1. Record Nr. UNINA9910454109603321 Autore Bostrom Nick <1973-> **Titolo** Anthropic bias: observation selection effects in science and philosophy // Nick Bostrom Pubbl/distr/stampa New York:,: Routledge,, 2002 **ISBN** 0-203-95346-0 1-136-71099-X 1-136-71097-3 Descrizione fisica 1 online resource (241 p.) Collana Studies in philosophy Disciplina 121/.6 Soggetti Methodology Anthropic principle Selectivity (Psychology) Observation (Scientific method) Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references (pages 207-217) and index. ""Cover"": ""Title"": ""Copyright"": ""Dedication"": ""Contents"": Nota di contenuto ""ACKNOWLEDGEMENTS"": ""PREFACE"": ""Chapter 1 INTRODUCTION"": ""Observation selection effects""; ""A brief history of anthropic reasoning""; ""Synopsis of this book""; ""Chapter 2 FINE-TUNING IN COSMOLOGY""; ""Does fine-tuning need explaining?""; ""No a€œInverse Gamblera€?s Fallacya€?""; ""Roger White and Phil Dowea€?s analysis""; ""Surprising vs. unsurprising improbable events""; ""Modeling observation selection effects: the angel parable""; ""Preliminary conclusions""; ""Chapter 3 ANTHROPIC PRINCIPLES: THE MOTLEY FAMILY"" ""The anthropic principle as expressing an observation selection effect"""Anthropic hodgepodge"": ""Freak observers and why earlier formulations are inadequate"; ""The Self-Sampling Assumption""; ""Chapter 4 THOUGHT EXPERIMENTS SUPPORTING THE SELF-SAMPLING ASSUMPTION""; ""The Dungeon gedanken""; ""Two thought experiments by John Leslie""; ""The Incubator gedanken""; ""The reference class

problem""; ""Chapter 5 THE SELF-SAMPLING ASSUMPTION IN SCIENCE"";

""SSA in cosmology""; ""SSA in thermodynamics""; ""SSA in evolutionary biology"": ""SSA in traffic analysis"": ""SSA in quantum physics"" ""Summary of the case for SSA""""Chapter 6 THE DOOMSDAY ARGUMENT""; ""Background""; ""Doomsayer Gott""; ""The incorrectness of Gotta€?s argument""; ""Doomsayer Leslie""; ""The premisses of DA, and the Old evidence problem""; ""Lesliea€?s views on the reference class problem""; ""Alternative conclusions of DA""; ""Chapter 7 INVALID OBJECTIONS AGAINST THE DOOMSDAY ARGUMENT""; ""Doesna€?t the Doomsday argument fail to a€œtarget the trutha€??""; ""The a€œbabyparadoxa€?""; ""Isna€?t a sample size of one too small?""; ""Couldna€?t a Cro-Magnon man have used the Doomsday argument?"" ""We can make the effect go away simply by considering a larger hypothesis space"""Arena€?t we necessarily alive now?""; ""Sliding reference of a€œsoona€? and a€œlatea€??""; ""How could I have been a 16th century human?""; ""Doesna€?t your theory presuppose that what happens in causally disconnected regions affects what happens here?""; ""But we know so much more about ourselves than our birth ranks!""; ""The Self-Indication Assumptiona€? Is there safety in numbers?"": ""Chapter 8 OBSERVER-RELATIVE CHANCES IN ANTHROPIC REASONING?""; ""Lesliea€?s argument, and why it fails"" ""Observer-relative chances: another go""""Discussion: indexical factsa €?no conflict with physicalism""; ""In conclusion""; ""Appendix: the nobetting results""; ""Chapter 9 PARADOXES OF THE SELF-SAMPLING ASSUMPTION""; ""The Adam & Eve experiments""; ""Analysis of Lazy Adam: predictions and counterfactuals""; ""The UN++ gedanken: reasons and abilities""; ""Quantum Joe: SSA and the Principal Principle""; ""Upshot""; ""Appendix: The Meta-Newcomb problem""; ""Chapter 10 OBSERVATION SELECTION THEORY: A METHODOLOGY FOR ANTHROPIC REASONING""; ""Building blocks, theory constraints and desiderata"" ""The outline of a solution""