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# Questioning authority: new perspectives on Milgram's 'obedience' research and its implications for intergroup relations

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Traditionally, Milgram's 'obedience' studies have been used to propose that 'ordinary people' are capable of inflicting great harm on outgroup members because they are predisposed to follow orders. According to this account, people focus so much on being good followers that they become unaware of the consequences of their actions. Atrocity is thus seen to derive from inattention. However recent work in psychology, together with historical reassessments of Nazi perpetrators, questions this analysis. In particular, forensic re-examination of Milgram's own findings, allied to new psychological and historical research, supports an 'engaged follower' analysis in which the behaviour of perpetrators is understood to derive from identification with, and commitment to, an ingroup cause that is believed to be noble and worthwhile.

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Stanley Milgram's 'obedience to authority' studies are among the best known in psychology. These centre on variants of a paradigm in which participants are given the role of 'Teacher' in a learning experiment and are asked by an Experimenter to administer electric shocks of increasing magnitude to a 'Learner' when he makes an error on a memory task [1]. Unknown to the Teacher, the Learner is a confederate, the shocks are not real, and the study is not an investigation of learning but rather of people's willingness to inflict harm on a stranger simply because they are asked to by someone in authority.

In the 'baseline' version of the paradigm 65% of people were willing to administer the maximum level of shock (450v). Milgram [2] saw this as clear support for Arendt's [3] 'banality of evil' thesis, arguing that tyranny and other

forms of toxic intergroup relations are perpetuated by followers — such as the Nazi bureaucrat Adolf Eichmann — who submit thoughtlessly to the command of those in authority.

As a recent review [4•] confirms, this analysis has been widely reproduced in psychology textbooks. It has also influenced the wider culture through television re-enactments [5] and a feature film [6] — both of which remain largely faithful to Milgram's narrative [7].

Interest in Milgram's work has never been greater, as gauged by citations [8•] and also by recent special issues of *American Psychologist* [5], *The Psychologist* [9], the *Journal of Social Issues* [10], and *Theory and Psychology* [11]. However, this has led to increased scrutiny of Milgram's own findings (not least as a result of access to the archive at Yale University; see [12]) and also to the development of new, ethically acceptable, variants of the Milgram paradigm (e.g. [5]) that have yielded new findings.

## Questioning Milgram's findings

As a result of recent scrutiny researchers have become increasingly uneasy about the received representation of Milgram's research. Some reject his work in its entirety, either on grounds that it is akin to torture [13,14] or else on grounds that he fundamentally misrepresented his findings [15•]. Perry [16], in particular, argues that Milgram failed to report various ways in which participants were 'steered' to obey and that he also suppressed certain variants of his study in which participants failed to obey (see also [17,18]). Others have shown how a variety of factors that were not reported in the methods sections of Milgram's papers were critical to the outcomes. These include the rhetoric of the Experimenter who used unscripted language to reassure ambivalent participants [19], the institutional apparatus of Yale University [20•], and even the design of the shock machine [21•,22]. When it came to representing his findings in the film *Obedience*, Milgram clearly also used selective editing to foreground conformity and downplay resistance [23–25].

These various contributions make it clear that uncritical reproduction of Milgram's studies is no longer warranted. Nevertheless, it is doubtful that they undermine his contribution entirely. First, much of the criticism comes from re-analyses of material in the Milgram archive [e.g. [26•]] — the very existence of which suggests Milgram's

primary concern was not to conceal or deceive. Second, while recent research has identified new factors of relevance to the question of why (and when) people obey toxic instructions, it does not fundamentally challenge the idea that the effects Milgram uncovered were real. This is particularly true in the case of multiple conceptual replications that adapt his paradigm to make it compliant with contemporary ethical standards but which use the same basic structure of escalating harmful acts towards a victim [27,28–31]. All of these studies reproduce obedience-like effects. At the same time, though, they raise important questions: first, about the extent to which people obey or disobey instructions to harm victims; second, about the reasons why people do (and do not) obey.

### Questioning Milgram's analysis

Even amongst those who most admire Milgram for his demonstration that ordinary people can harm outgroup members under the instruction of authority, there has long been doubt concerning his explanation as to why this happens (e.g. [12]). Not least, this is because the drama of the studies — which plays a major part in their impact [24] — lies precisely in the fact that participants do not ignore the Learner's screams and calmly go along with the Experimenter. Instead they are clearly torn between two incompatible appeals.

Moreover, even when participants do ultimately decide to heed the Experimenter, it is questionable whether it is accurate to characterise such behaviour as 'obedience' [32]. If participants' primary motivation were indeed to follow orders (i.e., to obey), then clearer orders would increase their willingness to administer shocks. Yet when one looks at participant behaviour what one sees is the very opposite. This is evidenced most clearly in responses to the prods that the Experimenter gives in the face of non-compliance. These start with a polite request (Prod 1: 'Please continue') and become increasingly forceful and order-like (culminating in Prod 4: 'You have no choice, you must continue'). However, both Milgram's own studies and conceptual replications [27,33] show that the more the prod resembles an order, the *less* likely participants are to comply.

Instead, then, of orders producing obedience, compliance is highest when the Experimenter enjoins participants to continue for the sake of the experiment — that is, when people are invited to cooperate in a joint enterprise rather than succumb to the will of the Experimenter. Indeed, in his unpublished experimental notebooks, Milgram himself muses as to whether 'cooperation' is a better term than 'obedience' to characterise participants' behaviour in the studies [26\*\*]. Certainly, it appears that participants' continuation revolves around a positive and symmetrical relationship with the Experimenter [34\*\*,35] that involves loyalty, trust, helpfulness, and the fulfilment

of obligation [32]. Accordingly, it is specifically when this relationship is violated by the Experimenter's use of Prod 4 — in which he asserts himself over and against the participant — that acquiescence gives way to resistance [36].

### Questioning the historical relevance of Milgram's analysis

At the same time as psychologists have questioned Milgram's theoretical analysis, historians have questioned the relevance of this analysis to intergroup atrocities in history — notably the Holocaust [37,38\*,39]. In the case of Eichmann, forensic biographical examination [40\*,41\*] suggests he was motivated by passion for the Nazi cause and applied himself with zeal and initiative to the task of devising and implementing 'the Final Solution to the Jewish problem'. So when his superior, Himmler, vacillated on the question of deporting Jews in Hungary, Eichmann actually challenged (rather than obeyed) him [38\*].

More generally, Kershaw [42] argues that the dynamism of the Nazi state resulted precisely from the fact that its agents were not following orders, but were 'working towards the Führer' by acting creatively in ways they thought their leaders would want. Other analyses also suggest that perpetrators' claims that 'I was only following orders' do not withstand scrutiny of what they said and did at the time [43]. In sum, then, the idea that unthinking 'obedience to authority' was a defining feature of either the Nazi state or its supporters seems highly problematic [44]. Rather, it seems that perpetrators acted knowingly and even proudly on the basis that they were defending a noble — even virtuous — cause against insidious enemies [45,46]. More generally, it seems clear that toxic intergroup relations of this form are fuelled not by passive conformity but rather by active *engagement* [27\*,38\*].

### Making sense of Milgram: from blind obedience to engaged followership

Convergent evidence from both psychological and historical research shows that intergroup atrocities stem from an active and symmetrical (rather than a passive and subservient) relationship between perpetrators and authorities. This speaks to an alternative account of toxic compliance — particularly within the Milgram studies — in which perpetrators are understood to display *engaged followership* [34,35]. Derived from social identity theorising [47,48], this analysis argues that the willingness of participants to respond to the bidding of Milgram's Experimenter resulted from their identification with — and associated desire to support — his scientific leadership and goals as well as a *lack* of identification with the Learner. In other words, the effect is predicated upon an intergroup dynamic in which participants understand the Experimenter (but not the Learner) to be a prototypical

ingroup member and hence to be a meaningful source of *leadership* [36].

In line with this account, our experimental study of the effectiveness of various prods [27<sup>\*</sup>] found that it was the prod that appealed most directly to these goals (Prod 2: ‘The experiment requires that you continue’) that was most successful in convincing participants to continue. This analysis is also supported by archival and experimental evidence that the degree to which a given experimental variant encourages identification with the Experimenter and his goals (rather than with the Learner) is an extremely good predictor of participants’ willingness to continue to 450v [28,33] (see also [49]). For example, relative identification with the Experimenter is low when he is absent from the laboratory or when the Learner is in the same room, or when the Learner is a relative or friend of the Teacher [17,18]. Hence participants prove far less willing to inflict harm in these conditions.

The notion that Milgram’s participants were engaged followers is further confirmed — and extended — by analysis of materials in the Yale archive. These point to the lengths that Milgram went to (before, during and after the study) to induce identification with his scientific goals [21<sup>\*</sup>]. Furthermore, once Milgram explained the nobility of the enterprise (in terms of progressing human understanding), participants became reconciled to, and even enthusiastic about, the role they had played [26<sup>\*\*</sup>]. In the context of intergroup relations more broadly, this supports the argument that the more the ingroup cause is seen as virtuous, the easier it becomes to inflict harm on the outgroup in its name [50,51] — and to feel positive about doing so.

## Conclusions

According to traditional accounts, psychological and historical research converges in showing perpetrators of intergroup atrocities to be akin to mindless bureaucrats who blindly follow orders without thinking about what they are doing. Recent research confirms that there is indeed convergence between psychological and historical evidence — but around a very different story. This suggests that the real power of Milgram’s studies was to show how leaders, followers, and the institutions in which they are enmeshed can create worlds in which acts of cruelty against outgroups come to be seen as virtuous rather than vicious, and in which those who perpetrate them understand themselves to be heroes rather than villains. Critically, this occurs not because perpetrators are unaware that they are doing harm, but rather because they are convinced they are doing good.

## Conflict of interest statement

Nothing declared.

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## References and recommended reading

Papers of particular interest, published within the period of review, have been highlighted as:

- of special interest
- of outstanding interest

1. Milgram S: **Behavioral study of obedience**. *J Ab Soc Psychol* 1963, **67**:371-378.
2. Milgram S: *Obedience to Authority: An Experimental View*. Harper & Row; 1974.
3. Arendt H: *Eichmann in Jerusalem: A Report on the Banality of Evil*. Penguin; 1963.
4. Griggs RA, Whitehead GI: **Coverage of Milgram’s obedience experiments in social psychology textbooks: where have all the criticisms gone?** *Teach Psychol* 2015, **42**:315-322.  
Provides a comprehensive examination of textbook coverage of Milgram’s work — bemoaning the fact that most authors still reproduce the analysis that Milgram himself presented with very little reference to more recent scholarship.
5. Burger JM: **Replicating Milgram: would people still obey today?** *Am Psychol* 2009, **64**:1-11.  
Provides a comprehensive review of textbook coverage of the Milgram studies.
6. Almereyda M: *Experimenter*. Magnolia Pictures; 2015.
7. Reicher SD, Haslam SA: **Experimenter**. *Psychol Today* 2015. [www.psychologytoday.com/blog/sound-science-sound-policy/201510/experimenter](http://www.psychologytoday.com/blog/sound-science-sound-policy/201510/experimenter).
8. Reicher SD, Haslam SA, Miller AG: **What makes a person a perpetrator? The intellectual, moral, and methodological arguments for revisiting Milgram’s research on the influence of authority**. *J Soc Issues* 2014, **70**:393-408.  
Provides a review of recent research on Milgram-related research and examines the reasons for renewed interest in his work. This is also the Introduction for a special issue that contains insightful contributions from researchers in a broad range of fields — not just psychologists but also historians, political scientists and film scholars.
9. Haslam SA, Reicher SD, Sutton J: **The shock of the old: reconnecting with Milgram’s obedience studies, 50 years on**. *Psychologist (Special Section)* 2011, **24**:650-660.
10. Haslam SA, Reicher SD, Miller AG: **Milgram at 50: exploring the enduring relevance of psychology’s most famous studies**. *J Soc Issues (Special issue)* 2014, **70**:393-602.
11. Brannigan A, Nicholson I, Cherry F: **Unplugging the Milgram Machine**. *Theory Psychol (Special issue)* 2015, **25**:551-700.
12. Blass T: *The Man Who Shocked the World: The Life and Legacy of Stanley Milgram*. Basic Books; 2004.
13. Baumrind D: **Some thoughts on ethics of research: after reading Milgram’s ‘Behavioral Study of Obedience’**. *Am Psychol* 1964, **19**:421-423.
14. Nicholson I: **‘Torture at Yale’: experimental subjects, laboratory torment, and the ‘rehabilitation’ of Milgram’s ‘obedience to authority’**. *Theory Psychol* 2011, **21**:737-761.
15. Brannigan A, Nicholson I, Cherry F: **Introduction to the special issue: unplugging the Milgram machine**. *Theory Psychol* 2015, **25**:551-563.  
This article provides an overview of recent critiques of, and disaffection with, Milgram’s work. It also introduces a special issue in which a range of scholars vigorously pursue these various lines of attack on the Milgram legacy.
16. Perry G: *Behind The Shock Machine: The Untold Story of the Notorious Milgram Psychology Experiments*. Scribe Publications; 2011.

17. Rochat F, Blass T: **Milgram's unpublished obedience variation and its historical relevance.** *J Soc Issues* 2014, **70**:456-472.
18. Russell NJC: **Stanley Milgram's obedience to authority 'relationship' condition: some methodological and theoretical implications.** *Soc Sci* 2014, **3**:194-214.
19. Gibson S: **Discourse, defiance and rationality: 'Knowledge work' in the 'obedience' experiments.** *J Soc Issues* 2014, **70**:424-438.
20. Russell NJC: **The emergence of Milgram's bureaucratic machine.** *J Soc Issues* 2014, **70**:409-423.  
A broad-reaching analysis of the way in which various agencies (Yale University, The National Science Foundation, Milgram's research team) negotiated their involvement in Milgram's project so as to protect their interests but also make it possible.
21. Russell NJC: **Milgram's obedience to authority experiments: origins and early evolution.** *Br J Soc Psychol* 2011, **50**:146-162.  
Examines the development of various components of Milgram's studies, including the apparatus and protocols — showing how these were carefully honed in order to achieve his desired ends.
22. Oppenheimer M: **Designing obedience in the lab: Milgram's shock simulator and human factors engineering.** *Theory Psychol* 2014, **25**:599-621.
23. Millard K: **The window in the laboratory: Stanley Milgram as filmmaker.** *Psychologist* 2011, **24**:658-660.
24. Millard K: **Revisioning obedience: exploring the role of Milgram's skills as a film-maker in bringing his shocking narrative to life.** *J Soc Issues* 2014, **70**:439-455.  
Explores the evolution of Milgram's film *Obedience*, and the techniques that this employed to advance his core narrative. In particular, it examines how evidence of resistance was overlooked and downplayed.
25. Perry G: **Seeing is believing: the role of the film *Obedience* in shaping perceptions of Milgram's Obedience to Authority experiments.** *Theory Psychol* 2015, **25**:622-638.
26. Haslam SA, Reicher SD, Millard K, McDonald R: **Happy to have been of service: the Yale archive as a window into the engaged followership of participants in Milgram's 'obedience' experiments.** *Br J Soc Psychol* 2015, **54**:55-83.  
Examines the contents of Boxes 44 and 46 in the Milgram archive which contain (a) participants' responses to Milgram's debriefing and (b) Milgram's experimental notebooks. Analysis shows how participants' belief in the scientific importance of the research not only reconciled them to what they had done but also made them enthusiastic advocates for Milgram's project.
27. Haslam SA, Reicher SD, Birney: **M Nothing by mere authority: evidence that in an experimental analogue of the Milgram paradigm participants are motivated not by orders but by appeals to science.** *J Soc Issues* 2014, **70**:471-486.  
Provides a controlled examination of participants' responses to the prods used by Milgram's Experimenter — showing that these succeeded to the extent that they appeal to a shared interest in advancing science, but fail if they take the form of an order.
28. Haslam SA, Reicher SD, Millard K: **Shock treatment: using immersive digital realism to restage and re-examine Milgram's 'Obedience to Authority' research.** *PLoS ONE* 2015, **10**:e109015.
29. Martens A, Kosloff S, Greenberg J, Landau MJ, Schmader T: **Killing begets killing: evidence from a bug-killing paradigm that initial killing fuels subsequent killing.** *Pers Soc Psych Bull* 2007, **33**:1251-1264.
30. Navarick DJ: **Reviving the Milgram paradigm in the era of informed consent.** *Psych Record* 2009, **59**:155-170.
31. Slater M, Antley A, Davison A, Swapp D, Guger C *et al.*: **A virtual reprise of the Stanley Milgram obedience experiments.** *PLoS ONE* 2006, **1**:e39.
32. Lutsky N: **When is 'obedience' obedience? Conceptual and historical commentary.** *J Soc Issues* 1995, **51**:55-65.
33. Burger JM, Girgis ZM, Manning CM: **In their own words: explaining obedience to authority through an examination of participants' comments.** *Soc Psychol Personal Sci* 2011, **2**:460-466.
34. Reicher SD, Haslam SA, Smith JR: **Working toward the experimenter: reconceptualising obedience within the Milgram paradigm as identification-based followership.** *Perspect Psychol Sci* 2012, **7**:315-324.  
Explores and provides empirical support for the claim that participants' behaviour in Milgram's studies is predicted by identification with the Experimenter (rather than with the Learner).
35. Haslam SA, Reicher SD: **Contesting the 'nature' of conformity: what Milgram and Zimbardo's studies really show.** *PLoS Biol* 2012, **10**:e1001426.
36. Haslam SA, Reicher SD, Platow MJ: *The New Psychology of Leadership: Identity, Influence and Power.* Psychology Press; 2011.
37. Haslam SA, Reicher SD: **Beyond the banality of evil: three dynamics of an interactionist social psychology of tyranny.** *Pers Soc Psychol B* 2007, **33**:615-622.
38. Overy R: **"Ordinary men," extraordinary circumstances: historians, social psychology, and the Holocaust.** *J Soc Issues* 2014, **70**:515-530.  
A considered and nuanced assessment of the relationship between Milgram's work and the Holocaust informed by recent historical research.
39. Lozowick Y: *Hitler's Bureaucrats: The Nazi Security Police and the Banality of Evil (H. Watzman, Trans).* Continuum; 2002.
40. Cesarani D: *Eichmann: His Life and Crimes.* Heinemann; 2004.  
A thoroughgoing biography of Eichmann that presents detailed evidence of Eichmann's commitment to the Nazi cause and takes issue with the way his crimes have typically been represented by psychologists and historians.
41. Stagneth B: *Eichmann Before Jerusalem: The Unexamined Life of a Mass Murderer.* Random House; 2014.  
Provides an examination of Eichmann's life before his trial for crimes against humanity — challenging suggestions that his contribution and commitment to the Nazi cause was unthinking or banal.
42. Kershaw I: **Working towards the Führer: reflections on the nature of the Hitler dictatorship.** *Contemp Eur Hist* 1993, **2**:103-108.
43. Neitzel S, Welzer H, Soldaten: *On Fighting, Killing and Dying: The Secret Second World War tapes of German POWs.* Simon and Schuster; 2012.
44. Miller AG: **Constructions of the obedience experiments: a focus upon domains of relevance.** *J Soc Issues* 1995, **51**:33-53.
45. Koonz C: *The Nazi Conscience.* Harvard University Press; 2005.
46. Herf J: *The Jewish Enemy.* Harvard University Press; 2008.
47. Reicher SD, Haslam SA: **After shock? Towards a social identity explanation of the Milgram 'obedience' studies.** *Br J Soc Psychol* 2011, **50**:163-169.
48. Turner JC: *Social Influence.* Open University Press; 1991.
49. Haslam N, Loughnan S, Perry G: **Meta-Milgram: an empirical synthesis of the obedience experiments.** *PLoS ONE* 2014, **9**:e93927.
50. Reicher SD, Hopkins N, Levine M, Rath R: **Entrepreneurs of hate and entrepreneurs of solidarity: social identity as a basis for mass communication.** *Int Rev Red Cross* 2006, **87**:621-637.
51. Reicher SD, Haslam SA, Rath R: **Making a virtue of evil: a five step model of the development of collective hate.** *Soc Psych Person Compass* 2008, **2**:1313-1344.