

Strategy-proof location of public bads

Citation for published version (APA):

Lahiri, A. (2016). *Strategy-proof location of public bads*. Universitaire Pers Maastricht.

Document status and date:

Published: 01/01/2016

Document Version:

Publisher's PDF, also known as Version of record

Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

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STELLINGEN

TO ACCOMPANY THE DISSERTATION

OF

ABHINABA LAHIRI

1. Under myopic preferences, without non-corruptibility or the far-away condition, inner solutions are possible in a two country model.
(Chapter 2)
2. Indifferences in lexicographic preferences makes the description of the class of rules technically complex.
(Chapter 3)
3. Unanimous and strategy-proof rules may select inner points while locating two public bads on a line. This is not the case for locating one public bad on a line.
(Chapter 4)
4. In the model with one public facility; good for some agents and bad for the remaining agents, we have almost dictatorial results. These results are true for two agents. Extending these rules to n agents results into more possibilities.
(Chapter 5)
5. A social choice theorist tries to figure out how to aggregate individual preferences to come up with a social order while imposing some properties on the aggregation procedure.
6. For dealing with a complex domain of preference profiles, creating specific examples helps to characterise the class of rules.
7. A language is a tool to communicate. Mathematics is also a language that enables to communicate in a precise, abstract and elegant way.
8. For implementing the rules described in this thesis, especially the ones in chapter 2, in a real world scenario, the implementing authority, first, must be convinced that the properties assumed here are essential.