

# Introduction

Wisdom does not often appear in rapid-fire social media posts. Wisdom takes time and thought, the accumulation of knowledge informed by evidence and expertise, and the crafting of careful prose. Although wisdom can be pithy, more often scientific insight requires some room to explain and develop.

*Annual Review of Psychology* articles offer expert, integrative reviews that go beyond top-of-the-head sound bites or click bait, instead examining a topic's nuances and pros and cons, the weight of the evidence, and gaps in our knowledge to date. As such, they provide lasting insights about the current state of the field and ways forward.

What's more, our authors and topics are vetted by the expert Editorial Committee. Our articles are carefully reviewed by devoted colleagues and by the editors. So, take the time to experience some curated wisdom from hand-picked experts. It's time well spent.

Susan T. Fiske  
Princeton, New Jersey  
Daniel L. Schacter  
Cambridge, Massachusetts  
Shelley E. Taylor  
Los Angeles, California



# Contents

|  |     |
|--|-----|
| Eavesdropping on Memory<br><i>Elizabeth F. Loftus</i> .....  | 1   |
| Memory: Organization and Control<br><i>Howard Eichenbaum</i> .....   | 19  |
| Neural Mechanisms of Selective Visual Attention<br><i>Tirin Moore and Marc Zirnsak</i> .....   | 47  |
| Learning, Reward, and Decision Making<br><i>John P. O'Doherty, Jeffrey Cockburn, and Wolfgang M. Pauli</i> .....   | 73  |
| Reinforcement Learning and Episodic Memory in Humans and Animals:<br>An Integrative Framework<br><i>Samuel J. Gershman and Nathaniel D. Daw</i> .....    | 101 |
| Social Learning and Culture in Child and Chimpanzee<br><i>Andrew Whiten</i> .....  | 129 |
| Survival of the Friendliest: <i>Homo sapiens</i> Evolved via Selection for<br>Prosociality<br><i>Brian Hare</i> .....                                    | 155 |
| Numerical Development<br><i>Robert S. Siegler and David W. Braithwaite</i> .....   | 187 |
| Gene $\times$ Environment Interactions: From Molecular Mechanisms to<br>Behavior<br><i>Thorhildur Halldorsdottir and Elisabeth B. Binder</i> .....       | 215 |
| The Structure of Social Cognition: In(ter)dependence of Sociocognitive<br>Processes<br><i>Francesca Happé, Jennifer L. Cook, and Geoffrey Bird</i> ..... | 243 |
| Toward a Social Psychophysics of Face Communication<br><i>Rachael E. Jack and Philippe G. Schyns</i> .....   | 269 |
| Social Motivation: Costs and Benefits of Selfishness and Otherishness<br><i>Jennifer Crocker, Amy Canevello, and Ashley A. Brown</i> .....               | 299 |
| Attitude Strength<br><i>Lauren C. Howe and Jon A. Krosnick</i> .....   | 327 |
| How Power Affects People: Activating, Wanting, and Goal Seeking<br><i>Ana Guinote</i> .....  | 353 |

|  |     |
|--|-----|
| The Psychology of Close Relationships: Fourteen Core Principles<br><i>Eli J. Finkel, Jeffery A. Simpson, and Paul W. Eastwick</i> .....                              | 383 |
| Moving Beyond Correlations in Assessing the Consequences of Poverty<br><i>Greg J. Duncan, Katherine Magnuson, and Elizabeth Votruba-Drzal</i> .....                  | 413 |
| Culture Three Ways: Culture and Subcultures Within Countries<br><i>Daphna Oyserman</i> .....   | 435 |
| Learning from Errors<br><i>Janet Metcalfe</i> .....  | 465 |
| Mindfulness Interventions<br><i>J. David Creswell</i> .....  | 491 |
| Hidden Wounds? Inflammatory Links Between Childhood Trauma and<br>Psychopathology<br><i>Andrea Danese and Jessie R. Baldwin</i> .....                                | 517 |
| Adjusting to Chronic Health Conditions<br><i>Vicki S. Helgeson and Melissa Zajdel</i> .....  | 545 |
| Health Behavior Change: Moving from Observation to Intervention<br><i>Paschal Sheeran, William M.P. Klein, and Alexander J. Rothman</i> .....                        | 573 |
| Experiments with More than One Random Factor: Designs, Analytic<br>Models, and Statistical Power<br><i>Charles M. Judd, Jacob Westfall, and David A. Kenny</i> ..... | 601 |
| Interactions with Robots: The Truths We Reveal About Ourselves<br><i>Elizabeth Broadbent</i> .....   | 627 |

## Indexes

|   |     |
|---|-----|
| Cumulative Index of Contributing Authors, Volumes 58–68 ..... | 653 |
| Cumulative Index of Article Titles, Volumes 58–68 .....       | 658 |

## Errata

An online log of corrections to *Annual Review of Psychology* articles may be found at  
<http://www.annualreviews.org/errata/psych>