

5-10-2006

Looking Deathworthy: Perceived Stereotypicality of Black Defendants Predicts Capital-Sentencing Outcomes

Jennifer L. Eberhardt
Stanford University, jle@psych.stanford.edu

P G. Davies
UCLA, davies@psych.ucla.edu

Valerie J. Purdie-Vaughns
Yale University, valerie.purdie@yale.edu

Sheri Lynn Johnson
Cornell University Law School, slj8@cornell.edu

Follow this and additional works at: http://scholarship.law.cornell.edu/l srp_papers

 Part of the [Criminal Law Commons](#)

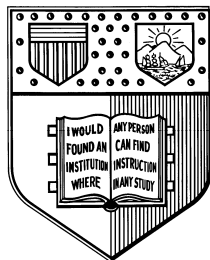
Recommended Citation

Eberhardt, Jennifer L.; Davies, P G.; Purdie-Vaughns, Valerie J.; and Johnson, Sheri Lynn, "Looking Deathworthy: Perceived Stereotypicality of Black Defendants Predicts Capital-Sentencing Outcomes" (2006). *Cornell Law Faculty Publications*. Paper 41.
http://scholarship.law.cornell.edu/l srp_papers/41

This Article is brought to you for free and open access by Scholarship@Cornell Law: A Digital Repository. It has been accepted for inclusion in Cornell Law Faculty Publications by an authorized administrator of Scholarship@Cornell Law: A Digital Repository. For more information, please contact jmp8@cornell.edu.

CORNELL LAW SCHOOL

LEGAL STUDIES RESEARCH PAPER SERIES



Looking Deathworthy: Perceived Stereotypicality of Black Defendants Predicts Capital-Sentencing Outcomes

**Jennifer L. Eberhardt, Paul G. Davies, Valerie J.
Purdie-Vaughns, and Sheri Lynn Johnson**

Cornell Law School
Myron Taylor Hall
Ithaca, NY 14853-4901

Cornell Law School research paper No. 06-012

This paper can be downloaded without charge from:
The Social Science Research Network Electronic Paper Collection:
<http://ssrn.com/abstract=901453>

Research Report

Looking Deathworthy

Perceived Stereotypicality of Black Defendants Predicts Capital-Sentencing Outcomes

Jennifer L. Eberhardt,¹ Paul G. Davies,² Valerie J. Purdie-Vaughns,³ and Sheri Lynn Johnson⁴¹Department of Psychology, Stanford University; ²Department of Psychology, University of California, Los Angeles;³Department of Psychology, Yale University; and ⁴Cornell Law School

ABSTRACT—*Researchers previously have investigated the role of race in capital sentencing, and in particular, whether the race of the defendant or victim influences the likelihood of a death sentence. In the present study, we examined whether the likelihood of being sentenced to death is influenced by the degree to which a Black defendant is perceived to have a stereotypically Black appearance. Controlling for a wide array of factors, we found that in cases involving a White victim, the more stereotypically Black a defendant is perceived to be, the more likely that person is to be sentenced to death.*

Race matters in capital punishment. Even when statistically controlling for a wide variety of nonracial factors that may influence sentencing, numerous researchers have found that murderers of White victims are more likely than murderers of Black victims to be sentenced to death (Baldus, Pulaski, & Woodworth, 1983; Baldus, Woodworth, & Pulaski, 1985, 1990, 1994; Baldus, Woodworth, Zuckerman, Weiner, & Broffitt, 1998; Bowers, Pierce, & McDevitt, 1984; Gross & Mauro, 1989; Radelet, 1981; U.S. General Accounting Office, GAO, 1990). The U.S. GAO (1990) has described this race-of-victim effect as “remarkably consistent across data sets, states, data collection methods, and analytic techniques” (p. 5).

In one of the most comprehensive studies to date, the race of the victim and the race of the defendant each were found to influence sentencing (Baldus et al., 1998). Not only did killing a White person rather than a Black person increase the likelihood of being sentenced to death, but also Black defendants were more likely than White defendants to be sentenced to death.

In the current research, we used the data set from this study by Baldus and his colleagues (1998) to investigate whether the probability of receiving the death penalty is significantly influenced by

the degree to which the defendant is perceived to have a stereotypically Black appearance (e.g., broad nose, thick lips, dark skin). In particular, we considered the effect of a Black defendant’s perceived stereotypicality for those cases in which race is most salient—when a Black defendant is charged with murdering a White victim. Although systematic studies of death sentencing have been conducted for decades, no prior studies have examined this potential influence of physical appearance on death-sentencing decisions.

A growing body of research demonstrates that people more readily apply racial stereotypes to Blacks who are thought to look more stereotypically Black, compared with Blacks who are thought to look less stereotypically Black (Blair, Judd, & Fallman, 2004; Blair, Judd, Sadler, & Jenkins, 2002; Eberhardt, Goff, Purdie, & Davies, 2004; Maddox, 2004; Maddox & Gray, 2002, 2004). People associate Black physical traits with criminality in particular. The more stereotypically Black a person’s physical traits appear to be, the more criminal that person is perceived to be (Eberhardt et al., 2004). A recent study found that perceived stereotypicality correlated with the actual sentencing decisions of judges (Blair, Judd, & Chapleau, 2004). Even with differences in defendants’ criminal histories statistically controlled, those defendants who possessed the most stereotypically Black facial features served up to 8 months longer in prison for felonies than defendants who possessed the least stereotypically Black features. The present study examined the extent to which perceived stereotypicality of Black defendants influenced jurors’ death-sentencing decisions in cases with both White and Black victims. We argue that only in death-eligible cases involving White victims—cases in which race is most salient—will Black defendants’ physical traits function as a significant determinant of deathworthiness.

PHASE I: BLACK DEFENDANT, WHITE VICTIM

Method

We used an extensive database (compiled by Baldus et al., 1998) containing more than 600 death-eligible cases from Philadel-

Address correspondence to Jennifer L. Eberhardt, Department of Psychology, Stanford University, Jordan Hall, Building 420, Stanford, CA 94305-2130, e-mail: jle@psych.stanford.edu.

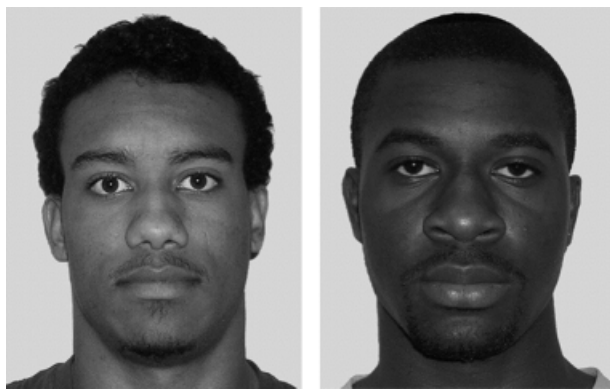


Fig. 1. Examples of variation in stereotypicality of Black faces. These images are the faces of people with no criminal history and are shown here for illustrative purposes only. The face on the right would be considered more stereotypically Black than the face on the left.

phia, Pennsylvania, that advanced to penalty phase between 1979 and 1999. Forty-four of these cases involved Black male defendants who were convicted of murdering White victims. We obtained the photographs of these Black defendants and presented all 44 of them (in a slide-show format) to naive raters who did not know that the photographs depicted convicted murderers. Raters were asked to rate the stereotypicality of each Black defendant's appearance and were told they could use any number of features (e.g., lips, nose, hair texture, skin tone) to arrive at their judgments (Fig. 1).

Stanford undergraduates served as the raters. To control for potential order effects, we presented the photographs in a different random order in each of two sessions. Thirty-two raters (26 White, 4 Asian, and 2 of other ethnicities) participated in one session, and 19 raters (6 White, 11 Asian, and 2 of other ethnicities) participated in the second session. The raters were shown a black-and-white photograph of each defendant's face. The photographs were edited such that the backgrounds and image sizes were standardized, and only the face and a portion of the neck were visible. Raters were told that all the faces they would be viewing were of Black males. The defendants' faces were projected one at a time onto a screen at the front of the room for 4 s each as participants recorded stereotypicality ratings using a scale from 1 (*not at all stereotypical*) to 11 (*extremely stereotypical*). In both sessions, raters were kept blind to the purpose of the study and the identity of the men in the photographs. The data were analyzed for effects of order and rater's race, but none emerged.

Results

We computed an analysis of covariance (ANCOVA) using stereotypicality (low-high median split) as the independent variable, the percentage of death sentences imposed as the dependent variable, and six nonracial factors known to influence sentencing (Baldus et al., 1998; Landy & Aronson, 1969; Stew-

art, 1980) as covariates: (a) aggravating circumstances, (b) mitigating circumstances, (c) severity of the murder (as determined by blind ratings of the cases once purged of racial information), (d) the defendant's socioeconomic status, (e) the victim's socioeconomic status, and (f) the defendant's attractiveness.¹ As per Pennsylvania statute (Judiciary and Judicial Procedure, 2005), aggravating circumstances included factors such as the victim's status as a police officer, prosecution witness, or drug-trafficking competitor; the defendant's prior convictions for voluntary manslaughter or violent felonies; and characteristics of the crime, such as torture, kidnapping, or payment for the murder. Mitigating circumstances included factors such as the defendant's youth or advanced age, extreme mental or emotional disturbance, lack of prior criminal convictions, minor or coerced role in the crime, and impaired ability to appreciate the criminality of his conduct. The Baldus database of death-eligible defendants is arguably one of the most comprehensive to date; using it allowed us to control for the key variables known to influence sentencing outcomes.

The results confirmed that, above and beyond the effects of the covariates, defendants whose appearance was perceived as more stereotypically Black were more likely to receive a death sentence than defendants whose appearance was perceived as less stereotypically Black, $F(1, 36) = 4.11, p < .05, \eta_p^2 = .10$ (Fig. 2a). In fact, 24.4% of those Black defendants who fell in the lower half of the stereotypicality distribution received a death sentence, whereas 57.5% of those Black defendants who fell in the upper half received a death sentence.

PHASE II: BLACK DEFENDANT, BLACK VICTIM

Method

Using the same database and procedures described earlier, we examined whether this stereotypicality effect extended to cases in which the victims were Black. Of all cases that advanced to penalty phase, 308 involved Black male defendants who were convicted of murdering Black victims. The photographs for all of these defendants were obtained. The death-sentencing rate for these 308 defendants, however, was only 27% (as compared with 41% for the cases with White victims). Given both the low death-sentencing rate and the large number of cases involving Black defendants and Black victims, we selected 118 of these 308 cases randomly from the database with the stipulation that those defendants receiving the death sentence be oversampled. This oversampling yielded a subset of cases in which the death-sentencing rate (46%) was not significantly different from that for the cases with White victims (41%; $F = 1$). Using this subset provided a conservative test of our hypothesis. We then pre-

¹With the exception of defendant's attractiveness, all of the covariates employed here were included in the Baldus database and have been described in detail elsewhere (e.g., see Baldus et al., 1998). We added defendant's attractiveness, basing this variable on 42 naive participants' ratings of the defendants' faces using a scale from 1 (*not at all attractive*) to 11 (*extremely attractive*).

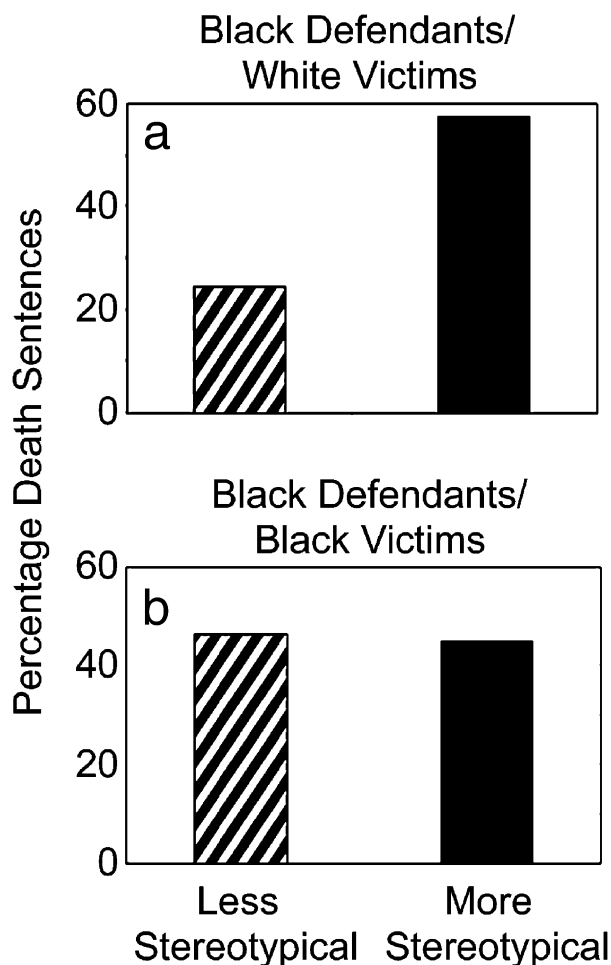


Fig. 2. Percentage of death sentences imposed in (a) cases involving White victims and (b) cases involving Black victims as a function of the perceived stereotypicality of Black defendants' appearance.

sented this subset of Black defendants who murdered Black victims to 18 raters (12 White and 6 Asian), who rated the faces on stereotypicality.²

Results

Employing the same analyses as we did for the cases with White victims, we found that the perceived stereotypicality of Black defendants convicted of murdering Black victims did not predict death sentencing, $F(1, 110) < 1$ (Fig. 2b). Black defendants who fell in the upper and lower halves of the stereotypicality distribution were sentenced to death at almost identical rates (45% vs. 46.6%, respectively). Thus, defendants who were perceived to be more stereotypically Black were more likely to be sentenced to death only when their victims were White.

Although the two phases of this experiment were designed and conducted separately, readers may be interested in knowing whether combining the data from the two phases would produce

a significant interactive effect of victims' race and defendants' stereotypicality on death-sentencing outcomes. Analysis confirmed that the interaction of victims' race (Black vs. White) and defendants' stereotypicality (low vs. high) was indeed significant, $F(1, 158) = 4.97, p < .05, \eta_p^2 = .03$.

DISCUSSION

Why might a defendant's perceived stereotypicality matter for Black murderers of White victims, but not for Black murderers of Black victims? One possibility is that the interracial character of cases involving a Black defendant and a White victim renders race especially salient. Such crimes could be interpreted or treated as matters of intergroup conflict (Prentice & Miller, 1999). The salience of race may incline jurors to think about race as a relevant and useful heuristic for determining the blameworthiness of the defendant and the perniciousness of the crime. According to this racial-salience hypothesis, defendants' perceived stereotypicality should not influence death-sentencing outcomes in cases involving a Black defendant and a Black victim. In those cases, the intraracial character of the crime may lead jurors to view the crime as a matter of interpersonal rather than intergroup conflict (Prentice & Miller, 1999).

These research findings augment and complicate the current body of evidence regarding the role of race in capital sentencing. Whereas previous studies examined intergroup differences in death-sentencing outcomes, our results suggest that racial discrimination may also operate through intragroup distinctions based on perceived racial stereotypicality.

Our findings suggest that in cases involving a Black defendant and a White victim—cases in which the likelihood of the death penalty is already high—jurors are influenced not simply by the knowledge that the defendant is Black, but also by the extent to which the defendant appears stereotypically Black. In fact, for those defendants who fell in the top half as opposed to the bottom half of the stereotypicality distribution, the chance of receiving a death sentence more than doubled. Previous laboratory research has already shown that people associate Black physical traits with criminality (Eberhardt et al., 2004). The present research demonstrates that in actual sentencing decisions, jurors may treat these traits as powerful cues to deathworthiness.

Acknowledgments—The authors thank R. Richard Banks, Hazel Markus, Claude Steele, and Robert Zajonc for comments on a draft of this article and Hilary Bergsieker for preparation of the manuscript. This research was supported by a Stanford Center for Social Innovation Grant and by National Science Foundation Grant BCS-9986128 awarded to J.L. Eberhardt.

REFERENCES

²Faces of 15 of the Black defendants who murdered White victims were repeated in this session. Analysis of the ratings confirmed interrater reliability.

Baldus, D.C., Pulaski, C.A., & Woodworth, G. (1983). Comparative review of death sentences: An empirical study of the Georgia

- experience. *Journal of Criminal Law and Criminology*, 74, 661–753.
- Baldus, D.C., Woodworth, G., & Pulaski, C.A. (1985). Monitoring and evaluating contemporary death sentencing systems: Lessons from Georgia. *U. C. Davis Law Review*, 18, 1375–1407.
- Baldus, D.C., Woodworth, G., & Pulaski, C.A. (1990). *Equal justice and the death penalty: A legal and empirical analysis*. Boston: Northeastern University Press.
- Baldus, D.C., Woodworth, G., & Pulaski, C.A. (1994). Reflections on the “inevitability” of racial discrimination in capital sentencing and the “impossibility” of its prevention, detection, and correction. *Washington and Lee Law Review*, 51, 359–419.
- Baldus, D.C., Woodworth, G., Zuckerman, D., Weiner, N.A., & Broffitt, B. (1998). Racial discrimination and the death penalty in the post-Furman era: An empirical and legal overview, with recent findings from Philadelphia. *Cornell Law Review*, 83, 1638–1770.
- Blair, I.V., Judd, C.M., & Chapleau, K.M. (2004). The influence of Afrocentric facial features in criminal sentencing. *Psychological Science*, 15, 674–679.
- Blair, I.V., Judd, C.M., & Fallman, J.L. (2004). The automaticity of race and Afrocentric facial features in social judgments. *Journal of Personality and Social Psychology*, 87, 763–778.
- Blair, I.V., Judd, C.M., Sadler, M.S., & Jenkins, C. (2002). The role of Afrocentric features in person perception: Judging by features and categories. *Journal of Personality and Social Psychology*, 83, 5–25.
- Bowers, W.J., Pierce, G.L., & McDevitt, J.F. (1984). *Legal homicide: Death as punishment in America, 1864–1982*. Boston: Northeastern University Press.
- Eberhardt, J.L., Goff, P.A., Purdie, V.J., & Davies, P.G. (2004). Seeing Black: Race, crime, and visual processing. *Journal of Personality and Social Psychology*, 87, 876–893.
- Gross, S.R., & Mauro, R. (1989). *Death and discrimination: Racial disparities in capital sentencing*. Boston: Northeastern University Press.
- Judiciary and Judicial Procedure, 42 Pa. Cons. Stat. § 9711 (2005).
- Landy, D., & Aronson, E. (1969). The influence of the character of the criminal and his victim on the decisions of simulated jurors. *Journal of Experimental Social Psychology*, 5, 141–152.
- Maddox, K.B. (2004). Perspectives on racial phenotypicality bias. *Personality and Social Psychology Review*, 8, 383–401.
- Maddox, K.B., & Gray, S.A. (2002). Cognitive representations of Black Americans: Reexploring the role of skin tone. *Personality and Social Psychology Bulletin*, 28, 250–259.
- Maddox, K.B., & Gray, S.A. (2004). Manipulating subcategory salience: Exploring the link between skin tone and social perception of Blacks. *European Journal of Social Psychology*, 34, 533–546.
- Prentice, D.A., & Miller, D.T. (Eds.). (1999). *Cultural divides: Understanding and overcoming group conflict*. New York: Russell Sage Foundation.
- Radelet, M.L. (1981). Racial characteristics and the imposition of the death penalty. *American Sociological Review*, 46, 918–927.
- Stewart, J.E. (1980). Defendant’s attractiveness as a factor in the outcome of criminal trials: An observational study. *Journal of Applied Social Psychology*, 10, 348–361.
- U.S. General Accounting Office. (1990). *Death penalty sentencing: Research indicates pattern of racial disparities*. Washington, DC: Author.

(RECEIVED 7/27/05; REVISION ACCEPTED 10/20/05;
FINAL MATERIALS RECEIVED 11/9/05)