## Investigation of service quality in relation to public transport level of service for Mexican public transport systems which aim at satisfying typical and non-typical public transport users

This Master's Thesis is part of a broader study which intends to evaluate the attributes to be improved for the Mexican PuT in order to reach a quality of service comparable to that of the German PuT. This model will only focus on the user's perception of service quality.

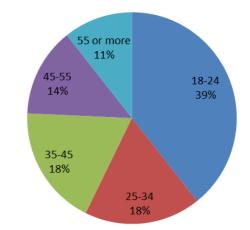
In order to have an objective perception of the service quality in both PuT systems, the Mexicans who have lived for more than one year in Germany and have experienced both systems were interviewed. Results showed that for the indicator price, PuT users in Mexico are more satisfied than PuT in Germany. Punctuality, information about the service and driver's abilities are attributes that if improved and due to their importance for the users would have a stronger impact in the overall score of user's perception of service quality. 1 represents the highest satisfaction; 5 represent the lowest satisfaction

Д	User's perception of quality	
(Quality of service)	Mobility	Travel Time
	Accesibility	Proximity to stations
	Connectivity	System coverage
	Maintenance	Vehicle
		Infrastructure
	Comfort	Facilities
		Vehicle
	Operation capacity	Vehicle capacity
		Service frequency
	Education	Staff training
		Citizen Education
	Security and Safety	Vehicle Danger
		User safety
	Reliability	Punctuality
		Cancellations

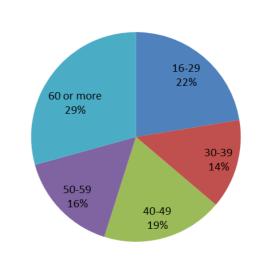


Ramon Alberto Jimenez Medina

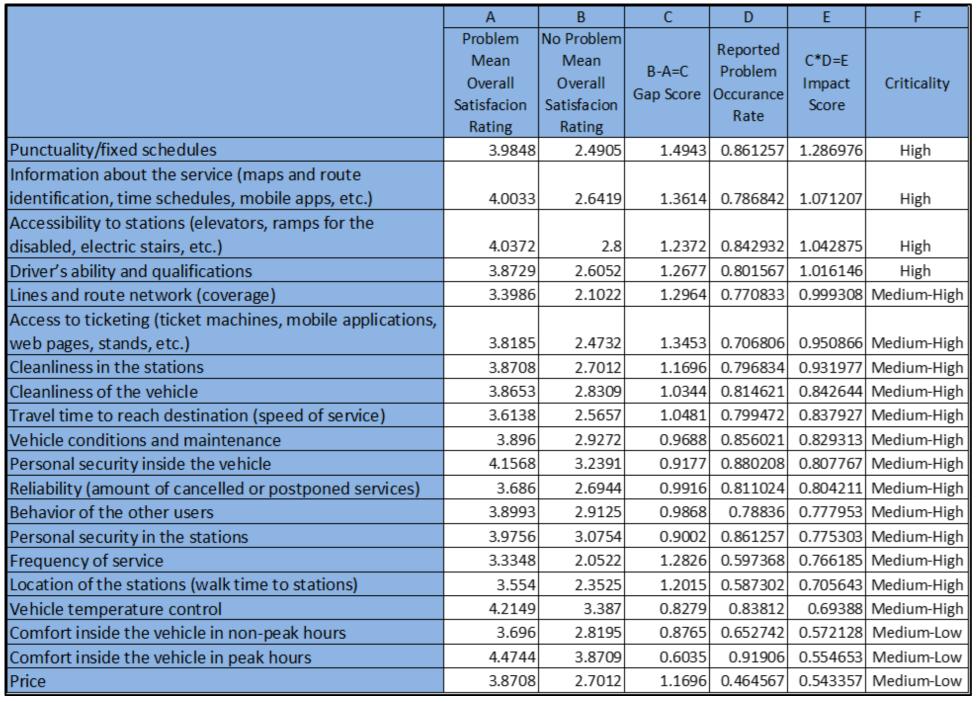
**Public Transport Users by Age Xalapa** 



**Public Transport Users by Age Stuttgart** 



Previous studies made in Xalapa and Stuttgart were taken as a reference. The change in PuT users who enter an economically productive age in Xalapa was from 39% to 18% which represents a decrease of 21% in PuT users. In Stuttgart the change is less dramatic, decreasing from 22.4% to 13.8%; representing a loss of only about 8% of PuT users.



**Conclusion:** Investing in the improvement of certain attributes in PuT can stimulate the attraction non-typical users and reduce the change to the use of private means of transportation.

Master Thesis of Ramon Alberto Jimenez Medina Examiners: Prof. Dr.-Ing Ulrich Martin Prof. Dr.-Ing Markus Friedrich

Supervisor: M. Sc. David Camacho Alcocer