README File for Replication Package

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Shocking Racial Attitudes: Black G.I.s in Europe

1. What is included in this package?

   This replication package includes

   - Stata .do files to replicate the output displayed in all tables of the main paper and the online appendix.
   - .R files to replicate all figures of the main paper and the online appendix.
   - The output for all figures displayed in the main text.
   - The original data files (.dta and .RData) to replicate all analyses in the main paper and the online appendix apart from the data for sections 6.2, 6.3, and 7.2, as well as Online Appendix table A20.
   - For sections 6.2, 6.3, and 7.2, as well as Online Appendix Table A20, this package includes the .do file and all auxiliary .dta files needed to construct the data. The main data needed and how to obtain it is described below.

   A detailed description of all data sets can be found in Online Appendix B.

2. How to use it?

   All files use relative paths. Initially set the working directory to the /Data folder and then the entire code of all .do and .R files should execute.

   Files were last executed on Stata version 15.1 and R version 3.6.1.

   Stata requires package *psacalc*, which can be installed by executing the following command line: *net install psacalc.pkg*

   R requires the following packages, to be installed by executing *install.packages("")*: *data.table, dplyr, extrafont, foreign, fuzzyjoin, ggplot2, grid, gridExtra, gtable, haven, likert, magrittr, maptools, MatchIt, memisc, plyr, raster, readr, readxl, rgdal, rgeos, scales, sp, svglite, tidyr, tikzDevice*

   Stata/Replication File.do generates the output displayed in the tables of the main text and the online appendix. Simply execute. Comments in the file inform you to which table the generated output belongs (these are Tables 1 – 8, Online Appendix Tables A1-A20).

   Stata/Figure A13 – Unit Deployment Over Time.do generates Online Appendix Figure A13. All other figures are generated in R. Simply execute.

   Stata/Build IAT Replication File.do builds the final data set needed for the analyses in sections 6.2, 6.3, 7.2, as well as Online Appendix Table A20 (Xu et al. 2014). This file will only

execute without error if the IAT data set is present. How to obtain this data set is described below.

R/Figure 01 – Troop Buildup.R creates Figure 1 of the main text. Simply execute.

R/Figure 02 and 03 – Opinion Changes.R creates Figures 2 and 3 of the main text. Simply execute.

R/Figure 04 – Variation in Black Units.R creates Figure 4 of the main text. Simply execute.

R/Figure 05 – BNP Opinions.R creates Figure 5 of the main text. Simply execute.

R/Appendix Figures.R creates all figures of the online appendix. Simply execute. Comments in the file inform you which figure is being generated.

Data/Army_Survey.dta contains responses from Army Survey used for creating Online Appendix Table A3. Source: Stouffer (1944).

Data/Locations.dta contains all army base locations and their characteristics. This is used to generate the balancing table (Table 1). Combines multiple data sources, in particular Field (2007), GIS (2017a), GIS (2017b), National Archives (1953), National Library of Scotland (1946), PHM (n.d.), Network Rail (2016), Southall et al. (2004).

Data/R Data.RData contains all data needed to reproduce the figures in the main text and the online appendix. Combines multiple data sources, in particular Biggs and Knauss (2011), Census (n.d.), Field (2007), GIS (2017a), GIS (2017b), Goodwin & Evans (2012), National Archives (1953), National Archives (2002), National Library of Scotland (1946), PHM (n.d.), Network Rail (2016), Southall et al. (2004).

Data/Troops_LocationChanges.dta contains data on the frequency of locations troops were posted at. It is used to create Online Appendix Table A6. Source: National Archives (1953).

Data/Troops_Types.dta contains all units and their type. It is needed to create Online Appendix Table A5. Source: National Archives (1953).

Data/UKBNP.dta contains the BNP membership data and all covariates at the output area level. It is used for estimating the effect of troop deployment on BNP membership. Combines multiple data sources, in particular Biggs and Knauss (2011), Census (n.d.), Field (2007), GIS (2017a), GIS (2017b), National Archives (1953), National Library of Scotland (1946), PHM (n.d.), Network Rail (2016), Southall et al. (2004).

Data/UKBNP_full.dta contains the BNP membership data for all census output areas (even those not in our sample). It is needed to compute summary statistics in Online Appendix Table A2. Source: Provided by Biggs and Knauss (2011).

Data/UKBNP_opinions.dta contains attitudes towards migration, the presence of BNP members and covariates. It is used to create Online Appendix Table A11. Combines multiple data sources, in particular Biggs and Knauss (2011) & Hanretty and Vivian (n.d.).

Data/UKBNP_Postcode.dta contains the BNP membership data and all covariates at the postcode district level. It is used for creating Online Appendix Table A12. Combines multiple data sources, in particular Biggs and Knauss (2011), Field (2007), GIS (2017a), GIS (2017b),

National Archives (1953), National Library of Scotland (1946), PHM (n.d.), Network Rail (2016), Southall et al. (2004).

Data/UKGE.dta contains general election data and covariates. It is needed to create Online Appendix Table A1. Combines multiple data sources, including GIS (2017a), GIS (2017b), National Archives (1953), National Library of Scotland (1946), PHM (n.d.), Politicsresources (2018), Network Rail (2016), Southall et al. (2004).

Data/UKLE.dta contains local election data and covariates. It is used for estimating the effect of troop deployment on electoral outcomes. Combines multiple data sources, in particular Elections Centre (2020), GIS (2017a), GIS (2017b), National Archives (1953), National Library of Scotland (1946), PHM (n.d.), Network Rail (2016), Southall et al. (2004).

Data/UKStaysWithGeographyAndUnitStatus.dta contains an overview of all units, their type and the location they were stationed. It is used to create Online Appendix Table A13. Combines multiple data sources, in particular National Archives (1953), GIS (2017a).

Data/IAT/1931LocalGovernmentDistricts.dta contains control variables at the 1931 local government district level. It is needed for constructing the data set for the IAT analysis. Source: GIS (2017a), GIS (2017b).

Data/IAT/1931Parishes.dta contains control variables at the 1931 parish level. It is needed for constructing the data set for the IAT analysis. Source: GIS (2017a), GIS (2017b).

Data/IAT/2011OAsDistances.dta contains control variables (distance measures) at the 2011 output area level. It is needed for constructing the data set for the IAT analysis. Source: ONS (2011).

Data/IAT/2011OAsRuralUrban.dta contains the urban rural status of the 2011 output area. It is needed for constructing the data set for the IAT analysis. Source: ONS (2011).

Data/IAT/OAsToGeography.dta is a look-up file to match different geographic entities (such as parishes, local government districts, etc.) to output areas. It is needed for constructing the data set for the IAT analysis. Combines multiple data sources, including ONS (2011), GIS (2017a).

Data/IAT/combined.dta contains control variables at the 2011 output area level. It is needed for constructing the data set for the IAT analysis. Combines multiple data sources, including ONS (2011), GIS (2017a).

Data/IAT/combined_lad.dta contains control variables at the 2011 local authority district level. It is needed for constructing the data set for the IAT analysis. Combines multiple data sources, including ONS (2011), GIS (2017a).

Data/IAT/postcodes.dta contains postcodes and their latitude and longitude. It is needed for constructing the data set for the IAT analysis. Source: ONS (2011).

Data/IAT/postcodes_to_oa_new.dta is a look-up file to match different geographic entities (such as output areas) to postcodes. It is needed for constructing the data set for the IAT analysis. Combines multiple data sources, including ONS (2011).

Data/IAT/StaySummaryByPostcode.dta contains the number of black and support units for each postcode district. It is needed for constructing the data set for the IAT analysis. Combines multiple data sources, in particular National Archives (1953) & ONS (2011).

3. List of tables and programs

Figure / Table #	Program	Line #	Output File	Note
Table 1	Stata/Replication File.do	10	Table1.tex	
Table 2	Stata/Replication File.do	47	Table2.tex	
Table 3	Stata/Replication File.do	71	Table3.tex	
Table 4	Stata/Replication File.do	131	Table4.tex	
Table 5	Stata/Replication File.do	148	Table5.tex	
Table 6	Stata/Replication File.do	171	Table6.tex	
Table 7	Stata/Replication File.do	192	Table7.tex	
Table 8	Stata/Replication File.do	246	Table8.tex	
Table A1	Stata/Replication File.do	286	TableA1.tex	
Table A2	Stata/Replication File.do	330	TableA2.tex	
Table A3	Stata/Replication File.do	348	TableA3.tex	
Table A4	N/A			This is not an output table
Table A5	Stata/Replication File.do	361	TableA5.tex	
Table A6	Stata/Replication File.do	374	TableA6.tex	
Table A7	Stata/Replication File.do	383	TableA7.tex	
Table A8	Stata/Replication File.do	417	TableA8.tex	
Table A9	Stata/Replication File.do	435	TableA9.tex	
Table A10	Stata/Replication File.do	453	TableA10.tex	
Table A11	Stata/Replication File.do	477	TableA11.tex	
Table A12	Stata/Replication File.do	487	TableA12.tex	
Table A13	Stata/Replication File.do	525	TableA13.tex	

Table A14	Stata/Replication File.do	545	TableA14.tex	
Table A15	Stata/Replication File.do	569	TableA15.tex	
Table A16	Stata/Replication File.do	586	TableA16.tex	
Table A17	Stata/Replication File.do	604	TableA17.tex	
Table A18	Stata/Replication File.do	624	TableA18.tex	
Table A19	Stata/Replication File.do	644	TableA19.tex	
Table A20	Stata/Replication File.do	667	TableA20.tex	
Figure 1	R/Figure 01 – Troop Buildup.R		TroopBuildUp.eps	
Figure 2	R/Figure 02 and 03 – Opinion Changes.R		changes_in_opinion_blacks.tex	
Figure 3	R/Figure 02 and 03 – Opinion Changes.R		changes_in_opinion_whites.tex	
Figure 4	R/Figure 04 – Variation in Black Units.R		share_of_support_units_black.eps	
Figure 5	R/Figure 05 – BNP Opinions.R		bnp_opinions.eps	
Figure A1	R/Appendix Figures.R	12	geo_decay.tex	
Figure A2	N/A		N/A	Source: Ruppenthal, R. G. (1978), p. 85.
Figure A3	R/Appendix Figures.R	31	black_education_new.tex	
Figure A4	R/Appendix Figures.R	66	black_troops_birth_states.tex	
Figure A5	R/Appendix Figures.R	99	contact_time_in_england.tex	
Figure A6	N/A		N/A	Source: Own photograph
Figure A7	R/Appendix Figures.R	150	map_troops_and_base_districts.png	
Figure A8	R/Appendix Figures.R	169	map_nonwhite_population.png	
Figure A9	R/Appendix Figures.R	192	BUM_std.png	
Figure A10	R/Appendix Figures.R	210	SUM_std.png	

Figure A11	R/Appendix Figures.R	227	BUM_std1.png – BUM_std15.png	
Figure A12	R/Appendix Figures.R	227	BUM_std15.png – BUM_std27.png	
Figure A13	Stata/Figure A13 – Unit Deployment Over Time.do		TroopBuildUp_White_Black.png	
Figure A14	R/Appendix Figures.R	256	map_bnp_members_and_branches.png	
Figure A15	R/Appendix Figures.R	274	new_houses.tex	
Figure A16	R/Appendix Figures.R	274	newspaper_housing.tex	
Figure A17	R/Appendix Figures.R	325	leave_one_out.tex	
Figure A18	R/Appendix Figures.R	345	permutation.tex	

4. How to access the data used? (Data availability statement)

All data needed to replicate the results displayed in this paper (and its online appendix), apart from sections 6.2, 6.3, 7.2 and Online Appendix Table A20, is available through Zenodo, at https://doi.org/10.5281/zenodo.3874665.

The data used in sections 6.2, 6.3, 7.2 and Online Appendix Table A20 is owned by a third party (Xu et al., 2014). In order to obtain the data, we contacted Frank Kaiyuan Xu (frank.kaiyuan.xu@gmail.com) from Project Implicit. After providing an IRB exemption, he shared the data with us. Researchers interested in the data should contact him or admin@projectimplicit.net and attach an IRB approval (or exemption) to obtain access. To replicate our findings, they will need to request all Race IAT's from the UK website between 2004 and 2013.

The sources for all data used (including hyperlinks where online available) are listed in Online Appendix B.

5. Citations for the data used

Biggs, M. and S. Knauss (2011). Explaining Membership in the British National Party: A Multilevel Analysis of Contact and Threat. European Sociological Review 28(5), 633–646.

Census (n.d.). "England and Wales Census, 1911." [Database] FamilySearch. http://FamilySearch.org: 14 June 2016. From "1911 England and Wales census." Database and images. Findmypast. http://www.findmypast.com: n.d. Citing PRO RG 14. The National Archives of the UK, Kew, Surrey.

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Field, W. (2007), British Electoral Data, 1885-1949. [data collection]. UK Data Service. SN: 5673. http://doi.org/10.5255/UKDA-SN-5673-1.

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GIS (2017b). 'Great Britain Historical GIS'. Parish and local-government statistics, 1921 and 1931. University of Portsmouth. http://www.visionofbritain.org.uk/

Goodwin, M. and J. Evans (2012). From voting to violence? Far-right extremism in Britain. Hope Not Hate, 1–36.

Hanretty, C., and N. Vivyan (n.d.) "Estimating Constituency Opinion in Britain, Technical Report."

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Network Rail (2016). Railway Network Inspire dataset. https://data.gov.uk/dataset/railway-network-inspire. Accessed April 2016.

Stouffer (1944). The American Soldier in World War II: Attitudes Toward the British, Apr, 1944 [dataset]. [USAMS1944-S122]. Directed by Dr. Samuel A. Stouffer for the Research Branch, Information and Education Division, War Department [producer]. Cornell University, Ithaca, NY: Roper Center for Public Opinion Research, RoperExpress

[distributor], accessed Nov-2-2017. Accessed online at
https://ropercenter.cornell.edu/CFIDE/cf/action/catalog/abstract.cfm?type=&start=&id=&archn
o=USAMS1944-S122

Southall, H.R., Auco., P., Dorling, D., Ell, P. (2004). Great Britain Historical
Database: Census Data: Age and Sex Statistics, 1851-1971. [data collection]. UK
Data Service. SN: 4551, http://doi.org/10.5255/UKDA-SN-4551-1.

Xu, K., B. Nosek, and A. G. Greenwald (2014). Psychology data from the race implicit
association test on the project implicit demo website. Journal of Open Psychology Data 2(1).