

Query	Output Bias (TOB)	Input Bias (TIB)	Ranking Bias (TRB)
Queries Related to Democratic Candidates			
Hillary Clinton	0.21	0.03	0.18
Bernie Sanders	0.71	0.55	0.16
Martin O'Malley	0.64	0.57	0.07
Average	0.52	0.38	0.14
Queries Related to Republican Candidates			
Donald Trump	0.29	0.19	0.10
Ted Cruz	-0.48	-0.11	-0.37
Marco Rubio	-0.41	-0.12	-0.29
Ben Carson	0.46	0.20	0.26
Chris Christie	-0.14	0.27	-0.41
Jeb Bush	-0.31	0.09	-0.40
Rand Paul	-0.37	-0.18	-0.19
Carly Fiorina	0.16	0.38	-0.22
John Kasich	-0.09	-0.13	0.04
Mike Huckabee	0.30	0.12	0.18
Rick Santorum	-0.04	0.18	-0.22
Lindsey Graham	-0.45	0.07	-0.52
George Pataki	-0.17	0.09	-0.26
Jim Gilmore	-0.35	-0.11	-0.24
Average	-0.11	0.07	-0.18
Queries related to democratic debate			
democratic debate	0.43	0.38	0.05
dem debate	0.52	0.29	0.23
#democraticdebate	0.28	0.19	0.07
#demdebate	0.57	0.56	0.01
Average	0.45	0.35	0.10
Queries related to republican debate			
republican debate	0.53	0.27	0.26
rep debate	0.31	0.40	-0.09
#republicandebate	0.39	0.34	0.05
#gopdebate	0.04	0.10	-0.06
Average	0.32	0.28	0.04