

Analysis of “Islamophobia and Media Portrayals of Muslim Women”

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Abstract

Rochelle Terman uses NLP to analyze recent...

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Acknowledgments

Appendix

Table 1: Probit Analysis of U.S. News Coverage of Women Abroad

Probit Analysis of U.S. News Coverage about Women Abroad

	Repocountry.yeared (Binary)		
	Model 1	Model 2	Model 3
Country Repocountry.years	0.002*** (0.0003)	0.002*** (0.0003)	0.002*** (0.0003)
Women's Rights Index	0.110 (0.065)	0.117 (0.063)	0.138* (0.068)
Muslim Majority	0.553*** (0.166)		
MENA		0.705*** (0.186)	
Muslim Percentage			0.657*** (0.184)
Democracy	0.008 (0.005)	0.013** (0.005)	0.009 (0.005)
Instability	-0.00001 (0.00002)	-0.00001 (0.00002)	-0.00001 (0.00002)
Population	0.438*** (0.023)	0.436*** (0.023)	0.431*** (0.023)
GDP per capita	0.144*** (0.024)	0.129*** (0.026)	0.141*** (0.025)
Women's Rights x Muslim Majority	-0.466*** (0.128)		
Women's Rights x MENA		-0.475** (0.152)	
Women's Rights x Muslim Percentage			-0.496*** (0.138)
Constant	-9.262*** (0.444)	-9.162*** (0.447)	-9.197*** (0.443)
N	3934	3950	3934
Log Likelihood	-1671.856	-1677.103	-1671.785
AIC	3361.712	3372.205	3361.570

***p < .001; **p < .01; *p < .05

Robust standard errors clustered on country appear in parentheses.

Table 2: Negative Binomial Analysis of U.S. News Coverage of Women Abroad

Negative Binomial Analysis of U.S. News Coverage about Women Abroad

	Reported (Count)		
	Model 1	Model 2	Model 3
Country Reports	0.002*** (0.0001)	0.002*** (0.0001)	0.002*** (0.0001)
Women's Rights Index	0.206* (0.102)	0.248* (0.097)	0.249* (0.111)
Muslim Majority	1.339*** (0.373)		
MENA		1.713*** (0.389)	
Muslim Percentage			1.469*** (0.412)
Democracy	0.003 (0.011)	0.013 (0.011)	0.004 (0.011)
Instability	-0.00002 (0.00002)	-0.00003 (0.00002)	-0.00002 (0.00002)
Population	0.640*** (0.024)	0.639*** (0.024)	0.631*** (0.024)
GDP per capita	0.226*** (0.041)	0.189*** (0.042)	0.226*** (0.042)
Women's Rights x Muslim Majority	-1.088*** (0.246)		
Women's Rights x MENA		-1.157*** (0.269)	
Women's Rights x Muslim Percentage			-1.120*** (0.266)
Constant	-13.627*** (0.589)	-13.477*** (0.573)	-13.567*** (0.599)
N	3934	3950	3934
Log Likelihood	-3591.307	-3590.501	-3592.008
θ	0.837*** (0.056)	0.852*** (0.058)	0.836*** (0.056)
AIC	7200.614	7199.003	7202.015

***p < .001; **p < .01; *p < .05

Robust standard errors clustered on country appear in parentheses.

Table 3: Summary of Topic Labels

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	Labels	Probability	FR
1	Business	said, work, compani, year, percent, job, busi, worker, million, market	com
2	Sports	team, women, game, play, world, said, olymp, sport, player, first	gan
3	Public Health	cancer, health, women, doctor, said, hospit, aid, breast, clinic, year	can
4	Fashion	black, dress, one, cloth, wear, design, street, fashion, citi, white	rest
5	Arts	film, book, show, art, work, stori, life, one, play, write	film
6	United Nations	women, said, will, right, confer, organ, group, world, issu, govern	con
7	Sexual Assault	said, polic, rape, case, report, sexual, violenc, victim, court, crime	rap
8	Combat	said, war, militari, kill, attack, soldier, women, forc, two, combat	sold
9	Women's Rights and Gender Equality	women, men, femal, law, right, chang, male, equal, mani, issu	equ
10	Politics	polit, minist, govern, elect, parti, presid, said, vote, leader, prime	elec
11	Profiles	year, mrs, work, school, first, mother, said, student, husband, children	mrs
12	Human Interest	said, like, say, one, peopl, just, want, get, can, think	kno
13	Marriage & Family	famili, girl, women, husband, said, children, villag, live, marri, marriag	vill
14	Religion	said, islam, religi, right, church, ban, law, countri, women, practic	isla
15	Reproductive & Personal Health	abort, studi, women, said, research, use, percent, report, birth, rate	abo

Table 4: Two-Step Analysis of Rights Focus in U.S. News Coverage of Women Abroad

Two-Step Analysis of Rights Focus in U.S. News Coverage about Women Abroad

	Rights Focus		
	Model 1	Model 2	Model 3
Intercept	0.094*** (0.008)	0.093*** (0.008)	0.089*** (0.009)
Women's Rights Index	-0.014** (0.005)	-0.015** (0.005)	-0.013** (0.005)
Muslim Majority	0.036*** (0.007)		
MENA		0.051*** (0.008)	
Muslim Percentage			0.042*** (0.008)
Democracy	-0.0004 (0.0004)	0.0002 (0.0004)	-0.0004 (0.0004)
Physical Integrity Rights	0.005*** (0.001)	0.004*** (0.001)	0.005*** (0.001)
IMR1	-0.016*** (0.004)	-0.012** (0.004)	-0.016*** (0.004)
N	1039	1040	1039
R-squared	0.580	0.585	0.581
Adj. R-squared	0.578	0.582	0.579
Residual Std. Error	0.076 (df = 1033)	0.075 (df = 1034)	0.076 (df = 1033)
F Statistic	238.113*** (df = 6; 1033)	242.629*** (df = 6; 1034)	238.835*** (df = 6; 1033)

***p < .001; **p < .01; *p < .05

Robust standard errors clustered on country appear in parentheses.

Figure 2: Marginal Effects of Women’s Rights Index on Reported (Count)

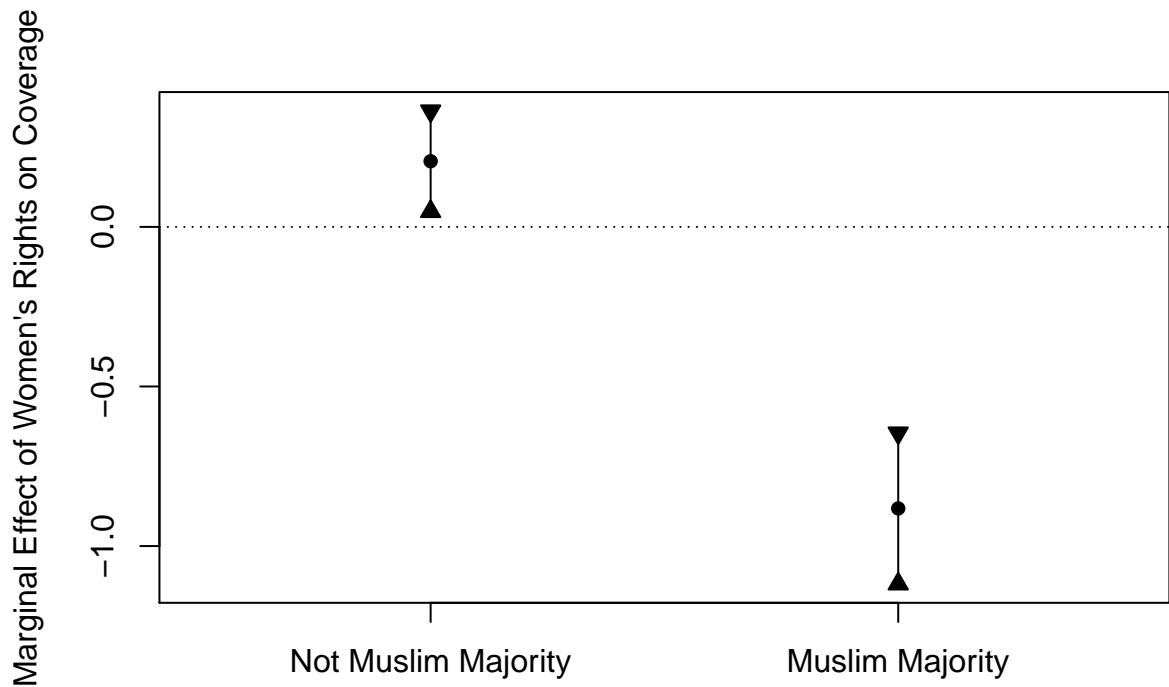


Figure 3: Summary of Topic Prevalence

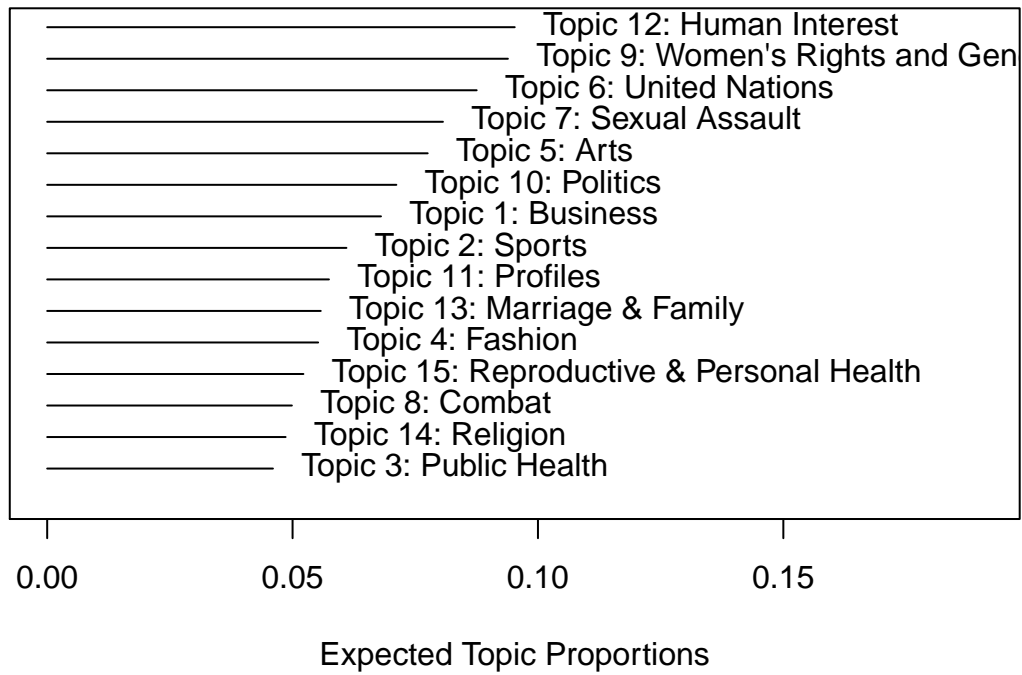


Figure 4: Expected Document Proportions for Four Topics

