDUCATION

Bachelor of Civil Engineering
Universidade Federal de Minas Gerais
2012 - 2017

Master's in Geotechnics and Transportation

Universidade Federal de Minas Gerais
2019 - 2021

Urban Planning and Social Space Production Specialist

Pontifícia Universidade de Minas Gerais

2020 - 2021

Specialist in Logistics Management

Pontifícia Universidade de Minas Gerais

2020 - 2021

Civil Engineering PhD candidate specializing in Transport Planning and Infrastructure Management.

Universidade Federal de Pernambuco

2021 - Current

LANGUAGES

Proficient English

Advanced Spanish

Native Portuguese speakers

PALESTRAS

<https://www.youtube.com/live/M3Dc1NrRjY?feature=share>

SOFTWARES

Comprehensive Office Suite

AutoCAD, Civil 3D, and REVIT

QGIS, ArcGIS and ArcGISPro

R

Transcad and SUMO

Photoshop and Illustrator

GeoDa and MAXENT

Gantt Project and Asana

ABOUT ME

PhD student in Civil Engineering specializing in Transport Planning and Infrastructure Management at UFPE, nearing completion of a doctoral thesis on integrating cargo and passenger flows in urban settings; Master's degree in Geotechnics and Transport, focusing on Transport from UFMG, conducting research on logistical expansion and urban planning utilizing machine learning techniques, acknowledged by the academic community as a standout work of the year in the field; Bachelor's degree in Civil Engineering from UFMG, including a year-long exchange program at UPV in Valencia, Spain; and Specialization in Urban Environmental Planning and Social Production of Space and Logistics Management from PUC-Minas. Engaged in researching urban phenomena, particularly those concerning the transportation system. Vigilant of economic, social, and technological trends to produce studies beneficial for cities striving for more sustainable, healthier, and people-centric environments. Former instructor at the Federal University of Ouro Preto for two academic terms, teaching transportation, construction planning, and scientific methodology. Previous role as an infrastructure consultant at CODEMGE, contributing to research and innovation partnerships, notably involved in formulating the State Logistics and Transport Plan of Minas Gerais and the Intermunicipal Transport Development Plan of Minas Gerais. Engaged in bidding processes, conducting assessments, and proposing innovative approaches to ensure the plans' relevance and effectiveness.

PROFESSIONAL AND ACADEMIC BACKGROUND

(2023 - 2024) - Minas Gerais Development Company - (Infrastructure Advisor)

I participated in the teams tasked with preparing the Minas Gerais Logistics and Transport Plan as well as the Minas Gerais Intermunicipal Transport Development Plan. Apart from conducting assessments of the transport industry, I also analyzed and conducted assessments of sectors intersecting with transport like health, education, and economy. Additionally, I was accountable for assessing and formulating indicators for various scenarios and policies, organizing and implementing events involving multiple stakeholders, and preparing for and engaging in bidding processes from the inception of preliminary technical studies to proposal validation.

(2021 - 2024) - Federal University of Pernambuco - (PhD candidate, CAPES Scholarship)

I conducted my doctoral research on the integration of passenger and freight transportation, establishing myself as a pioneering researcher in the Brazilian context. The study encompassed e-commerce's impact on land use, the intersection of COVID-19, e-commerce, and transportation, accessibility to opportunities, urban logistics solutions, and socioeconomic determinants affecting urban freight transport and e-commerce. Methodologies employed included spatial modeling, classical and spatial econometrics, and literature review.

(2022 - 2023) - Federal University of Ouro Preto - (Adjunct Professor)

I instructed and developed content for various subjects within the Urban Engineering program, including Transport Systems Analysis, Urban Transport Planning, Scientific Methodology, Tenders and Planning of Public Works, and Management and Operation of Transport Systems. Additionally, I oversaw student projects on a range of topics such as zero fare on public transport, access to opportunities through public transport, equity in public transport, urban accidents and urban morphology, taxi-hailing as a sustainable urban mobility option, and intelligent transport systems for fostering sustainable cities.

(2019 - 2021) - Federal University of Minas Gerais - (Master's student, FAPEMIG Scholarship)

I conducted research for my dissertation on logistics sprawl and utilized a machine learning tool to forecast the placement of logistics warehouses for urban planning purposes. Additionally, I explored e-commerce, short logistics chains like organic fairs, and the utilization of motorcycles for urban mobility for both individuals and goods.

(2022) - Diversification and Flexibility - Independent Researcher

I conducted consultancy to create theoretical content on emissions for various vehicles in diverse socioeconomic settings. Currently, I serve as a reviewer for the group's journal (JOSUM).

MAIN PUBLICATIONS

OLIVEIRA, ISABELA KOPPERSCHMIDT DE; MEIRA, LEONARDO HERSZON; OLIVEIRA, LEISE KELLI. Key factors for developing freight and passenger integrated transportation systems in Brazil. *Research in Transportation Economics*, v.51, p.101425 - , 2024. <https://doi.org/10.1016/j.retrec.2024.101425>

CAMPOS, J. P.; **OLIVEIRA, ISABELA KOPPERSCHMIDT DE;** GONCALVES, C. C.; SANTOS, D. A. S. AVALIAÇÃO DA QUALIDADE DO TRANSPORTE PÚBLICO DE MARIANA (MG) APÓS A IMPLANTAÇÃO DA POLÍTICA TARIFA ZERO: UMA COMPARAÇÃO ENTRE A PERSPECTIVA DO USUÁRIO E A TÉCNICA In: 37º CONGRESSO DE PESQUISA E ENSINO EM TRANSPORTES, 2023, Santos. ANAIS DO CONGRESSO DE PESQUISA E ENSINO EM TRANSPORTES., Campinas: Galoá, 2023. <https://proceedings.science/anpet/anpet-2023/trabalhos/avaliacao-da-qualidade-do-transporte-publico-de-mariana-mg-apos-a-implantacao-da?lang=pt-br>

OLIVEIRA, ISABELA KOPPERSCHMIDT DE; OLIVEIRA, LEISE KELLI DE ; MAIA, MARIA LEONOR ALVES ; SANTOS JUNIOR, JORGE LUIZ DOS . Urban delivery, the Covid-19 pandemic and changes in land use: evidence of the territorial dynamics of the non-residential real estate sector in Belo Horizonte. *TRANSPORTES (RIO DE JANEIRO)*, v. 31, p. e2821, 2023. <https://doi.org/10.58922/transportes.v31i1.2821>

OLIVEIRA, LEISE KELLI DE ; **OLIVEIRA, ISABELA KOPPERSCHMIDT DE ;** FRANÇA, JOÃO GUILHERME DA COSTA BRAGA ; BALIEIRO, GUSTAVO WAGNER NUNES ; CARDOSO, JEAN FRANCISCO ; BOGO, TIAGO ; BOGO, DIEGO ; LITTIG, MARCO ADRIANO . Integrating Freight and Public Transport Terminals Infrastructure by Locating Lockers: Analysing a Feasible Solution for a Medium-Sized Brazilian Cities. *Sustainability*, v. 14, p. 10853, 2022. <https://doi.org/10.3390/su141710853>

OLIVEIRA, ISABELA KOPPERSCHMIDT DE; OLIVEIRA, LEISE KELLI DE ; LISBOA, MARIA ROSA AMORIM FARIA ; MADALON, ELLEN CAROLINE NUNES ; FREITAS, LUIZA FLEURY DE ; PERES FILHO, AUGUSTO CEZAR . The Geographical Distance between Producers and Consumers of the Organic Street Markets: The Case of Belo Horizonte, Brazil. *Logistics*, v. 5, p. 30, 2021. <https://doi.org/10.3390/logistics5020030>

OLIVEIRA, ISABELA KOPPERSCHMIDT DE; OLIVEIRA, LEISE KELLI DE ; NÓBREGA, RODRIGO AFFONSO DE ALBUQUERQUE . Applying the Maximum Entropy Model to Urban Freight Transportation Planning: An Exploratory Analysis of Warehouse Location in the Belo Horizonte Metropolitan Region. *TRANSPORTATION RESEARCH RECORD*, v. 00, p. 036119812110278, 2021. <https://doi.org/10.1177/03611981211027873>

OLIVEIRA, LEISE KELLI DE ; **OLIVEIRA, ISABELA KOPPERSCHMIDT DE ;** CALIARI, PEDRO HENRIQUE CALDEIRA ; MELLO, CARINE ARAGÃO DE ; MAIA, MARIA LEONOR ALVES . Influence of demographic and socioeconomic factors on motorcycle usage in Brazil. *CASE STUDIES ON TRANSPORT POLICY*, v. 00, p. 00, 2021. <https://doi.org/10.1016/j.cstp.2021.08.013>

KOPPERSCHMIDT DE OLIVEIRA, ISABELA; GONÇALVES FERREIRA DE ARAÚJO, GRACIELLE ; DE OLIVEIRA, LEISE KELLI . Analysis of characteristics of the cities on the warehouse location: the case of Belo Horizonte metropolitan region. *TRANSPORTES (RIO DE JANEIRO)*, v. 29, p. 1-15, 2021. <https://doi.org/10.14295/transportes.v29i3.2639>

OLIVEIRA, I. K.; OLIVEIRA, L. K. ; NASCIMENTO, C. O. L. ; MEIRA, L. H. ; MARCUCCI, E. ; GATTA, V. . PROPOSIÇÃO DE MODELO CONCEITUAL E PILARES PARA INTEGRAÇÃO DO TRANSPORTE DE CARGAS E PESSOAS EM CENTROS URBANOS BRASILEIROS. In: 36º CONGRESSO DE PESQUISA E ENSINO EM TRANSPORTES, 2022, Fortaleza. ANAIS DO 36º CONGRESSO DE PESQUISA E ENSINO EM TRANSPORTES, 2022. <https://proceedings.science/anpet-2022/trabalhos/proposicao-de-modelo-conceitual-e-pilares-para-integracao-do-transporte-de-carga?lang=pt-br>

FRANÇA, JOÃO GUILHERME DA COSTA BRAGA ; OLIVEIRA, L. K. ; KIJEWSKA, K. ; IWAN, S. ; **OLIVEIRA, I. K. .** ASSESSMENT OF EXTERNALITIES RELATED TO URBAN FREIGHT TRANSPORT FROM BELO HORIZONTE RESIDENT'S PERSPECTIVE. In: 36º CONGRESSO DE PESQUISA E ENSINO EM TRANSPORTES, 2022, Fortaleza. ANAIS DO 36º CONGRESSO DE PESQUISA E ENSINO EM TRANSPORTES, 2022. <https://proceedings.science/anpet-2022/trabalhos/assessment-of-externalities-related-to-urban-freight-transport-from-belo-horizon?lang=pt-br>

ROCHA CASTILHO, LUÍS OTÁVIO; CARDOSO, LEANDRO; LOBO, CARLOS; **KOPPERSCHMIDT DE OLIVEIRA, ISABELA** Centralidades urbanas: proposta de classificação com base no fluxo de viagens em Belo Horizonte - MG. *TRANSPORTES (RIO DE JANEIRO)*, v.30, p.2533 - , 2022. <https://doi.org/10.14295/transportes.v30i1.2533>

SKILLS

Communication	★★★★★	Multidisciplinary	★★★★★	Collaboration	★★★★★
Learning	★★★★★	Adaptability	★★★★★	Proactivity	★★★★★
Organization	★★★★★	Curiosity	★★★★★	Creativity	★★★★★

SPECIALIZED KNOWLEDGE

Econometrics	Innovative technologies implemented in urban and transportation planning.	Stakeholder integration
Econometric spatial analysis		Qualitative and quantitative research methodologies
Management of social media	Preparation, coordination, execution, and participation in events	Research planning
Urban and Transportation Planning	Integration of passenger and freight transportation	Short supply chains
Urban environment models	Alternative economic models (circular economy, platform economy, and sharing economy)	Smart Cities, Mobility as a Service, and Intelligent Transportation Systems
Urban logistics		Bibliographic investigation
Public policies concerning urban and transportation planning	Urban Areas, Transportation, and Climate Change	Zero Rate
E-commerce and consumer behavior	Project planning and coordination	Equity and social justice in urban and transport planning
	Bids	Opportunities access
		New Urbanism and TOD