

Automotive Congestion Charge

How would introducing a congestion tax impact Luxembourg?

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Abstract

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Contents

1	Introduction	2
2	Main Body	2
2.1	The transportation sector in Luxembourg as of 2020	3
2.2	Impact of a congestion charge	3
3	Conclusion	3
4	References	3
5	RPPF	4

1 Introduction

- Reasons for choice
- Introduction to topic
 - Generic facts about Luxembourg's road usage
 - * Traffic jams
 - * Accidents
 - * Pollution
 - What is a congestion tax?
 - * Introduce the concept of road pricing
 - Generic facts about Luxembourg's road usage
- Hypothesis:
 - Introducing a congestion charge will have an overall positive outcome due to it decreasing automobile use and thus decreasing negative factors such as pollution and time waste through traffic jams
- Plan:
 - Traffic jams
 - Accidents
 - Pollution

2 Main Body

- Probe elasticity of automobile usage in Luxembourg
- Explore changes in behaviour as a result of road pricing
 - Impact on traffic jams
 - Impact on accidents
 - Impact on pollution

- Explore impact on individual social classes
- Will a congestion charge increase social inequality?
- Complications and issues to be resolved
 - Will delivery services be exempt from the tax?
 - Compare to other cities
 - Costs vs benefits
 - What methods to use to enable and enforce charges?
 - Political viability and public opinion
 - Impact of the “frontaliers”

2.1 The transportation sector in Luxembourg as of 2020

In order to determine how introducing a congestion charge will impact the Luxembourg economy, we first need to understand how the transportation sector currently functions.

2.2 Impact of a congestion charge

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3 Conclusion

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4 References

Khan Academy, (2019). *Macroeconomics*. [online] Available at: <https://www.khanacademy.org/economics-finance-domain/macroeconomics> [Accessed 2 June 2019]

Smeed, R.J., 1968. Traffic studies and urban congestion. *Journal of Transport Economics and Policy*, pp.33-70.

Sharp, C., 1966. Congestion and Welfare-an Examination of the Case for a Congestion Tax. *The Economic Journal*, 76(304), pp.806-817.

Beesley, M.E., 1965. The value of time spent in travelling: some new evidence. *Economica*, 32(126), pp.174-185.

Richardson, H.W., 1974. A note on the distributional effects of road pricing. *Journal of Transport Economics and Policy*, pp.82-85.

Derbel, A. and Boujelbene, Y., 2019, October. A Systematic Literature Review of Studies on Road Congestion Modelling. In *International Workshop on Distributed Computing for Emerging Smart Networks* (pp. 23-36). Springer, Cham. Fridstrøm, L., The Case for Marginal Cost Road Pricing in Norway.

Meloche, J.P., 2019. Towards a New Era in Road Pricing? Lessons from the Experience of First Movers (No. 2019s-35). CIRANO.

5 RPPF