

**The Role of Context in Developing Reasoning
about Informal Statistical Inference**

Table of Contents

EDITORIAL

1. The Role of Context in Developing Reasoning about Informal Statistical Inference

Katie Makar; Dani Ben-Zvi

Pages 1 – 4

ARTICLES

2. **Lessons from Inferentialism for Statistics Education**

Arthur Bakker; Jan Derry

Pages 5 – 26

3. **The Role of Context in Developing Informal Statistical Inferential Reasoning: A Classroom Study**

Maxine Pfannkuch

Pages 27 – 46

4. **The Role of Context Expertise When Comparing Data**

Cynthia Langrall; Steven Nisbet; Edward Mooney; Sinchai Jansem

Pages 47 – 67

5. **Conceptual Challenges in Coordinating Theoretical and Data-centered Estimates of Probability**

Cliff Konold; Sandra Madden; Alexander Pollatsek; Maxine Pfannkuch; Chris Wild; Ilze Ziedins; William Finzer; Nicholas J. Horton; Sibel Kazak

Pages 68 – 86

6. **Explanations and Context in the Emergence of Students' Informal Inferential Reasoning**

Einat Gil; Dani Ben-Zvi

Pages 87 – 108

7. **Statistically, Technologically, and Contextually Provocative Tasks: Supporting Teachers' Informal Inferential Reasoning**

Sandra R. Madden

Pages 109 – 131

8. **Authentic Practices as Contexts for Learning to Draw Inferences Beyond Correlated Data**

Adri Dierdorj; Arthur Bakker; Harrie Eijkelhof; Jan van Maanen

Pages 132 – 151

9. **The Reasoning Behind Informal Statistical Inference**

Katie Makar; Arthur Bakker; Dani Ben-Zvi

Pages 152 – 173