The Essentials of Political Analysis
Third Edition

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## 3. Proposing Explanations, Framing Hypotheses, and Making Comparisons

### Proposing Explanations

- Framing Hypotheses
  - *Intervening Variables*
- Making Comparisons
  - *Cross-tabulations*
  - *Mean Comparisons*
- Graphing Relationships and Describing Patterns

### Exercises

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## 4. Research Design and the Logic of Control

### Experimental Studies

- Random Assignment
- *A Laboratory Experiment*
- *A Field Experiment*

### Observational Studies

- *A Natural Experiment*
- Controlled Comparisons
- Three Scenarios: X→Y, Controlling for Z
  - *Spurious Relationships*
  - Additive Relationships
  - Interaction Relationships
    - *The Many Faces of Interaction*

### Exercises

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## 5. Making Controlled Comparisons

### Cross-tabulation Analysis

- Control Tables
- Partial Effect
- Identifying the Pattern

### Graphing Controlled Comparisons

- An Example of Interaction

### Mean Comparison Analysis

- An Example of Additive Relationships
- Another Example of Interaction

### Exercises

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