

Contents

1	Introduction: A Personal Perspective	1
2	It's About Attitude and Experiments	7
	References	13
3	What's the Problem?	15
	References	20
4	Oh No! Something Doesn't Fit!	21
	References	26
5	The Solutions to Problems	27
	References	33
6	Making Observations	35
	References	40
7	Seeing is Not Necessarily Believing	41
	References	46
8	Testing Hypotheses	47
	References	52
9	More on Induction and Justification	55
	References	60
10	Models: Useful but Not True	61
	References	67
11	Just Be Cause	69
	References	75

12	A Question of Trust	77
	References	82
13	Science, Non-Science and Pseudoscience	83
	References	89
14	Scientific Thinking: Being Rational?	91
	References	96
15	Some Concluding Thoughts.	97
	Further Reading.	98
	Index.	101

Practical Applications of the Philosophy of Science

Thinking about Research

Truran, P.

2013, X, 102 p., Softcover

ISBN: 978-3-319-00451-8