Social Choice And The Mathematics Of Manipulation

[DOWNLOAD HERE](#)

A mathematical look at why it is impossible to devise a completely unmanipulable voting system. Honesty in voting, it turns out, is not always the best policy. Indeed, in the early 1970s, Allan Gibbard and Mark Satterthwaite, building on the seminal work of Nobel laureate Kenneth Arrow, proved that with three or more alternatives there is no reasonable voting system that is non-manipulable, voters will always have an opportunity to benefit by submitting a disingenuous ballot. The ensuing decades produced a number of theorems of striking mathematical naturality that dealt with the manipulability of voting systems. This book presents many of these results from the last quarter of the twentieth century, especially the contributions of economists and philosophers, from a mathematical point of view, with many new proofs. The presentation is almost completely self-contained, and requires no prerequisites except a willingness to follow rigorous mathematical arguments. Mathematics students, as well as mathematicians, political scientists, economists and philosophers will learn why it is impossible to devise a completely unmanipulable voting system. EAN/ISBN : 9780511113734 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Taylor, Alan D.

[DOWNLOAD HERE](#)

Similar manuals: