

Contents

Preface to the First Edition xiii

Acknowledgments xv

1 **Being a Graduate Student in Economics** 1

1 Financial Support 1

2 Your Daily Life 3

2.1 *Some General Comments* 3

2.2 *Courses You Take* 6

2.3 *Teaching* 8

2.4 *Workshops and Visitors* 10

2.5 *Working with Classmates* 12

2.6 *Where to Study* 12

3 Doing Research 14

3.1 *Getting Research Ideas and Writing* 14

3.2 *Presenting Your Work and Circulating It* 16

3.3 *Submitting Your Papers to Journals* 18

3.4 *Dissertation* 20

4 Your Advisor 21

4.1 *Selecting Your Advisor* 21

4.2 *What You Should Expect from Your Advisor* 22

4.3 *What You Should Not Expect* 23

5 Job Market 26

5.1 *When to Be on the Market* 28

5.2 *Your Application* 30

5.3 *Mock Interviews* 33

5.4 *Where to Apply* 34

5.5 *Early Fly-Outs* 35

5.6 *Interviews at the ASSA Meeting* 36

5.7 *Campus Visits* 40

6	Dissertation Defense	41
6.1	Committee	41
6.2	Defense	42
	Reference	44
2	Writing Papers	45
1	General Principles	46
1.1	<i>Write So That You Will Not Have to Be Read</i>	46
1.2	<i>Don't Forget How You Made Your Discoveries</i>	46
1.3	<i>Don't Forget Your Errors</i>	47
1.4	<i>Demonstrate the Originality and Significance of Your Contribution</i>	47
1.5	<i>Understand the Function of Each Component of Your Paper</i>	48
1.6	<i>In the Literature Review, Tell a Story; Don't Enumerate</i>	50
2	Notation	51
2.1	<i>Learn \LaTeX or a Related Program</i>	52
2.2	<i>Choose Easily Recognizable Notation</i>	52
2.3	<i>Choose Mnemonic Abbreviations for Assumptions and Properties</i>	55
2.4	<i>Use Only Notation You Can Easily Pronounce or Draw on the Board</i>	57
2.5	<i>Don't Introduce Notation You Will Use Only Once or Twice</i>	58
2.6	<i>Respect the Hierarchy of the Different Parts of a Paper</i>	59
2.7	<i>Choose Notation Resulting in Uncluttered Mathematical Expressions</i>	60
3	Definitions	62
3.1	<i>Don't Assume Readers' Familiarity with Your Terms and Definitions</i>	62
3.2	<i>Make It Clear When You Are Defining a New Term</i>	63
3.3	<i>Indicate the Kind of Mathematical Object Each New Notation Designates</i>	64
3.4	<i>Give Examples Illustrating Novel Definitions</i>	64
3.5	<i>Separate Formal Definitions from Interpretations</i>	67
3.6	<i>Present Basic Concepts in Their Full Generality</i>	69
3.7	<i>Write in Logical Sequences</i>	69
3.8	<i>Don't Collapse Two or Three Similar Statements into One</i>	72
3.9	<i>When Defining a Concept, Indicate What It Depends On</i>	72
3.10	<i>Be Unambiguous and Consistent in Quantifications</i>	74
3.11	<i>Don't Use Different Terms or Phrases for the Same Concept</i>	74

- 3.12 *Name Concepts Carefully* 75
- 3.13 *Avoid Unnecessary Technical Jargon* 76
- 3.14 *Challenge Dominant but Inadequate Terminology and Usage* 77
- 3.15 *Use Technical Terms Correctly* 79
- 3.16 *Clean Up Your Text* 80
- 4 **Models** 82
 - 4.1 *Understand the Role of Models* 82
 - 4.2 *Introduce Your Model by Moving from Infrastructure to Superstructure* 82
 - 4.3 *Avoid Long Sentences* 83
 - 4.4 *Redundancy Is Useful, but Don't Overdo It* 84
 - 4.5 *Don't Be Shy about Explaining Very Simple Things* 85
 - 4.6 *Beware the Apparent Simplicity of Numerical Examples* 86
 - 4.7 *If You Name Your Agents, Do So in a Helpful Way* 89
 - 4.8 *Use One Enumeration for Each Object Category* 89
 - 4.9 *State Assumptions in Order of Decreasing Plausibility or Generality* 90
 - 4.10 *Group Assumptions by Category* 90
 - 4.11 *Figure Out and Indicate Logical Relations among Assumptions and Groups of Assumptions* 91
 - 4.12 *Make Sure There Are Objects Satisfying All Your Assumptions* 93
 - 4.13 *Use a Common Format for Formal Statements of Results and Similar Parts of Proofs* 93
- 5 **Theorems and Proofs** 95
 - 5.1 *Choose the Right Mixture of Words and Mathematics in Proofs* 95
 - 5.2 *Divide Proofs into Clearly Identified Steps or Cases* 97
 - 5.3 *Gather in Front of a Conclusion All the Conditions Needed to Reach It* 97
 - 5.4 *Pay Special Attention to Quantifications* 98
 - 5.5 *Specify Precisely the Assumptions, or Particular Parts of Them, Used in Each Step* 99
 - 5.6 *Don't Leave (Too Many) Steps to the Reader* 100
 - 5.7 *Use a Consistent Writing Style* 101
 - 5.8 *Be Consistent in Choosing Running Indices and Quantifications* 103
 - 5.9 *Don't Use Quantifiers in an English Sentence* 104
 - 5.10 *Show Clearly Where Each Proof Ends* 106

5.11	<i>If You Think a Step Is Obvious, Look Again</i>	106
5.12	<i>Verify the Independence of Your Hypotheses</i>	106
5.13	<i>Explore All Possible Variants of Your Results</i>	107
6	Use Pictures	108
6.1	<i>Prepare the Ground</i>	109
6.2	<i>The Edgeworth Box</i>	110
7	Conclusion	114
8	Related Literature	115
	References	116

3 Giving Talks 119

1	How Is an Oral Presentation Different from a Paper? How Is It the Same?	119
1.1	<i>Advantages of Oral Presentations</i>	120
1.2	<i>Difficulties of Oral Presentations</i>	122
2	Preparing Yourself	123
2.1	<i>The Benefits of Explaining Aloud</i>	124
2.2	<i>The Benefits of Practice</i>	124
3	Facing the Audience	126
3.1	<i>What Can You Expect the Audience to Know?</i>	126
3.2	<i>Looking Backward and Forward</i>	126
3.3	<i>Forgetting</i>	128
3.4	<i>Making Mistakes</i>	128
3.5	<i>Digressing</i>	129
3.6	<i>Making Jokes</i>	129
3.7	<i>Being Flexible</i>	130
3.8	<i>Surprising Your Audience</i>	131
4	Interacting with the Audience	131
4.1	<i>Answering Questions</i>	132
4.2	<i>Choosing Pitch and Pace</i>	133
4.3	<i>Bringing Attention (Back) to Yourself</i>	134
5	Using the Screen	134
5.1	<i>Benefits of the Screen</i>	134
5.2	<i>Preparing Your Presentation on the Screen</i>	136
5.3	<i>Showing Material on the Screen</i>	139
5.4	<i>Two Examples</i>	141
6	Proofs?	144

7	Writing on the Board	146
	7.1	<i>Restrict Yourself to a Few Colors</i> 146
	7.2	<i>Use as Little Notation as Possible</i> 147
	7.3	<i>Write Formulas from the Inside Out</i> 148
	7.4	<i>Watch Your Subscripts and Superscripts</i> 149
	7.5	<i>Use Common Formats</i> 149
	7.6	<i>Divide for Emphasis</i> 150
8	Conclusion	150
	References	150
4	Writing Referee Reports	151
1	Components of a Report	151
	1.1	<i>Summary</i> 152
	1.2	<i>Overall Evaluation</i> 152
	1.3	<i>Comments about Model and Results</i> 153
	1.4	<i>Comments about the Exposition</i> 154
2	Distinguish between Nonnegotiable Requests and Mere Suggestions for Changes	156
3	Evaluating Revisions	157
4	Length and Style of Your Report	157
5	The Cover Letter to the Associate Editor	158
6	General Recommendations	159
	6.1	<i>Expressing Judgment</i> 159
	6.2	<i>When Withholding Judgment Is Appropriate</i> 160
	6.3	<i>The Referee's Responsibilities to the Journal and to the Author</i> 161
7	Deciding Whether to Accept a Refereeing Job	162
8	Benefits to You of Your Refereeing Work	165
	References	166