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Sommario/riassunto

Magicians have dazzled audiences for many centuries; however, few researchers have studied how, let alone why, most tricks work. The psychology of magic is a nascent field of research that examines the underlying mechanisms that conjurers use to achieve enchanting phenomena, including sensory illusions, misdirection of attention, and the appearance of mind-control and nuanced persuasion. Most studies to date have focused on either the psychological principles involved in watching and performing magic or "neuromagic" - the neural correlates of such phenomena. Whereas performers sometimes question the contributions that modern science may offer to the advancement of the magical arts, the history of magic reveals that scientific discovery often charts new territories for magicians. In this research topic we sketch out the symbiotic relationship between psychological science and the art of magic. On the one hand, magic can inform psychology, with particular benefits for the cognitive, social, developmental, and transcultural components of behavioural science. Magicians have a large and robust set of effects that most researchers rarely exploit. Incorporating these effects into existing experimental, even clinical, paradigms paves the road to innovative trajectories in the study of human behaviour. For example, magic provides an elegant way to study the behaviour of participants who may believe they had made choices that they actually did not make. Moreover, magic fosters a more ecological approach to experimentation whereby scientists can probe

participants in more natural environments compared to the traditional lab-based settings. Examining how magicians consistently influence spectators, for example, can elucidate important aspects in the study of persuasion, trust, decision-making, and even processes spanning authorship and agency. Magic thus offers a largely underused armamentarium for the behavioural scientist and clinician. On the other hand, psychological science can advance the art of magic. The psychology of deception, a relatively understudied field, explores the intentional creation of false beliefs and how people often go wrong. Understanding how to methodically exploit the tenuous twilight zone of human vulnerabilities – perceptual, logical, emotional, and temporal – becomes all the more revealing when top-down influences, including expectation, symbolic thinking, and framing, join the fray. Over the years, science has permitted magicians to concoct increasingly effective routines and to elicit heightened feelings of wonder from audiences. Furthermore, on occasion science leads to the creation of novel effects, or the refinement of existing ones, based on systematic methods. For example, by simulating a specific card routine using a series of computer stimuli, researchers have decomposed the effect to assess its essential elements. Other magic effects depend on meaningful psychological knowledge, such as which type of information is difficult to retain or what changes capture attention. Behavioural scientists measure and study these factors. By combining analytical findings with performer intuitions, psychological science begets effective magic. Whereas science strives on parsimony and independent replication of results, magic thrives on reproducing the same effect with multiple methods to obscure parsimony and minimise detection. This Research Topic explores the seemingly orthogonal approaches of scientists and magicians by highlighting the crosstalk as well as rapprochement between psychological science and the art of deception.