



Online Poster Presentation



A Qualitative Framework for Vehicle Demand Prediction Model for Indian Road Transport

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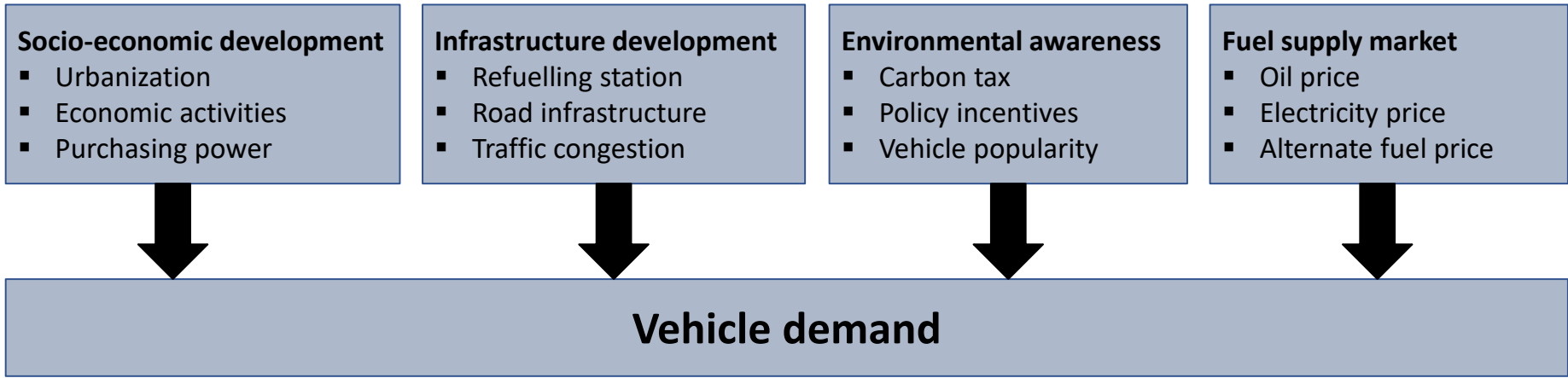
0:00-0:20

Problem Statement



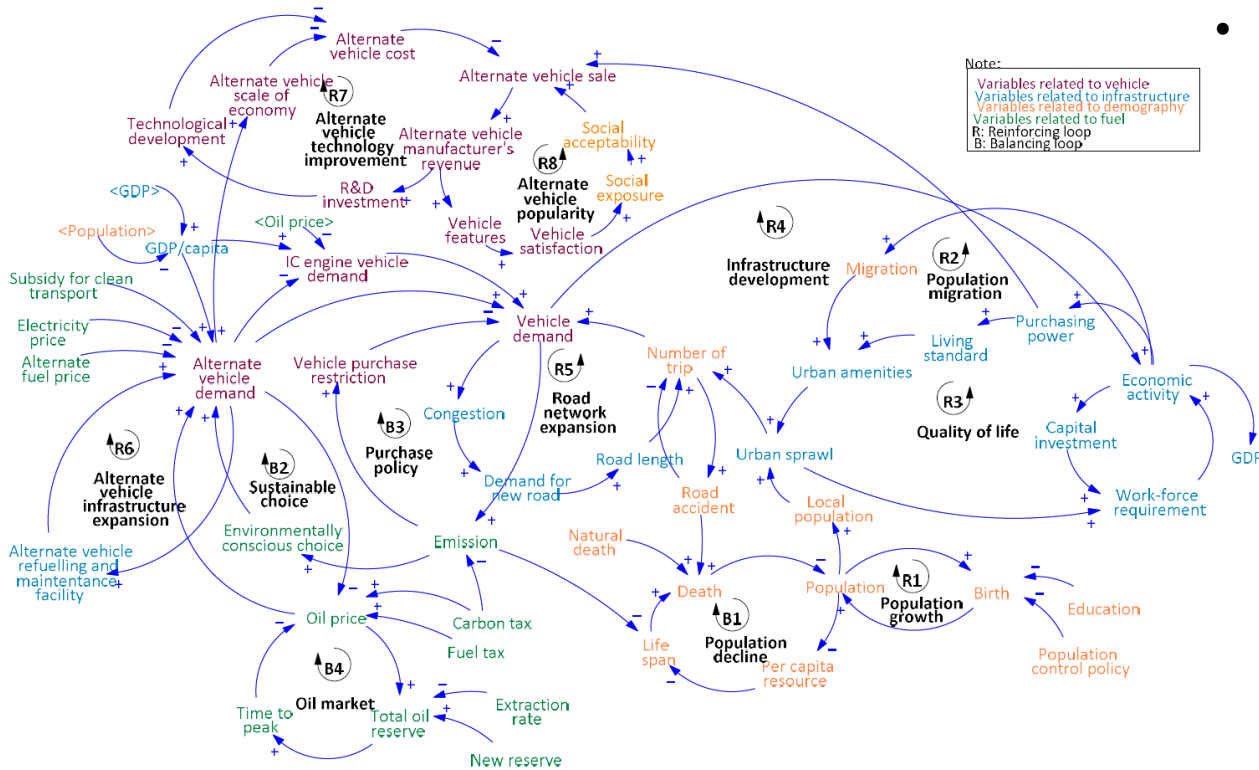
- Socio-economic Statistics
 - Increase in GDP per capita by 3-fold since 2005
 - Demand for personal vehicle
- Transport Statistics
 - Over 26 million vehicle sold in 2019
 - Oil consumption at 3.6% CAGR between 2000-2021
 - 13.5% CO₂ emissions of transport

Approach or Dynamic Hypothesis



- Identified variables related to each domain
- Develop causal relationship between the variables
- Expand the CLD to incorporate each domain

Results



- Areas covered
 - Quality of life
 - Road network expansion
 - Technological development
 - Fuel market
- Key variables
 - Economic activity
 - Urban sprawl
 - Alternate vehicle demand
 - Total vehicle demand

2:30-5:00