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Identifying barriers to Muslim integration in France

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Contributed by David D. Laitin, October 20, 2010 (sent for review May 21, 2010)

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Is there a Muslim disadvantage in economic integration for second-generation immigrants to Europe? Previous research has failed to isolate the effect that religion may have on an immigrant family’s labor market opportunities because other factors, such as country of origin or race, confound the result. This paper uses a correspondence test in the French labor market to identify and measure this religious effect. The results confirm that in the French labor market, anti-Muslim discrimination exists: a Muslim candidate is 2.5 times less likely to receive a job interview callback than is his or her Christian counterpart. A high-n survey reveals, consistent with expectations from the correspondence test, that second-generation Muslim households in France have lower income compared with matched Christian households. The paper thereby contributes to both substantive debates on the Muslim experience in Europe and methodological debates on how to measure discrimination. Following the National Academy of Sciences’ 2001 recommendations on combining a variety of methodologies and applying them to real-world situations, this research identifies, measures, and infers consequences of discrimination based on religious affiliation, controlling for potentially confounding factors, such as race and country of origin.

Social and political relations between Europe and the Muslim world are fractious (1, 2). Attacks in Madrid (March 2004) and London (July 2005) were perpetrated by Muslim radicals. Political parties in Europe have mobilized opinion against a Muslim threat. Relations between the countries and societies of the European Union and the Muslim world have become politically consequential on a number of dimensions: foreign policy in regard to the Middle East, membership into the European Union, and the vast migration of Muslim populations into European Union states.

Surprisingly, several recent studies have found that there are no special problems for Muslims in Europe. The Pew Global Attitudes Project poll of 2006 established that “while there are some signs of tension between Europe’s majority populations and its Muslim minorities, Muslims there do not generally believe that most Europeans are hostile toward people of their faith” (3). Furthermore, “[s]ubstantial majorities of Muslims living in the European countries surveyed say that [in the 2 years after bombings in Spain and London, and the Cartoon Crisis in Denmark (4)], they have not had any personally bad experience attributable to their race, ethnicity, or religion” (3, 5). More recently, the 2009 Open Society Institute multicountry study of Muslim and non-Muslim attitudes toward immigration and social cohesion reveals that Muslim respondents are as likely as non-Muslim respondents to report that people in their neighborhood are willing to help each other; only 10% of Muslim respondents reported discrimination by the police, and a similar proportion of Muslims (29.2%) and non-Muslims (31.1%) reported trust in the government (6).

At the same time, European states are defined by their historic nationalities, all of them in the Christian tradition, and are seen as having a special problem with Islam going back to the fall of Constantinople to the Ottomans and the reconquest of Spain in the 15th century. Thus, throughout the continent, there is a myth of a “Christian Europe” that is maintained despite its virtually complete secularization in the past century. It manifests itself in recent political events as well as in individual attitudes and perceptions of discrimination. Suspicions run high in the debate over the application of Turkey into the European Union (as opposed to Bulgaria) (7). Local issues, such as permits to build minarets in European cities or prohibitions on women wearing the burqa, transmogrify into continental causes célèbres. The 2009 Open Society Institute study paints a deteriorating picture of religious and racial discrimination: 55.8% of Muslim respondents and 43% of non-Muslim respondents, representing a plurality, claim that there is more racial prejudice today than there was 5 y ago; 68.7% of Muslim respondents and 55.9% of non-Muslim respondents make that claim with regard to religious prejudice, and more than 90% of both Muslim and non-Muslim respondents agree that Muslims are the ones experiencing this religious prejudice (6).

Thus, conventional wisdom points both to a cosmopolitan Europe open to Muslim immigrants and a closed Europe suspicious of these immigrants. Despite the sound and fury, the question of whether there is a special Muslim problem for Europe in general remains unclear. What is absent is a data-driven answer that can adequately identify and measure Muslims’ failure/success in economic integration into Europe.

The National Academies’ National Research Council’s Committee on National Statistics identified this problem on a broader scale when it convened a panel of scholars in 2001 to provide a comprehensive review of the major methods used to measure racial discrimination, including statistical analysis of observational data, laboratory experiments, and field experiments (8). Although the panel argued that no one method can solve all the troubling inferential problems for this notoriously complex issue, the difficulties of relying on observational data, including omitted


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2For example, the Front National in France, which runs an anti-European Union, antiglobalization, and anti-immigration platform, placed second in the presidential elections of 2002 and showed renewed strength in the regional elections of 2010.

3The Pew Research Center for the People and the Press is a public opinion research organization that studies attitudes toward politics, the press, and public policy issues. This and subsequent quotations can be found at the Pew Global Attitudes Project Web site (3).

4Cartoons in a Danish newspaper that depicted the prophet in an unflattering manner set off a wave of protests throughout the Islamic world as well as crystallizing anti-Muslim feelings, to the benefit of a right-wing party (the Danish People’s Party) that evokes anti-Muslim sentiments.

5Work by Laurence and Vaisse (5) in France reports similar results. Muslim immigrants, they find, are not all that different from the historic nationalities of European states. In general, they find that the degree of anti-Islamism in police-reported incidents in France is much lower than anti-Semitic ones, with a much larger Muslim population in France. Those who are Islamophobic tend also to be anti-Semitic and antiimmigrant in general. They conclude, at least for France, that there seems to be no specific anti-Islamic public feeling.

6This study (6) defines a Muslim as any respondent who self-identifies as Muslim, including Muslims who view themselves in a cultural rather than religious context. Similarly, non-Muslims are respondents who do not define themselves as belonging to the Islamic faith.

7The New York Times reports that the European Union has officially pictured Europe on its Euro currency, including (Christian) Belarus, Moldova, and parts of Russia but not Turkey, which officials admitted was stricken from the map (7).

8For other non-Muslim responses on racial prejudice: 34.4% claimed that racial prejudice is about the same today as it was 5 y ago, 15% claimed that racial prejudice is less today than it was 5 y ago, and 7.6% do not know.
variable and sample selection bias, received special attention, perhaps because at the time of writing, reliance on observational data was thought to be used most often. Laboratory studies received much more attention and compared as “an important and useful means of measuring discrimination in various domains” (8). These studies have identified racial discrimination in the housing market, in car sale negotiations, and in preapplication behavior by lenders, among other economic transactions; yet they can draw only limited inferences about racial discrimination. Because it is not feasible to randomize a tester as to whether he or she presents himself or herself as white or black, it is not possible to claim confidently that if tester “A,” who was black, were white, he or she would have done better. The panel therefore finds great value in combining features of laboratory and audit studies. It reports on Bertrand and Mullainathan’s classic curriculum vitae (CV) experiment, today called a “correspondence test,” in which the researchers created two identical candidates, one low- and another high-skilled, as well as a white-sounding name to a random half of the resumes and a black-sounding name to the other random half. The experiment generated striking results. Applicants with white-sounding names received 50% more callbacks than applicants with black-sounding names. Moreover, the return on quality of CV (i.e., reward for high-skill level) was high for whites but nonexistent for blacks. The randomization of race assignment across otherwise identical resumes made it possible to overcome the missing counterfactual and to draw inferences on the effect of race. Because of the relative methodological success of this mixture of experiment and audit, the report calls for greater research investment in the replication of laboratory experiments “in real-world settings with real-world data” (8).

This paper pushes the agenda set by the National Academy of Science Panel report by addressing the issue of religious discrimination in Europe. It presents data on the relative success of a matched set of second-generation Muslim and non-Muslim immigrants in France to see if, conditioned on human capital, they face equal opportunities in the labor market, our criterion for economic integration. By doing so, it accomplishes two important goals. First, it contributes to a salient topical debate in a Europe struggling to cope with an era of high religious identification and massive Muslim immigration. Second, it addresses and resolves the special methodological challenges involved in measuring religious discrimination. Indeed, identifying religious discrimination has inferential problems quite different from race, inasmuch as the signal of one’s religion can be manipulated in front of an employer or a rental agent in ways that are far more difficult, on average, for race. A bigger problem in identifying a religious impact on employment opportunity is that of the confound that exists between religion and country of origin. If people from Turkey are most likely to be of Muslim heritage, how can we tell if labor market discrimination in Germany is attributable to suspicion of Turks or religious prejudice? Similarly, how would we know if labor market discrimination in the United Kingdom is attributable to bias against South Asians (from India, Pakistan, and Bangladesh) or Muslims? In France, how might we differentiate between prejudice against North Africans (Maghrebis) and prejudice against Muslims?

This paper introduces a solution to such previously intractable measurement problems. The resulting measure, if valid, would tell us if for Muslim immigrants and their descendants in country X, economic integration faces higher barriers than if everything about these migrants were the same except for their religion. Using a correspondence test in the French labor market and a matching method to control for selection on unobservables, the paper examines the relative success of two identical candidates who differ only in their religious affiliation, this paper identifies significant anti-Muslim discrimination, controlling for a factor (i.e., country of origin) that has confounded results in previous work. Its principal finding is that, all other things being equal, a Muslim candidate is 2.5 times less likely to obtain a job interview than is his or her Christian counterpart. A high-n survey of immigrants selected via the same matching strategy (e.g., immigrants from the same ethnic group but divided by religion) provides evidence for a substantial income effect consistent with the expectations derived from the correspondence test.

**Previous Research on Employment Discrimination in France Among Workers from Immigrant Families**

Correspondence testing allows researchers to measure labor market discrimination based on specific characteristics, such as gender, age, race, or religion. A wide range of correspondence testing has been conducted beyond the United States, starting with the experiment of Jowell and Prescott-Clarke (9), which tested whether applicants from Asian backgrounds were discriminated against in the housing market. Afterward, researchers have focused on discrimination against immigrants in the French labor market (10–13). These studies compare the response rate received by a CV with a Maghrebi-sounding first and last name with the response rate received by a CV with a French-sounding first and last name, with all other characteristics being equal across these CVs. Applicants from a Maghrebi background were found to be strongly discriminated against in the French labor market compared with those from an “authentic” French background. For instance, Duguet et al. (11) compute that for every 100 positive responses for the authentic French candidate, the Moroccan candidate received only 35, with the difference statistically significant at the 99% confidence level.

Although these studies reveal substantial discrimination against applicants of Maghrebi background, they do not allow us to isolate the source of this discrimination. Two confounding factors are at stake: do employers discriminate against Maghrebs or against Muslims?

The difficulties in identifying a religious effect as demonstrated in the CV experiments performed so far are not easily resolved, and this is all the more so in surveys. Data on Muslims in France are hard to get. A 1978 law set prohibitions on the collection of data on the racial, religious, or ethnic identity of its citizens, creating challenges for demographic research. For instance, in a leading sociological study of the economic success of different immigrant groups, researchers could not distinguish the children of Algerian migrants into France from the children of the pieds noirs, those of European ancestry who left after the independence in 1962 (14). Although the law was partially relaxed in 2007, this type of data collection has remained stringently limited (15–17).

Equally important for the problem of statistical analysis, those available mass surveys exempt from state oversight rarely (with the Pew Global Attitudes Project poll being the partial exception),...
The survey also contains key in-
Furthermore, these two groups, unlike all other
Moreover, the Muslim effect previously identi-
mation) include enough Muslims to allow for good data analysis. For example, the World Values Survey included in its latest wave for France only 47 reported Muslims out of a sample of 1,001. Given the estimated 6.3% Muslims in “18% Muslims in France, this
t, infection), and mobility beyond the problems faced by non-Muslim immigrant families are attributable to the fact that they are Muslim. For ex-
ample, nearly all immigrants to France from Portugal are Catholic, and nearly all immigrants to France from Algeria are Muslim: once these controls for homeland, statistical models cannot drown out a
reform from a country effect on outcomes. To look at the in-
ferential problem another way, any special problems in economic
advance faced by children of North African immigrants to France may be attributable to their Muslim religion, the fact that they were a
alyzed people from a geographic area where the major state fought an insurgency against French imperialism, or some aspects of their African origin, and income of immigrant respondents. These data were
A rather common impression among the French population
the basic values and beliefs of the publics of more than 80 societies on all six inhabited
The World Values Survey (18) is a global network of social scientists who have surveyed
The Passage à la Retraite des Immigrés (PRI) project (19) was carried out under the
Africans will be presented in future work. This misattribution would mean that the
concern that the French assume all members of these communities are Muslim. Experi-
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concern that the French assume all members of these communities are Muslim. Experi-

**Our Matching Strategy**

Our approach is to use a matching strategy, targeting immigrant groups that are divided religiously, with one portion of them being Muslim and another portion, quite similar to the first culturally, economically, and in education, being Christian. A literature review on matching strategies can be found in the article by Sekhon (20). Comparing the Muslims and Christians in each group allows one to measure the effects of the confounding factors, such as region or country of origin.

Proper matching requires that the two subsets of religiously divided immigrant groups arrive at the host country with rela-
tively equal resources, or else the comparison would be biased. Suppose the target population was the Lebanese population in
North America and the comparison were between Maronite Christians and Sunni Muslims. Because the Maronites start off
earlier and with rich international networks of banking families, a finding that Maronites achieve higher rates of economic suc-
cess would tell us little about comparative social and economic barriers in the West attributable to religion (21). Furthermore, insufficient overlap on initial income on arrival and on length of residence in the United States would lead us to estimate, in a statistical analysis, coefficients that are model-dependent, and we would prefer to limit inferences about the religious effect on immigrant integration.

Careful examination of selected small immigrant groups in France, however, invites opportunities to get a reasonable ap-
proximation of an unbiased comparison. In our case, we identified an estimated 10,000 immigrants in France with family back-
grounds as Joolas and Serers, two distinct ethnolinguistic commu-
Nigeria. This difference is not statistically signi-
ficant 3. Furthermore, there is no statistically significant difference in the distribution of year of arrival in France between these groups.

A rather common impression among the French population (and especially among the French population of Maghrebi origin) is that African Muslims are not “real” Muslims because they know little to no Arabic and interact indiscriminately with African Muslims and African non-Muslims (25). Our choice of a target

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8The World Values Survey (18) is a global network of social scientists who have surveyed the basic values and beliefs of the publics of more than 80 societies on all six inhabited continents. Note that only 497 respondents reported their religion; thus, Muslims rep-
duced 57% of the sample. Still, the sample size of 47 limits the degrees of freedom necessary for careful statistical controls.

9The Passage à la Retraite des Immigrés (PRI) project (19) was carried out under the direction of Claudine Attias-Donfut, in collaboration with Rémi Galliou and Alain Ro-
zenker, with funding from the Agence nationale pour la Cohésion Sociale et l’Égalité des chances (ACSE), Agricarrco, Mutualité Sociale Agricole (MSA), and Caisse des Mines. This PRI project, completed in 2003 by the Caisse Nationale d’Assurance Vieillesse et the Insee, examines the factors and mechanisms that characterize immigrants’ transition into retirement. Respondents were randomly selected from the Insee Census of 1999, from households of all ages and of all householders, and of at least one immigrant born in a country other than France, between the ages of 45 and 70 y at the time of the survey administration. The resulting sample comprises 6,211 respondents, 46.4% of whom are women, with a mean of 55.8 y of age and a median of 55 y of age. It is representative of the immigrant population residing in metropolitan France in 2003, that is, of all foreign-born immigrants in the
selected age range. Although the data remain private, the authors kindly provided the data permitting our analysis in Fig. 1 and Table S1.

Table S2

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According to the “Detroit Arab American Study” (21), Christian Lebanese immigrants arrived in the United States, on average, 10 y earlier than Muslim Lebanese immigrants. Furthermore, 58% of Christians of Lebanese origin were born in the United States com-
pared with a mere 18% of Muslims of Lebanese origin.

We include Manjaks, a closely related linguistic group, with the Joolas (22).

6From the 2002 Senegalese census (23), 25% of the Joolas and 11% of the Serers are Christian, whereas only 5% of the Senegalese population as a whole is Christian (24). It is worth noting that these Christian population shares are rather low. This raises the obvious concern that the French assume all members of these communities are Muslim. Experi-
mental evidence revealing that French hosts tend to misattribute Islam to all black Africans will be presented in future work. This misattribution would mean that the
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images and figures}

This survey was conducted in 2009 under contract by CSA France, in a project in which
David Laitin, Yann Algan, and Vincent Tiberj were the principal investigators. There were

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population less spontaneously associated with Islam in the French collective imagination, however, would lead to an underestimation of anti-Muslim discrimination. Our results should thus be interpreted as a lower bound on the magnitude of anti-Muslim discrimination: levels of discrimination among Maghrébins, the real Muslims who are at the center of public debates about the role of Islam in France, would almost certainly be even higher than those we find for Senegalese Muslims.

Keeping with the matching strategy outlined above to separate out region of origin and religion, our experimental design demanded three comparable CVs, two of them from women with an obvious Senegalese surname (Diouf) but one with a well-known Muslim first name (Khadija) and the other with a well-known Catholic first name (Marie). The third CV was from a woman with a typical French republican name, with no religious connotation (Aurélie Ménard). In addition to differences in the first names, we introduced two signals of religious identity related to the work and volunteer experiences of our fictitious candidates. One of Khadija’s past positions was with Secours Islamique and one of Marie’s was with Secours Catholique, whereas Aurélie worked solely in secular firms. Also, Khadija did voluntary work for the Scouts Musulmans de France, whereas Marie did the same for the comparable Catholic organization, Scouts et Guides de France.

The remaining qualifications and backgrounds were identical for all three applicants: all were single French citizens, 24 y of age, and had 2 y of postsecondary education and 3 y of experience on the job market in either secretarial or accounting sectors. We deliberately chose occupations that entailed interaction with clients or company partners, such that recruiters would be paying greater attention to the expected reactions of these potential clients to their employees.

The non-governmental organization, Inter Service Migrants - Centre d’Observation et de Recherche sur l’Urban et ses Mutations (ISM-CORUM), collected job announcements nationwide for both types of occupations published on the Pôle Emploi Web site (the French national employment agency) during the spring of 2009. For each pair of job announcements matched by region, sector, company size, and position, ISM-CORUM administrators sent the Aurélie/Khadija candidate pair to one and the Aurélie/Marie candidate pair to the other. Aurélie Ménard was used principally as the “reference” candidate: her CV allowed us to avoid sending Marie and Khadija’s applications for the same position. Because these applications were identical in both form and content (except for the religious identity signals), sending both CVs would have inevitably awakened suspicion among recruiters.

Fig. 2 summarizes our results. We first observe that the reference candidate, Aurélie Ménard, received the same positive response rate from employers who received Marie’s CV and from employers who received Khadija’s CV (27% and 25% respectively, with no statistically significant difference between the two). This indicates that the companies receiving Marie’s CV were, on average, similar to those receiving Khadija’s CV, thus lending greater confidence to our comparison of Marie and Khadija’s positive response rates.

Fig. 1. Impact of religion and geographic origin on a household's yearly income. This figure is based on results in Table S1. The dependent variable is an ordinal variable ranging from the value “0” if the yearly household income is null to “14” if the yearly household income is greater than 68,000 Euros. The independent variable is whether the respondent is “Muslim,” a binary variable, which takes the value “1” if the head of household is Muslim and “0” otherwise. In model 1, Muslim is significant at the $P < 0.01$ significance level on a two-tailed test. It is not significant by conventional standards in model 2 and in model 3. As for controls, “Female” is a binary variable, which takes the value “1” if the head of household is female and “0” if the head of household is male. “Age” is a continuous variable equal to the actual age of the head of household. “Education” is an ordinal variable ranging from the value “1” for no schooling to “6” for postsecondary education. “Jewish” is a binary variable, which takes the value “1” if the head of household is Jewish and “0” otherwise. “Asian” is a binary variable, which takes the value “1” if the head of household is Buddhist, Hindu, Shintoist, or Confucianist and “0” otherwise. “Atheist” is a binary variable, which takes the value “1” if the head of household is an atheist and “0” otherwise. The reference group is “Christian,” a binary variable, which takes the value “1” if the head of household is Christian and “0” otherwise. “Yrs France” is a continuous variable equal to the number of years that the head of household has lived in France. SEs in the original probit model are robust. In the figure, the dot represents the regression coefficient, the horizontal line marks the 95% confidence level, and the two vertical lines mark the 90% confidence level. F.E. refers to fixed effects.


*Exemplars of the three CVs are available in “Les Français musulmans sont-ils discriminés dans leur propre pays?” ([http://frenchamerican.org/cms/webfm_send/164](http://frenchamerican.org/cms/webfm_send/164)).
The difference between Marie and Khadija’s positive response rates is striking. Although Marie Diouf received a positive response rate of 21%, Khadija Diouf received a positive response rate of only 8% (Fig. 2A). This 13-percentage point difference is statistically significant at the 99% confidence level and indicates that for every 100 positive responses received by Marie Diouf, Khadija Diouf received only 38 positive responses, or 2.5 times less.\footnote{We code a response as positive when the candidate receives a call or an e-mail back from the employer inviting her for an interview, and we code a response as negative when a candidate receives no response from the employer or when the employer calls her back to turn her down. Our focus on callbacks as the outcome of interest may lead us to underestimate the extent of anti-Muslim discrimination in this context, if we believe that French companies face pressure to demonstrate that they are not discriminating against minorities: Muslims may receive callbacks so that the firm appears not to discriminate against them. This bias, if true, would work against finding an anti-Muslim effect, thus reinforcing our confidence that our result represents a lower bound on the extent of anti-Muslim discrimination.} Furthermore, these results hold in a multivariate regression controlling for regional differences, employment sector, company size, occupation, contract type, and whether or not the CV included a photograph.\footnote{The ordered probit estimation is not shown but is available from the authors.} Notably, the first 214 applications we sent had no pictures of the candidates. The next 61 included a photograph. The results with and without the photographs were not statistically different from each other. This experiment thus provides a clear indication that in at least one sector of the French labor market and controlling for the candidate’s ethnicity among other characteristics, there is significant religious discrimination.

**Consequences of Religious Discrimination**

Does the discrimination experienced by Muslim candidates in the French labor market correspond to an economic disadvantage on the part of Muslim immigrants relative to their Christian counterparts? To answer this question, we rely on the Laitin/CSA survey of 511 Senegalese Christians and Senegalese Muslims living in France in 2009. We previously established that these two groups immigrated into France in a single wave during the 1970s. To ensure a fair comparison, we must also ask whether the first immigrants of respondent families to France started out on equal footing. The only critical difference on the arrival in France of Senegalese Muslims and Senegalese Christians relates to education.\footnote{Data from the 2002 Senegalese census (23), which will be reported on in a future paper, reveal precisely the same degree of educational difference between the subset of Muslim and Christian Joolas and Serers who have a relative living in Europe. A total of 57% of Muslim respondents who had a relative in Europe had only a primary or middle school education, whereas 42% had higher levels of education. For Christians, the figures are 53% for only primary or middle school education and 47% for more advanced levels of education. These differences are significant at the 99% level but are not radically different substantively. These data add confidence that the Laitin/CSA survey was representative of the two ethnonymic migrant groups in France.} Senegalese Christians were slightly more educated than Muslims: whereas the probability of having a secondary or a post-secondary education is 36% among Senegalese Christians, it is 27% among Senegalese Muslims (a difference that is significant at the 95% confidence level).\footnote{The ordered probit estimation is not shown but is available from the authors.} These results are consistent with ethnographic accounts of Senegalese Christians’ access to better education. Senegalese Christians were slightly more educated than Muslims: whereas the probability of having a secondary or a post-secondary education is 36% among Senegalese Christians, it is 27% among Senegalese Muslims (a difference that is significant at the 95% confidence level). W} These results are significant at the 95% confidence level and indicate that in at least one sector of the French labor market and controlling for the candidate’s ethnicity among other characteristics, there is significant religious discrimination.

**Fig. 2.** (A) Substantive effect of Khadija Diouf vs. Marie Diouf. (B) Statistical significance of the Khadija Diouf effect. This figure is based on results in Table S3 from Dataset S1. In B, the dot represents the difference in response rates, the horizontal line marks the 95% confidence level, and the two vertical lines mark the 90% confidence level.
quality education through their religious network (i.e., Catholic schools). A proper matching strategy between Senegalese Christians and Senegalese Muslims thus requires that we control for the first migrant’s level of education, which, given their high overlap in educational achievement, is statistically feasible.

We can now ask, controlling notably for the educational level of the first migrant, whether Senegalese Christians have been more successful in breaking through social and economic glass ceilings in France than have Senegalese Muslims. With this procedure, we are confident that any differences found between the two groups are the result of some aspect of their religious upbringing or practice, because geographic origin does not vary and initial human capital is controlled for.\(^8\)

We estimate the determinants of immigrant income in France today via an ordered probit regression with robust SEs, with the current monthly household income as the dependent variable. The explanatory variables are the religious tradition of the household, the head of household’s gender and educational level, and the educational level of the head of household’s ancestor who was the first to come to France. (Recall that there is no need for a second model with country fixed effects because all respondents are from Senegal. This is the key to our matching strategy.) As illustrated in Table S4, we find that households with a Christian religious tradition are significantly richer than households with a Muslim religious tradition (significant at the 99% level).\(^9\) More precisely, when we estimate marginal effects and hold all other explanatory variables in the model at their predicted sample mean, the results indicate that Muslim households make, on average, 400 Euros less than Christian households each month, the equivalent of 15% of the average monthly income of 2,758 Euros; the median annual household income in 2007 was 27,630 Euros (or an average monthly income of 2,302 Euros) (26).

Some big questions remain unanswered, however. We still have not identified the mechanisms by which Muslims face relative economic failure. Consider the results on job discrimination. They may reflect a “taste” that français de souche (rooted French), those with four grandparents born within the French hexagon, have for fellow Christians. They may reflect instead an ability of Senegalese Christians to communicate trust and desire to succeed better than Senegalese Muslims, who lack comparable civic connections (e.g., through the Church) with French people. Alternatively, they may reflect cultural practices of Muslims that signal to French employers a lower commitment to the job.

To address these core questions on mechanisms and relying on the same matching strategy, we have conducted a range of ethnographic interviews and experimental game-theory interventions focusing on the behavior of Senegalese Christians and Senegalese Muslims toward the French and vice versa. Our

\[^8\]The average annual household income in 2007 was 33,100 Euros (or an average monthly income of 2,758 Euros); the median annual household income in 2007 was 27,630 Euros (or a median monthly income of 2,302 Euros) (26).

\[^9\]In Table S4, the variables “Gender of head of household” and “Educational level of head of household” introduce a number of missing observations. When we run the regression with only “Christian household” and “Educational level of first migrant” on the right-hand side, our observations increase to 372 and the effect of Christian household is statistically significant (or a median monthly income of 2,302 Euros) (26).
subsequent papers for this project will assess the explanatory power of these different mechanisms. Future research ought also to compare matched populations in other European states to see if state policies (e.g., multiculturalism vs. republicanism) differ in their success in fostering the integration of Muslim populations.

In this paper, relying on models that combine the controlled conditions of an experiment with a large-N survey, we have established a clear, albeit uncomfortable, finding. All other things being equal, Muslims have faced barriers to economic integration in France that are higher than what they would have been if everything about them were the same save for their religion.

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